

freebsd-src-1 Scan Report

Project Name freebsd-src-1

Scan Start Saturday, June 22, 2024 1:59:19 AM

Preset Checkmarx Default

Scan Time 03h:32m:22s Lines Of Code Scanned 297970 Files Scanned 111

Report Creation Time Saturday, June 22, 2024 9:04:43 AM

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=60087

Team CxServer
Checkmarx Version 8.7.0
Scan Type Full

Source Origin LocalPath

Density 6/1000 (Vulnerabilities/LOC)

Visibility Public

Filter Settings

Severity

Included: High, Medium, Low, Information

Excluded: None

Result State

Included: Confirmed, Not Exploitable, To Verify, Urgent, Proposed Not Exploitable

Excluded: None

Assigned to

Included: All

Categories

Included:

Uncategorized All
Custom All
PCI DSS v3.2 All
OWASP Top 10 2013 All
FISMA 2014 All
NIST SP 800-53 All
OWASP Top 10 2017 All

OWASP Mobile Top 10 All

2016

Excluded:

Uncategorized None
Custom None
PCI DSS v3.2 None
OWASP Top 10 2013 None
FISMA 2014 None



NIST SP 800-53 None

OWASP Top 10 2017 None

OWASP Mobile Top 10 None

2016

Results Limit

Results limit per query was set to 50

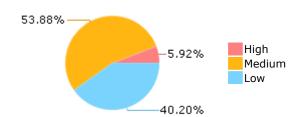
Selected Queries

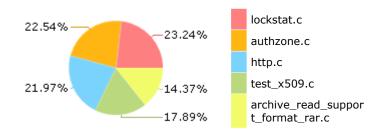
Selected queries are listed in Result Summary



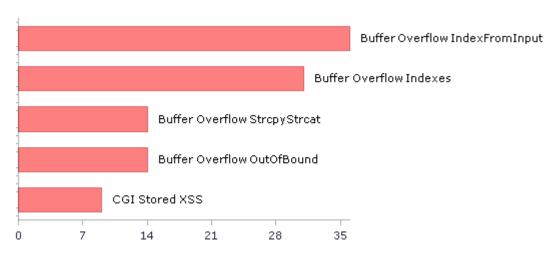
Result Summary

Most Vulnerable Files





Top 5 Vulnerabilities





Scan Summary - OWASP Top 10 2017 Further details and elaboration about vulnerabilities and risks can be found at: OWASP Top 10 2017

Category	Threat Agent	Exploitability	Weakness Prevalence	Weakness Detectability	Technical Impact	Business Impact	Issues Found	Best Fix Locations
A1-Injection	App. Specific	EASY	COMMON	EASY	SEVERE	App. Specific	550	321
A2-Broken Authentication	App. Specific	EASY	COMMON	AVERAGE	SEVERE	App. Specific	173	173
A3-Sensitive Data Exposure	App. Specific	AVERAGE	WIDESPREAD	AVERAGE	SEVERE	App. Specific	28	17
A4-XML External Entities (XXE)	App. Specific	AVERAGE	COMMON	EASY	SEVERE	App. Specific	0	0
A5-Broken Access Control*	App. Specific	AVERAGE	COMMON	AVERAGE	SEVERE	App. Specific	11	3
A6-Security Misconfiguration	App. Specific	EASY	WIDESPREAD	EASY	MODERATE	App. Specific	0	0
A7-Cross-Site Scripting (XSS)	App. Specific	EASY	WIDESPREAD	EASY	MODERATE	App. Specific	9	3
A8-Insecure Deserialization	App. Specific	DIFFICULT	COMMON	AVERAGE	SEVERE	App. Specific	0	0
A9-Using Components with Known Vulnerabilities*	App. Specific	AVERAGE	WIDESPREAD	AVERAGE	MODERATE	App. Specific	396	396
A10-Insufficient Logging & Monitoring	App. Specific	AVERAGE	WIDESPREAD	DIFFICULT	MODERATE	App. Specific	0	0

^{*} Project scan results do not include all relevant queries. Presets and\or Filters should be changed to include all relevant standard queries.



Scan Summary - OWASP Top 10 2013 Further details and elaboration about vulnerabilities and risks can be found at: OWASP Top 10 2013

Category	Threat Agent	Attack Vectors	Weakness Prevalence	Weakness Detectability	Technical Impact	Business Impact	Issues Found	Best Fix Locations
A1-Injection	EXTERNAL, INTERNAL, ADMIN USERS	EASY	COMMON	AVERAGE	SEVERE	ALL DATA	1	1
A2-Broken Authentication and Session Management	EXTERNAL, INTERNAL USERS	AVERAGE	WIDESPREAD	AVERAGE	SEVERE	AFFECTED DATA AND FUNCTIONS	0	0
A3-Cross-Site Scripting (XSS)	EXTERNAL, INTERNAL, ADMIN USERS	AVERAGE	VERY WIDESPREAD	EASY	MODERATE	AFFECTED DATA AND SYSTEM	9	3
A4-Insecure Direct Object References	SYSTEM USERS	EASY	COMMON	EASY	MODERATE	EXPOSED DATA	11	3
A5-Security Misconfiguration	EXTERNAL, INTERNAL, ADMIN USERS	EASY	COMMON	EASY	MODERATE	ALL DATA AND SYSTEM	0	0
A6-Sensitive Data Exposure	EXTERNAL, INTERNAL, ADMIN USERS, USERS BROWSERS	DIFFICULT	UNCOMMON	AVERAGE	SEVERE	EXPOSED DATA	3	3
A7-Missing Function Level Access Control*	EXTERNAL, INTERNAL USERS	EASY	COMMON	AVERAGE	MODERATE	EXPOSED DATA AND FUNCTIONS	0	0
A8-Cross-Site Request Forgery (CSRF)	USERS BROWSERS	AVERAGE	COMMON	EASY	MODERATE	AFFECTED DATA AND FUNCTIONS	0	0
A9-Using Components with Known Vulnerabilities*	EXTERNAL USERS, AUTOMATED TOOLS	AVERAGE	WIDESPREAD	DIFFICULT	MODERATE	AFFECTED DATA AND FUNCTIONS	396	396
A10-Unvalidated Redirects and Forwards	USERS BROWSERS	AVERAGE	WIDESPREAD	DIFFICULT	MODERATE	AFFECTED DATA AND FUNCTIONS	0	0

^{*} Project scan results do not include all relevant queries. Presets and\or Filters should be changed to include all relevant standard queries.



Scan Summary - PCI DSS v3.2

Category	Issues Found	Best Fix Locations
PCI DSS (3.2) - 6.5.1 - Injection flaws - particularly SQL injection	9	9
PCI DSS (3.2) - 6.5.2 - Buffer overflows	328	268
PCI DSS (3.2) - 6.5.3 - Insecure cryptographic storage	0	0
PCI DSS (3.2) - 6.5.4 - Insecure communications	0	0
PCI DSS (3.2) - 6.5.5 - Improper error handling*	0	0
PCI DSS (3.2) - 6.5.7 - Cross-site scripting (XSS)	9	3
PCI DSS (3.2) - 6.5.8 - Improper access control	0	0
PCI DSS (3.2) - 6.5.9 - Cross-site request forgery	0	0
PCI DSS (3.2) - 6.5.10 - Broken authentication and session management	0	0

^{*} Project scan results do not include all relevant queries. Presets and\or Filters should be changed to include all relevant standard queries.



Scan Summary - FISMA 2014

Category	Description	Issues Found	Best Fix Locations
Access Control	Organizations must limit information system access to authorized users, processes acting on behalf of authorized users, or devices (including other information systems) and to the types of transactions and functions that authorized users are permitted to exercise.	12	12
Audit And Accountability*	Organizations must: (i) create, protect, and retain information system audit records to the extent needed to enable the monitoring, analysis, investigation, and reporting of unlawful, unauthorized, or inappropriate information system activity; and (ii) ensure that the actions of individual information system users can be uniquely traced to those users so they can be held accountable for their actions.	1	1
Configuration Management	Organizations must: (i) establish and maintain baseline configurations and inventories of organizational information systems (including hardware, software, firmware, and documentation) throughout the respective system development life cycles; and (ii) establish and enforce security configuration settings for information technology products employed in organizational information systems.	31	20
Identification And Authentication*	Organizations must identify information system users, processes acting on behalf of users, or devices and authenticate (or verify) the identities of those users, processes, or devices, as a prerequisite to allowing access to organizational information systems.	179	173
Media Protection	Organizations must: (i) protect information system media, both paper and digital; (ii) limit access to information on information system media to authorized users; and (iii) sanitize or destroy information system media before disposal or release for reuse.	9	9
System And Communications Protection	Organizations must: (i) monitor, control, and protect organizational communications (i.e., information transmitted or received by organizational information systems) at the external boundaries and key internal boundaries of the information systems; and (ii) employ architectural designs, software development techniques, and systems engineering principles that promote effective information security within organizational information systems.	0	0
System And Information Integrity	Organizations must: (i) identify, report, and correct information and information system flaws in a timely manner; (ii) provide protection from malicious code at appropriate locations within organizational information systems; and (iii) monitor information system security alerts and advisories and take appropriate actions in response.	31	25

^{*} Project scan results do not include all relevant queries. Presets and\or Filters should be changed to include all relevant standard queries.



Scan Summary - NIST SP 800-53

Category	Issues Found	Best Fix Locations
AC-12 Session Termination (P2)	0	0
AC-3 Access Enforcement (P1)	189	189
AC-4 Information Flow Enforcement (P1)	0	0
AC-6 Least Privilege (P1)	0	0
AU-9 Protection of Audit Information (P1)	0	0
CM-6 Configuration Settings (P2)	0	0
IA-5 Authenticator Management (P1)	0	0
IA-6 Authenticator Feedback (P2)	0	0
IA-8 Identification and Authentication (Non-Organizational Users) (P1)	0	0
SC-12 Cryptographic Key Establishment and Management (P1)	0	0
SC-13 Cryptographic Protection (P1)	15	4
SC-17 Public Key Infrastructure Certificates (P1)	0	0
SC-18 Mobile Code (P2)	0	0
SC-23 Session Authenticity (P1)*	16	10
SC-28 Protection of Information at Rest (P1)	8	8
SC-4 Information in Shared Resources (P1)	5	5
SC-5 Denial of Service Protection (P1)*	347	162
SC-8 Transmission Confidentiality and Integrity (P1)	0	0
SI-10 Information Input Validation (P1)*	236	168
SI-11 Error Handling (P2)*	122	122
SI-15 Information Output Filtering (P0)	9	3
SI-16 Memory Protection (P1)	63	13

^{*} Project scan results do not include all relevant queries. Presets and\or Filters should be changed to include all relevant standard queries.



Scan Summary - OWASP Mobile Top 10 2016

Category	Description	Issues Found	Best Fix Locations
M1-Improper Platform Usage	This category covers misuse of a platform feature or failure to use platform security controls. It might include Android intents, platform permissions, misuse of TouchID, the Keychain, or some other security control that is part of the mobile operating system. There are several ways that mobile apps can experience this risk.	0	0
M2-Insecure Data Storage	This category covers insecure data storage and unintended data leakage.	0	0
M3-Insecure Communication	This category covers poor handshaking, incorrect SSL versions, weak negotiation, cleartext communication of sensitive assets, etc.	0	0
M4-Insecure Authentication	This category captures notions of authenticating the end user or bad session management. This can include: -Failing to identify the user at all when that should be required -Failure to maintain the user's identity when it is required -Weaknesses in session management	0	0
M5-Insufficient Cryptography	The code applies cryptography to a sensitive information asset. However, the cryptography is insufficient in some way. Note that anything and everything related to TLS or SSL goes in M3. Also, if the app fails to use cryptography at all when it should, that probably belongs in M2. This category is for issues where cryptography was attempted, but it wasnt done correctly.	0	0
M6-Insecure Authorization	This is a category to capture any failures in authorization (e.g., authorization decisions in the client side, forced browsing, etc.). It is distinct from authentication issues (e.g., device enrolment, user identification, etc.). If the app does not authenticate users at all in a situation where it should (e.g., granting anonymous access to some resource or service when authenticated and authorized access is required), then that is an authentication failure not an authorization failure.	0	0
M7-Client Code Quality	This category is the catch-all for code-level implementation problems in the mobile client. That's distinct from server-side coding mistakes. This would capture things like buffer overflows, format string vulnerabilities, and various other codelevel mistakes where the solution is to rewrite some code that's running on the mobile device.	0	0
M8-Code Tampering	This category covers binary patching, local resource modification, method hooking, method swizzling, and dynamic memory modification. Once the application is delivered to the mobile device, the code and data resources are resident there. An attacker can either directly modify the code, change the contents of memory dynamically, change or replace the system APIs that the application uses, or	0	0



	modify the application's data and resources. This can provide the attacker a direct method of subverting the intended use of the software for personal or monetary gain.		
M9-Reverse Engineering	This category includes analysis of the final core binary to determine its source code, libraries, algorithms, and other assets. Software such as IDA Pro, Hopper, otool, and other binary inspection tools give the attacker insight into the inner workings of the application. This may be used to exploit other nascent vulnerabilities in the application, as well as revealing information about back end servers, cryptographic constants and ciphers, and intellectual property.	0	0
M10-Extraneous Functionality	Often, developers include hidden backdoor functionality or other internal development security controls that are not intended to be released into a production environment. For example, a developer may accidentally include a password as a comment in a hybrid app. Another example includes disabling of 2-factor authentication during testing.	0	0



Scan Summary - Custom

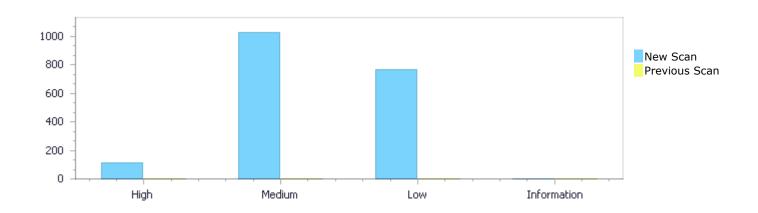
Category	Issues Found	Best Fix Locations
Must audit	0	0
Check	0	0
Optional	0	0



Results Distribution By Status First scan of the project

	High	Medium	Low	Information	Total
New Issues	113	1,028	767	0	1,908
Recurrent Issues	0	0	0	0	0
Total	113	1,028	767	0	1,908

Fixed Issues	0	0	0	0	0



Results Distribution By State

	High	Medium	Low	Information	Total
Confirmed	0	0	0	0	0
Not Exploitable	0	0	0	0	0
To Verify	113	1,028	767	0	1,908
Urgent	0	0	0	0	0
Proposed Not Exploitable	0	0	0	0	0
Total	113	1,028	767	0	1,908

Result Summary

Vulnerability Type	Occurrences	Severity
Buffer Overflow IndexFromInput	36	High
Buffer Overflow Indexes	31	High
Buffer Overflow OutOfBound	14	High
Buffer Overflow StrcpyStrcat	14	High
CGI Stored XSS	9	High

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Buffer Overflow boundedcpy	4	High
Buffer Overflow LongString	4	High
Command Injection	1	High
Dangerous Functions	367	Medium
Buffer Overflow boundcpy WrongSizeParam	211	Medium
Memory Leak	90	Medium
Use of Zero Initialized Pointer	81	Medium
MemoryFree on StackVariable	68	Medium
Wrong Size t Allocation	63	Medium
Double Free	55	Medium
Integer Overflow	17	Medium
Inadequate Encryption Strength	15	Medium
Char Overflow	13	Medium
Divide By Zero	11	Medium
Path Traversal	11	Medium
Stored Buffer Overflow boundcpy	9	Medium
Long Overflow	4	Medium
Stored Buffer Overflow cpycat	3	Medium
Use of Uninitialized Pointer	3	Medium
Wrong Memory Allocation	3	Medium
Buffer Overflow AddressOfLocalVarReturned	2	Medium
Heap Inspection	2	Medium
NULL Pointer Dereference	170	Low
Improper Resource Access Authorization	161	Low
Unchecked Return Value	122	Low
Unchecked Array Index	76	Low
Use of Sizeof On a Pointer Type	36	Low
Sizeof Pointer Argument	30	Low
Potential Precision Problem	29	Low
Use of Obsolete Functions	29	Low
TOCTOU TOCTOU	22	Low
Exposure of System Data to Unauthorized Control		LOVV
Sphere	16	Low
Reliance on DNS Lookups in a Decision	16	Low
Inconsistent Implementations	13	Low
Heuristic Buffer Overflow malloc	12	Low
Incorrect Permission Assignment For Critical Resources	12	Low
Potential Off by One Error in Loops	8	Low
Use of Insufficiently Random Values	7	Low
Heuristic 2nd Order Buffer Overflow malloc	2	Low
Insecure Temporary File	2	Low
	1	Low
Arithmanic (Ingration (In Roolean		
Arithmenic Operation On Boolean Information Exposure Through Comments	1	OW
Information Exposure Through Comments Leaving Temporary Files	1 1	Low

10 Most Vulnerable Files

High and Medium Vulnerabilities

File Name	Issues Found
freebsd-src-1/http.c	133



freebsd-src-1/authzone.c	114
freebsd-src-1/archive_read_support_format_rar.c	101
freebsd-src-1/pmcstudy.c	65
freebsd-src-1/lockstat.c	63
freebsd-src-1/test_x509.c	56
freebsd-src-1/mrsas.c	54
freebsd-src-1/dp_rx.c	43
freebsd-src-1/name.c	38
freebsd-src-1/sctp_sys_calls.c	32



Scan Results Details

Buffer Overflow IndexFromInput

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow IndexFromInput Version:1

Categories

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow IndexFromInput\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=54

Status New

The size of the buffer used by show_struct in first_word, at line 1471 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argv, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	1486
Object	argv	first_word

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

A

File Name freebsd-src-1/cxgbetool.c

Method show_struct(const uint32_t *words, int nwords, const struct field_desc *fd)

....
1486. data = (words[first_word] >> shift) |

Buffer Overflow IndexFromInput\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=55

Status New



The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	991
Object	getenv	BinaryExpr

```
Code Snippet
File Name freebsd-src-1/http.c
Method http_connect(struct url *URL, struct url *purl, const char *flags)

....
1423.
NULL &&

File Name freebsd-src-1/http.c
Method http_base64(const char *src)

....
991. dst[3] = base64[(t >> 0) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=56

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to getenv, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	991
Object	getenv	BinaryExpr

```
Code Snippet
```

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

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```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....

991. dst[3] = base64[(t >> 0) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=57

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	991
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

991. dst[3] = base64[(t >> 0) & 0x3f];

Buffer Overflow IndexFromInput\Path 5:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=58

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

ource I	Destination
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File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	990
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

990. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow IndexFromInput\Path 6:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=59

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	990
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)



```
dst[2] = base64[(t >> 6) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 7:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=60

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	990
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

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File Name freebsd-src-1/http.c

Method http_base64(const char *src)

990. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow IndexFromInput\Path 8:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=61

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	989



Object getenv BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
....
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) !=
NULL &&
```

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
989. dst[1] = base64[(t >> 12) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 9:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=62

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	989
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

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File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
dst[1] = base64[(t >> 12) & 0x3f];
```



Buffer Overflow IndexFromInput\Path 10:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=63

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	989
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

989. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow IndexFromInput\Path 11:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=64

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	988
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c



Buffer Overflow IndexFromInput\Path 12:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=65

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

1_ 1 .	_	
	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	988
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

988. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow IndexFromInput\Path 13:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



	87&pathid=66
Status	New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	988
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

₩.

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

988. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow IndexFromInput\Path 14:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=67

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1001
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)



```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

dst[2] = base64[(t >> 6) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 15:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=68

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to getenv, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

		-
	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1001
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... 1001. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow IndexFromInput\Path 16:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=69



Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1001
Object	getenv	BinaryExpr

```
Code Snippet
```

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&
```

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
....
1001. dst[2] = base64[(t >> 6) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 17:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=70

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1000
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
....
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) !=
NULL &&
```



```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....

1000. dst[1] = base64[(t >> 12) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 18:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=71

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1000
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1000. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow IndexFromInput\Path 19:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=72

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.



	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1000
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

₩.

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... 1000. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow IndexFromInput\Path 20:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=73

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	999
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)



```
dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 21:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=74

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	999
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

999. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow IndexFromInput\Path 22:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=75

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c



Line	1724	999
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

999. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow IndexFromInput\Path 23:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=76

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1008
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1008. dst[1] = base64[(t >> 12) & 0x3f];



Buffer Overflow IndexFromInput\Path 24:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=77

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	_ • • •	
	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1008
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
....
1008. dst[1] = base64[(t >> 12) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 25:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=78

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1008
Object	getenv	BinaryExpr

Code Snippet



File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP AUTH")) != NULL &&

y

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... 1008. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow IndexFromInput\Path 26:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=79

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1007
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1007. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow IndexFromInput\Path 27:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



	87&pathid=80
Status	New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1007
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

Buffer Overflow IndexFromInput\Path 28:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=81

Status New

The size of the buffer used by http_base64 in BinaryExpr, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1007
Object	getenv	BinaryExpr

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,



```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....

dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow IndexFromInput\Path 29:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=82

Status New

The size of the buffer used by SB_append_char in PostfixExpr, at line 126 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	129
Object	fgetc	PostfixExpr

```
Code Snippet
```

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

651. x = fgetc(conf);

File Name freebsd-src-1/test_x509.c

Method SB_append_char(string_builder *sb, int c)

129. sb->buf[sb->ptr ++] = c;

Buffer Overflow IndexFromInput\Path 30:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

٧

87&pathid=83

Status New



The size of the buffer used by SB_append_char in PostfixExpr, at line 126 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	129
Object	fgetc	PostfixExpr

Buffer Overflow IndexFromInput\Path 31:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=84

Status New

The size of the buffer used by read_a_line in i, at line 2155 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read a line passes to buffer, at line 2155 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2160	2166
Object	buffer	i

```
Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method read_a_line(FILE *io)

....

2160. if (fgets(buffer, sizeof(buffer), io) == NULL) {
....

2166. cnts[i].vals[pos] = strtol(p, &stop, 0);
```



Buffer Overflow IndexFromInput\Path 32:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=85

Status New

The size of the buffer used by read_a_line in i, at line 2155 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read a line passes to buffer, at line 2155 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2160	2168
Object	buffer	i

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method read_a_line(FILE *io)

```
if (fgets(buffer, sizeof(buffer), io) == NULL) {
...
2168. cnts[i].sum += cnts[i].vals[pos];
```

Buffer Overflow IndexFromInput\Path 33:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=86

Status New

The size of the buffer used by run_test_case in u, at line 1457 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read all passes to BinaryExpr, at line 403 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	423	1521
Object	BinaryExpr	u

```
Code Snippet
```

File Name freebsd-src-1/test_x509.c

Method read_all(FILE *f, size_t *len)

```
rlen = fread(buf + ptr, 1, blen - ptr, f);
```

A



```
File Name freebsd-src-1/test_x509.c

Method run_test_case(test_case *tc)

....
1521. certs[u].data = read_file(tc->cert_names[u],
&certs[u].len);
```

Buffer Overflow IndexFromInput\Path 34:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=87

Status New

The size of the buffer used by run_test_case in u, at line 1457 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read all passes to BinaryExpr, at line 403 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	423	1601
Object	BinaryExpr	u

```
Code Snippet
File Name freebsd-src-1/test_x509.c
Method read_all(FILE *f, size_t *len)

....
423. rlen = fread(buf + ptr, 1, blen - ptr, f);

File Name freebsd-src-1/test_x509.c
Method run_test_case(test_case *tc)

....
1601. certs[u].data + v, w);
```

Buffer Overflow IndexFromInput\Path 35:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=88

Status New

The size of the buffer used by run_test_case in u, at line 1457 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read_all passes to BinaryExpr, at line 403 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

a 55	es to binary Expr., at fine 403 of freedsu-sic-1/tes	i_x309.c, to overwrite the target burier.
	Source	Destination



File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	423	1670
Object	BinaryExpr	u

Code Snippet
File Name freebsd-src-1/test_x509.c
Method read_all(FILE *f, size_t *len)

....
423. rlen = fread(buf + ptr, 1, blen - ptr, f);

File Name freebsd-src-1/test_x509.c
Method run_test_case(test_case *tc)

....
1670. xfree(certs[u].data);

Buffer Overflow IndexFromInput\Path 36:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=89

Status New

The size of the buffer used by run_cmd_loop in n, at line 1695 of freebsd-src-1/cxgbtool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that run_cmd_loop passes to buf, at line 1695 of freebsd-src-1/cxgbtool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1715	1722
Object	buf	n

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

Buffer Overflow Indexes

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow Indexes Version:1

Categories



PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow Indexes\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=5

Status New

The size of the buffer used by show_struct in first_word, at line 1471 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	1489
Object	argv	first_word

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

٧

File Name freebsd-src-1/cxgbetool.c

Method show_struct(const uint32_t *words, int nwords, const struct field_desc *fd)

Buffer Overflow Indexes\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=6

Status New

The size of the buffer used by show_struct in first_word, at line 1471 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argv, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c



Line	3666	1487
Object	argv	first_word

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

```
3666. main(int argc, const char *argv[])
```

¥

File Name freebsd-src-1/cxgbetool.c

Method show_struct(const uint32_t *words, int nwords, const struct field_desc *fd)

```
....
1487. ((uint64_t)words[first_word + 1] << (32 - shift));
```

Buffer Overflow Indexes\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=7

Status New

The size of the buffer used by show_struct in first_word, at line 1471 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	1486
Object	argv	first_word

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

```
3666. main(int argc, const char *argv[])
```

A

File Name freebsd-src-1/cxgbetool.c

Method show_struct(const uint32_t *words, int nwords, const struct field_desc *fd)

```
....
1486. data = (words[first_word] >> shift) |
```



Buffer Overflow Indexes\Path 4:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=8

Status New

The size of the buffer used by parse_offload_policy_line in llen, at line 3268 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	3279
Object	argv	llen

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

¥

File Name freebsd-src-1/cxgbetool.c

Method parse_offload_policy_line(size_t lno, char *line, size_t llen, pcap_t *pd,

3279. s = &line[llen - 1];

Buffer Overflow Indexes\Path 5:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=9

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	991
Object	getenv	t

Code Snippet



```
File Name freebsd-src-1/http.c
```

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

991. dst[3] = base64[(t >> 0) & 0x3f];

Buffer Overflow Indexes\Path 6:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=10

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	990
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

*

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

990. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 7:

Severity High
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=11

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	989
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
989. dst[1] = base64[(t >> 12) & 0x3f];
```

Buffer Overflow Indexes\Path 8:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=12

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	988
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)



```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

freebsd-src-1/http.c

Method http_base64(const char *src)
```

Buffer Overflow Indexes\Path 9:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=13

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_connect passes to getenv, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1001
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1001. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 10:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=14



Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1000
Object	getenv	t

```
Code Snippet
```

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
dst[1] = base64[(t >> 12) & 0x3f];
```

Buffer Overflow Indexes\Path 11:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=15

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_connect passes to getenv, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	999
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```



```
File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....

999. dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow Indexes\Path 12:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=16

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1008
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

y

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1008. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 13:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=17

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_connect passes to geteny, at line 1379 of freebsd-src-1/http.c, to overwrite the target buffer.



	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1423	1007
Object	getenv	t

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

```
1423. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

```
1007. dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow Indexes\Path 14:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=18

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	991
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&
```

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)



```
dst[3] = base64[(t >> 0) & 0x3f];
```

Buffer Overflow Indexes\Path 15:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=19

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	990
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

990. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 16:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=20

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c



Line	1694	989
Object	getenv	t

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

989. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 17:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=21

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	988
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http base64(const char *src)



```
dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow Indexes\Path 18:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=22

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1001
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 19:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=23

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c



Line	1694	1000
Object	getenv	t

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....
1000. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 20:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=24

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	999
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

٧

File Name freebsd-src-1/http.c

Method http base64(const char *src)



```
dst[0] = base64[(t >> 18) & 0x3f];
```

Buffer Overflow Indexes\Path 21:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=25

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1694	1008
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....
1008. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 22:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=26

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c



Line	1694	1007
Object	getenv	t

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

....
1694. } else if ((p = getenv("HTTP_PROXY_AUTH")) !=
NULL &&

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

1007. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow Indexes\Path 23:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=27

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	991
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

991. dst[3] = base64[(t >> 0) & 0x3f];



Buffer Overflow Indexes\Path 24:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=28

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	990
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

990. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 25:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=29

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	989
Object	getenv	t

Code Snippet



File Name freebsd-src-1/http.c http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....
989. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 26:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=30

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	988
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

₹

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

988. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow Indexes\Path 27:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=31



Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1001
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

¥

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... 1001. dst[2] = base64[(t >> 6) & 0x3f];

Buffer Overflow Indexes\Path 28:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=32

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1000
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A



File Name freebsd-src-1/http.c

Method http_base64(const char *src)

....

1000. dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 29:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=33

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	999
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

999. dst[0] = base64[(t >> 18) & 0x3f];

Buffer Overflow Indexes\Path 30:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=34

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

Source Destination



File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1008
Object	getenv	t

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

٧

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

dst[1] = base64[(t >> 12) & 0x3f];

Buffer Overflow Indexes\Path 31:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=35

Status New

The size of the buffer used by http_base64 in t, at line 971 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1724	1007
Object	getenv	t

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1724. } else if ((p = getenv("HTTP_AUTH")) != NULL &&

A

File Name freebsd-src-1/http.c

Method http_base64(const char *src)

.... 1007. dst[0] = base64[(t >> 18) & 0x3f];



Buffer Overflow StrcpyStrcat

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow StrcpyStrcat Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow StrcpyStrcat\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=40

Status New

The size of the buffer used by http_request_body in pwd, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1919
Object	getenv	pwd

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

1511. if (((p = getenv("HTTP_PROXY")) || (p =
getenv("http_proxy"))) &&

A

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1919. strcpy(new->pwd, url->pwd);

Buffer Overflow StrcpyStrcat\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=41

Status New



The size of the buffer used by http_request_body in pwd, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1919
Object	getenv	pwd

```
Code Snippet
```

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

```
1511. if (((p = getenv("HTTP_PROXY")) || (p = getenv("http_proxy"))) &&
```

A

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
1919. strcpy(new->pwd, url->pwd);
```

Buffer Overflow StrcpyStrcat\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=42

Status New

The size of the buffer used by http_request_body in pwd, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1760	1919
Object	getenv	pwd

Code Snippet

File Name freebsd-src-1/http.c

Method http request body(struct url *URL, const char *op, struct url stat *us,

```
if ((p = getenv("HTTP_USER_AGENT")) != NULL) {
    ...
1919. strcpy(new->pwd, url->pwd);
```



Buffer Overflow StrcpyStrcat\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=43

Status New

The size of the buffer used by http_request_body in user, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1918
Object	getenv	user

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

```
.... if (((p = getenv("HTTP_PROXY")) || (p = getenv("http_proxy"))) &&
```

¥

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1918. strcpy(new->user, url->user);

Buffer Overflow StrcpyStrcat\Path 5:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=44

Status New

The size of the buffer used by http_request_body in user, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1918
Object	getenv	user

Code Snippet

File Name freebsd-src-1/http.c



Buffer Overflow StrcpyStrcat\Path 6:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=45

Status New

The size of the buffer used by http_request_body in user, at line 1585 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1760	1918
Object	getenv	user

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
if ((p = getenv("HTTP_USER_AGENT")) != NULL) {
    ...
1918. strcpy(new->user, url->user);
```

Buffer Overflow StrcpyStrcat\Path 7:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=46

Status New

The size of the buffer used by http_get_proxy in scheme, at line 1502 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_get_proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.



File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1514
Object	getenv	scheme

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

```
1511. if (((p = getenv("HTTP_PROXY")) || (p =
getenv("http_proxy"))) &&
....
1514. strcpy(purl->scheme, SCHEME_HTTP);
```

Buffer Overflow StrcpyStrcat\Path 8:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=47

Status New

The size of the buffer used by http_get_proxy in scheme, at line 1502 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	1514
Object	getenv	scheme

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

Buffer Overflow StrcpyStrcat\Path 9:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=48

Status New



The size of the buffer used by *CRYPTO_strdup in ret, at line 27 of freebsd-src-1/o_str.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *CRYPTO strdup passes to file, at line 27 of freebsd-src-1/o str.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/o_str.c	freebsd-src-1/o_str.c
Line	27	35
Object	file	ret

Code Snippet

File Name freebsd-src-1/o_str.c

Method char *CRYPTO_strdup(const char *str, const char* file, int line)

```
char *CRYPTO_strdup(const char *str, const char* file, int line)
strcpy(ret, str);
```

Buffer Overflow StrcpyStrcat\Path 10:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=49

Status New

The size of the buffer used by my_popen in command, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that my popen passes to command, at line 67 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	67	92
Object	command	command

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

```
my_popen(const char *command, const char *dir, pid_t *p_pid)
....
92. strcpy(cmd2, command);
```

Buffer Overflow StrcpyStrcat\Path 11:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=50

Status New



The size of the buffer used by my_popen in command, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that add it to passes to vars, at line 2641 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2641	92
Object	vars	command

```
Code Snippet
File Name freebsd-src-1/pmcstudy.c
Method add_it_to(char **vars, int cur_cnt, char *name)

....
2641. add_it_to(char **vars, int cur_cnt, char *name)

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

....
92. strcpy(cmd2, command);
```

Buffer Overflow StrcpyStrcat\Path 12:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=51

Status New

The size of the buffer used by build_command_for_exp in forming, at line 2669 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that add_it_to passes to vars, at line 2641 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2641	2728
Object	vars	forming

```
Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method add_it_to(char **vars, int cur_cnt, char *name)

....

2641. add_it_to(char **vars, int cur_cnt, char *name)
```



File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

2728. strcat(cmd, forming);

Buffer Overflow StrcpyStrcat\Path 13:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=52

Status New

The size of the buffer used by build_command_for_exp in cmd, at line 2669 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that add_it_to passes to vars, at line 2641 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2641	2728
Object	vars	cmd

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method add_it_to(char **vars, int cur_cnt, char *name)

2641. add_it_to(char **vars, int cur_cnt, char *name)

A

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

2728. strcat(cmd, forming);

Buffer Overflow StrcpyStrcat\Path 14:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=53

Status New

The size of the buffer used by filter_add in neW, at line 635 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that filter_add passes to filt, at line 635 of freebsd-src-1/lockstat.c, to overwrite the target buffer.



	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	635	656
Object	filt	neW

File Name freebsd-src-1/lockstat.c

Method filter_add(char **filt, char *what, uintptr_t base, size_t size)

635. filter_add(char **filt, char *what, uintptr_t base, size_t size)
656. (void) strcat(new, c);

Buffer Overflow OutOfBound

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow OutOfBound Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow OutOfBound\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=90

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that { passes to g event info, at line 147 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	147	1295
Object	g_event_info	i

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static ls_event_info_t q_event_info[LS_MAX_EVENTS] = {

147. static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

¥

File Name freebsd-src-1/lockstat.c



Buffer Overflow OutOfBound\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=91

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that { passes to g_event_info, at line 147 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	147	1194
Object	g_event_info	i

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static ls_event_info_t q_event_info[LS_MAX_EVENTS] = {

147. static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

¥

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

mam(me arge, enar argv)

if (g_event_info[i].ev_type != 'E')

Buffer Overflow OutOfBound\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=92

Status New

The size of the buffer used by main in g_event_info, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that { passes to g_event_info, at line 147 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c



Line	147	1302
Object	g_event_info	g_event_info

File Name freebsd-src-1/lockstat.c

Method static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

....
147. static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

¥

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

if (strchr("CH", g_event_info[i].ev_type))

Buffer Overflow OutOfBound\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=93

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that { passes to g event info, at line 147 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	147	1375
Object	g_event_info	i

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

....
147. static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

A

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

if (!events_specified && g_event_info[i].ev_type ==
'C')



Buffer Overflow OutOfBound\Path 5:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=94

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that { passes to g event info, at line 147 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	147	1383
Object	g_event_info	i

```
Code Snippet
```

File Name freebsd-src-1/lockstat.c

Method static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {

```
....
147. static ls_event_info_t g_event_info[LS_MAX_EVENTS] = {
```

A

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

if (g_event_info[i].ev_acquire != NULL) {

Buffer Overflow OutOfBound\Path 6:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=95

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g_min_duration[LS_MAX_EVENTS]; passes to g_min_duration, at line 129 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	129	1195
Object	g_min_duration	i

Code Snippet



Buffer Overflow OutOfBound\Path 7:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=96

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g_enabled[LS_MAX_EVENTS]; passes to g_enabled, at line 128 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

0		
	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	128	1296
Object	g_enabled	i

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static uchar_t g_enabled[LS_MAX_EVENTS];

128. static uchar_t g_enabled[LS_MAX_EVENTS];

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

1296. g_enabled[i] = 1;

Buffer Overflow OutOfBound\Path 8:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

٧



87&pathid=97

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g_enabled[LS_MAX_EVENTS]; passes to g_enabled, at line 128 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

•			
	Source	Destination	
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c	
Line	128	1262	
Object	g_enabled	i	

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static uchar_t g_enabled[LS_MAX_EVENTS];

....
128. static uchar_t g_enabled[LS_MAX_EVENTS];

A

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

1262. g_enabled[i] = 1;

Buffer Overflow OutOfBound\Path 9:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=98

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g_enabled[LS_MAX_EVENTS]; passes to g_enabled, at line 128 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	128	1303
Object	g_enabled	i

Code Snippet

File Name freebsd-src-1/lockstat.c

Method static uchar_t g_enabled[LS_MAX_EVENTS];



```
File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

...

1303. g_enabled[i] = 1;
```

Buffer Overflow OutOfBound\Path 10:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=99

Status New

The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g_enabled[LS_MAX_EVENTS]; passes to g_enabled, at line 128 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

6				
	Source	Destination		
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c		
Line	128	1376		
Object	g_enabled	i		

```
Code Snippet
```

File Name freebsd-src-1/lockstat.c

Method static uchar_t g_enabled[LS_MAX_EVENTS];

128. static uchar_t g_enabled[LS_MAX_EVENTS];

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

....
1376. g enabled[i] = 1;

Buffer Overflow OutOfBound\Path 11:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

٧

87&pathid=100

Status New



The size of the buffer used by main in i, at line 1114 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that g enabled[LS MAX EVENTS]; passes to g enabled, at line 128 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	128	1380
Object	g_enabled	i

```
Code Snippet
File Name
             freebsd-src-1/lockstat.c
Method
             static uchar_t g_enabled[LS_MAX_EVENTS];
                    static uchar t g enabled[LS MAX EVENTS];
               128.
             freebsd-src-1/lockstat.c
File Name
Method
              main(int argc, char **argv)
               . . . .
               1380.
                                  if (!g enabled[i])
```

Buffer Overflow OutOfBound\Path 12:

Severity High Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=101

Status New

The size of the buffer used by test for a pmc in i, at line 2568 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that my popen passes to pdesin, at line 67 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	70	2604
Object	pdesin	i

```
Code Snippet
File Name
             freebsd-src-1/pmcstudy.c
Method
             my_popen(const char *command, const char *dir, pid_t *p_pid)
                     int pdesin[2], pdesout[2];
               70.
```



```
File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

....
2604. } else if (strncmp(&line[i], resp, len) == 0) {
```

Buffer Overflow OutOfBound\Path 13:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=102

Status New

The size of the buffer used by test_for_a_pmc in i, at line 2568 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that my popen passes to pdesin, at line 67 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	70	2601
Object	pdesin	i

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

70. int pdesin[2], pdesout[2];

A

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

2601. if (strncmp(&line[i], "ERROR", 5) == 0) {

Buffer Overflow OutOfBound\Path 14:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=103

Status New

The size of the buffer used by process_header in i, at line 2064 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that my popen passes to pdesin, at line 67 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.



File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	70	2083
Object	pdesin	i

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

70. int pdesin[2], pdesout[2];

₩.

File Name freebsd-src-1/pmcstudy.c

Method process_header(int idx, char *p)

2083. if (p[i] == '/') {

CGI Stored XSS

Query Path:

CPP\Cx\CPP High Risk\CGI Stored XSS Version:0

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.7 - Cross-site scripting (XSS)

OWASP Top 10 2013: A3-Cross-Site Scripting (XSS) FISMA 2014: System And Information Integrity

NIST SP 800-53: SI-15 Information Output Filtering (P0) OWASP Top 10 2017: A7-Cross-Site Scripting (XSS)

Description

CGI Stored XSS\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=317

Status New

Unvalidated DB output was found in line number 2095 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2064.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2104	2075
Object	buffer	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)



```
File Name freebsd-src-1/pmcstudy.c

Method process_header(int idx, char *p)

printf("Check -- invalid header no s/ in %s\n",
```

CGI Stored XSS\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=318

Status New

Unvalidated DB output was found in line number 2334 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2787.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2510	2793
Object	linebuf	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)

2510. while (fgets(linebuf, sizeof(linebuf), io) != NULL) {

¥

File Name freebsd-src-1/pmcstudy.c

Method list_all(void)

2793. cnt = printf("%s", valid_pmcs[i]);

CGI Stored XSS\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=319

Status New



Unvalidated DB output was found in line number 2334 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2775.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2510	2781
Object	linebuf	printf

```
Code Snippet
File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)

....
2510. while (fgets(linebuf, sizeof(linebuf), io) != NULL) {

File Name freebsd-src-1/pmcstudy.c

Method run_tests(void)

....
2781. lenout = printf("%s", valid_pmcs[i]);
```

CGI Stored XSS\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=320

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2591	2602
Object	line	printf

```
Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

....

2591. if (fgets(line, sizeof(line), io) == NULL) {
....

2602. printf("Failed %s\n", line);
```

CGI Stored XSS\Path 5:



Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=321

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2591	2627
Object	line	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

CGI Stored XSS\Path 6:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=322

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2591	2634
Object	line	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

```
....
2591.     if (fgets(line, sizeof(line), io) == NULL) {
....
2634.     printf("Failed -- '%s' not '%s'\n", line, resp);
```

CGI Stored XSS\Path 7:



Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=323

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2607	2602
Object	line	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

CGI Stored XSS\Path 8:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=324

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2607	2634
Object	line	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

CGI Stored XSS\Path 9:



Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=325

Status New

Unvalidated DB output was found in line number 2568 in freebsd-src-1/pmcstudy.c file. A possible XSS exploitation was found in printf at line number 2568.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2607	2627
Object	line	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

Buffer Overflow LongString

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow LongString Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow LongString\Path 1:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1

Status New

The size of the buffer used by my_popen in argv, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that test_for_a_pmc passes to "/usr/sbin/pmcstat -w .25 -c 0 -s %s", at line 2568 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2583	95
Object	"/usr/sbin/pmcstat -w .25 -c 0 -s %s"	argv



```
Code Snippet
File Name
             freebsd-src-1/pmcstudy.c
Method
             test_for_a_pmc(const char *pmc, int out_so_far)
               . . . .
                            sprintf(my_command, "/usr/sbin/pmcstat -w .25 -c 0 -s %s",
               2583.
               pmc);
```

freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

```
95. argv[2] = cmd2;
```

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Buffer Overflow LongString\Path 2:

Severity High Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=2

New Status

File Name

The size of the buffer used by my popen in argy, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that build command for exp passes to "/usr/sbin/pmcstat -w 1", at line 2669 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2724	95
Object	"/usr/sbin/pmcstat -w 1"	argv

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

> strcpy(cmd, "/usr/sbin/pmcstat -w 1"); 2724.

> > ٧

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

> 95. argv[2] = cmd2;

Buffer Overflow LongString\Path 3:

Severity High



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=3

Status New

The size of the buffer used by my_popen in argv, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that build_command_for_exp passes to "-s %s", at line 2669 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2727	95
Object	" -s %s"	argv

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

2727. sprintf(forming, " -s %s", vars[i]);

A

File Name freebsd-src-1/pmcstudy.c

Method my_popen(const char *command, const char *dir, pid_t *p_pid)

95. argv[2] = cmd2;

Buffer Overflow LongString\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=4

Status New

The size of the buffer used by my_popen in argv, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that get_cpuid_set passes to "/usr/sbin/pmccontrol - ", at line 2334 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2497	95
Object	"/usr/sbin/pmccontrol - "	argv

Code Snippet

File Name freebsd-src-1/pmcstudy.c



Buffer Overflow boundedcpy

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow boundedcpy Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow boundedcpy\Path 1:

Severity High
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=36

Status New

The size parameter BinaryExpr in line 223 in file freebsd-src-1/phttpget.c is influenced by the user input argv in line 293 in file freebsd-src-1/phttpget.c. This may lead to a buffer overflow vulnerability, which may in turn result in malicious code execution.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	293	232
Object	argv	BinaryExpr

Code Snippet

File Name freebsd-src-1/phttpget.c
Method main(int argc, char *argv[])

293. main(int argc, char *argv[])

A

File Name freebsd-src-1/phttpget.c

Method readln(int sd, char * resbuf, int * resbuflen, int * resbufpos)



```
....
232. *resbuflen - *resbufpos);
```

Buffer Overflow boundedcpy\Path 2:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=37

Status New

The size parameter BinaryExpr in line 223 in file freebsd-src-1/phttpget.c is influenced by the user input BinaryExpr in line 223 in file freebsd-src-1/phttpget.c. This may lead to a buffer overflow vulnerability, which may in turn result in malicious code execution.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	242	232
Object	BinaryExpr	BinaryExpr

Code Snippet

File Name freebsd-src-1/phttpget.c

Method readln(int sd, char * resbuf, int * resbuflen, int * resbufpos)

Buffer Overflow boundedcpy\Path 3:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=38

Status New

The size parameter BinaryExpr in line 223 in file freebsd-src-1/phttpget.c is influenced by the user input resbuf in line 255 in file freebsd-src-1/phttpget.c. This may lead to a buffer overflow vulnerability, which may in turn result in malicious code execution.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	276	232
Object	resbuf	BinaryExpr

Code Snippet



```
File Name freebsd-src-1/phttpget.c copybytes(int sd, int fd, off_t copylen, char * resbuf, int * resbuflen,

....
276. len = recv(sd, resbuf, BUFSIZ, 0);

File Name freebsd-src-1/phttpget.c

Method readln(int sd, char * resbuf, int * resbuflen, int * resbufpos)

....
232. *resbuflen - *resbufpos);
```

Buffer Overflow boundedcpy\Path 4:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=39

Status New

The size parameter len in line 2021 in file freebsd-src-1/test_x509.c is influenced by the user input argv in line 2021 in file freebsd-src-1/test_x509.c. This may lead to a buffer overflow vulnerability, which may in turn result in malicious code execution.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	2021	2050
Object	argv	len

Code Snippet

File Name freebsd-src-1/test_x509.c

Method main(int argc, const char *argv[])

```
2021. main(int argc, const char *argv[])
....
2050. memcpy(dn, arg, len);
```

Command Injection

Query Path:

CPP\Cx\CPP High Risk\Command Injection Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.1 - Injection flaws - particularly SQL injection

OWASP Top 10 2013: A1-Injection

FISMA 2014: System And Information Integrity

NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection



Description

Command Injection\Path 1:

Severity High
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=326

Status New

The application's main method calls an OS (shell) command with execvp, at line 1114 of freebsd-src-1/lockstat.c, using an untrusted string with the command to execute.

This could allow an attacker to inject an arbitrary command, and enable a Command Injection attack.

The attacker may be able to inject the executed command via user input, argv, which is retrieved by the application in the main method, at line 1114 of freebsd-src-1/lockstat.c.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1114	1476
Object	argv	execvp

Code Snippet

File Name freebsd-src-1/lockstat.c Method main(int argc, char **argv)

1114. main(int argc, char **argv)
....
1476. (void) execvp(argv[0], &argv[0]);

Dangerous Functions

Query Path:

CPP\Cx\CPP Medium Threat\Dangerous Functions Version:1

Categories

OWASP Top 10 2013: A9-Using Components with Known Vulnerabilities OWASP Top 10 2017: A9-Using Components with Known Vulnerabilities

Description

Dangerous Functions\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=503

Status New

The dangerous function, memcpy, was found in use at line 2355 in freebsd-src-

1/archive_read_support_format_lha.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

Source	Destination
	2 000



File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2494	2494
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c
Method lzh_decode_blocks(struct lzh_stream *strm, int last)

2494. memcpy(w_buff + w_pos,

Dangerous Functions\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=504

Status New

The dangerous function, memcpy, was found in use at line 2702 in freebsd-src-

1/archive_read_support_format_lha.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2799	2799
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c
Method lzh_make_huffman_table(struct huffman *hf)

2799. memcpy(&p[cnt], pc,

Dangerous Functions\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=505

Status New

The dangerous function, memcpy, was found in use at line 2702 in freebsd-src-

1/archive_read_support_format_lha.c file. Such functions may expose information and allow an attacker to get full control over the host machine.



	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2804	2804
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c Method lzh_make_huffman_table(struct huffman *hf)

2804. memcpy(&p[cnt], pc,

Dangerous Functions\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=506

Status New

The dangerous function, memcpy, was found in use at line 2702 in freebsd-src-

1/archive_read_support_format_lha.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2809	2809
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c Method lzh_make_huffman_table(struct huffman *hf)

2809. memcpy(p, pc, cnt * sizeof(uint16 t));

Dangerous Functions\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=507

Status New



The dangerous function, memcpy, was found in use at line 2084 in freebsd-src-1/archive_read_support_format_mtree.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	2120	2120
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method readline(struct archive_read *a, struct mtree *mtree, char **start,

2120. memcpy(mtree->line.s + total_size, t, bytes_read);

Dangerous Functions\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=508

Status New

The dangerous function, memcpy, was found in use at line 813 in freebsd-src-

1/archive_read_support_format_mtree.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	827	827
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method add_option(struct archive_read *a, struct mtree_option **global,

827. memcpy(opt->value, value, len);

Dangerous Functions\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=509

Status New



The dangerous function, memcpy, was found in use at line 919 in freebsd-src-

1/archive_read_support_format_mtree.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	987	987
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method process_add_entry(struct archive_read *a, struct mtree *mtree,

987. memcpy(entry->name, name_len);

Dangerous Functions\Path 8:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=510

Status New

The dangerous function, memcpy, was found in use at line 676 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	696	696
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method lzss_emit_match(struct rar *rar, int offset, int length)

696. memcpy(d, s, 1);

Dangerous Functions\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=511



Status New

The dangerous function, memcpy, was found in use at line 907 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	983	983
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method archive_read_format_rar_read_header(struct archive_read *a,

983. memcpy(rar->reserved1, p + 7, sizeof(rar->reserved1));

Dangerous Functions\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=512

Status New

The dangerous function, memcpy, was found in use at line 907 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	984	984
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method archive_read_format_rar_read_header(struct archive_read *a,

....
984. memcpy(rar->reserved2, p + 7 + sizeof(rar->reserved1),

Dangerous Functions\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=513

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1395	1395
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

....
1395. memcpy(&rar_header, p, sizeof(rar_header));

Dangerous Functions\Path 12:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=514

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1448	1448
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

1448. memcpy(&file_header, p, sizeof(file_header));

Dangerous Functions\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=515

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1472	1472
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

....
1472. memcpy(packed_size, file_header.pack_size, 4);

Dangerous Functions\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=516

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1473	1473
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

....
1473. memcpy(packed_size + 4, p, 4); /* High pack size */

Dangerous Functions\Path 15:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=517

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive read support format rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1475	1475
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

> 1475. memcpy(unp size, file header.unp size, 4);

Dangerous Functions\Path 16:

Severity Medium Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=518

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive read support format rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1476	1476
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

read_header(struct archive_read *a, struct archive_entry *entry, Method

1476. memcpy(unp size + 4, p, 4); /* High unpack size */

Dangerous Functions\Path 17:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=519

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1529	1529
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

1529. memcpy(filename, p, filename_size);

Dangerous Functions\Path 18:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=520

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1683	1683
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

....
1683. memcpy(rar->filename_save, rar->filename, filename_size + 1);

Dangerous Functions\Path 19:



Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=521

Status New

The dangerous function, memcpy, was found in use at line 1358 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1706	1706
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

1706. memcpy(rar->salt, p, 8);

Dangerous Functions\Path 20:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=522

Status New

The dangerous function, memcpy, was found in use at line 3069 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3083	3083
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window(struct archive_read *a, void *buffer,

....
3083. memcpy(buffer, &rar->lzss.window[windowoffs], firstpart);



Dangerous Functions\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=523

Status New

The dangerous function, memcpy, was found in use at line 3069 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3084	3084
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window(struct archive_read *a, void *buffer,

....
3084. memcpy(buffer, &rar->lzss.window[0], length - firstpart);

Dangerous Functions\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=524

Status New

The dangerous function, memcpy, was found in use at line 3069 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3086	3086
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window(struct archive_read *a, void *buffer,

3086. memcpy(buffer, &rar->lzss.window[windowoffs], length);



Dangerous Functions\Path 23:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=525

Status New

The dangerous function, memcpy, was found in use at line 3092 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3110	3110
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window_to_unp(struct archive_read *a, const void **buffer,

....
3110. memcpy(&rar->unp_buffer[rar->unp_offset], &rar>lzss.window[windowoffs],

Dangerous Functions\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=526

Status New

The dangerous function, memcpy, was found in use at line 3092 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3120	3120
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window_to_unp(struct archive_read *a, const void **buffer,



....
3120. memcpy(&rar->unp_buffer[rar->unp_offset],

Dangerous Functions\Path 25:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=527

Status New

The dangerous function, memcpy, was found in use at line 3092 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3122	3122
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window_to_unp(struct archive_read *a, const void **buffer,

3122. memcpy(&rar->unp_buffer[rar->unp_offset + firstpart],

Dangerous Functions\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=528

Status New

The dangerous function, memcpy, was found in use at line 3092 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3125	3125
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



Method copy_from_lzss_window_to_unp(struct archive_read *a, const void **buffer,

....
3125. memcpy(&rar->unp_buffer[rar->unp_offset],

Dangerous Functions\Path 27:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=529

Status New

The dangerous function, memcpy, was found in use at line 3313 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3326	3326
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method create_filter(struct rar_program_code *prog, const uint8_t *globaldata, uint32_t

globaldatalen, uint32_t registers[8], size_t startpos, uint32_t length)

....
3326. memcpy(filter->globaldata, globaldata, globaldatalen);

Dangerous Functions\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=530

Status New

The dangerous function, memcpy, was found in use at line 3313 in freebsd-src-

1/archive_read_support_format_rar.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3328	3328
Object	memcpy	memcpy



Code Snippet

File Name

freebsd-src-1/archive_read_support_format_rar.c

Method

create_filter(struct rar_program_code *prog, const uint8_t *globaldata, uint32_t
globaldatalen, uint32_t registers[8], size_t startpos, uint32_t length)

nobaldatalen, amtoz_t registero[o], olze_t otartpoo, amtoz_t lengtin,

3328. memcpy(filter->initialregisters, registers, sizeof(filter>initialregisters));

Dangerous Functions\Path 29:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=531

Status New

The dangerous function, memcpy, was found in use at line 795 in freebsd-src-1/authzone.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	809	809
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,

memcpy(d, old, sizeof(struct packed_rrset_data));

Dangerous Functions\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=532

Status New

The dangerous function, memcpy, was found in use at line 936 in freebsd-src-1/authzone.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	963	963
Object	memcpy	memcpy

Code Snippet



File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

963. memcpy(d, old, sizeof(struct packed_rrset_data));

Dangerous Functions\Path 31:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=533

Status New

The dangerous function, memcpy, was found in use at line 936 in freebsd-src-1/authzone.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1027	1027
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

....
1027. memcpy(sigd, sigold, sizeof(struct packed_rrset_data));

Dangerous Functions\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=534

Status New

The dangerous function, memcpy, was found in use at line 1567 in freebsd-src-1/authzone.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1613	1613
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)



....
1613. memcpy(state.origin, z->name, z->namelen);

Dangerous Functions\Path 33:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=535

Status New

The dangerous function, memcpy, was found in use at line 2632 in freebsd-src-1/authzone.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2642	2642
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/authzone.c

Method synth_cname_buf(uint8_t* qname, size_t qname_len, size_t dname_len,

.... memcpy(buf, qname, qname_len-dname_len);

Dangerous Functions\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=536

Status New

The dangerous function, memcpy, was found in use at line 828 in freebsd-src-1/b_print.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	852	852
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/b_print.c

Method doapr_outch(char **sbuffer,



memcpy(*buffer, *sbuffer, *currlen);

Dangerous Functions\Path 35:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=537

Status New

The dangerous function, memcpy, was found in use at line 1253 in freebsd-src-1/channels.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1314	1314
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_open_helper(struct ssh *ssh, struct sshbuf *b)

....
1314. memcpy(ucp + 12 + ((proto_len + 3) & ~3),

Dangerous Functions\Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=538

Status New

The dangerous function, memcpy, was found in use at line 1509 in freebsd-src-1/channels.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1561	1561
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_decode_socks5(Channel *c, struct sshbuf *input, struct sshbuf *output)



....
1561. memcpy(&s5_req, p, sizeof(s5_req));

Dangerous Functions\Path 37:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=539

Status New

The dangerous function, memcpy, was found in use at line 170 in freebsd-src-1/cms_enc.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/cms_enc.c	freebsd-src-1/cms_enc.c
Line	180	180
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/cms_enc.c

Method int cms_EncryptedContent_init(CMS_EncryptedContentInfo *ec,

180. memcpy(ec->key, key, keylen);

Dangerous Functions\Path 38:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=540

Status New

The dangerous function, memcpy, was found in use at line 1115 in freebsd-src-1/cxgbetool.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1299	1299
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method set_filter(uint32_t idx, int argc, const char *argv[], int hash)



nemcpy(t.fs.dmac, daddr, ETHER_ADDR_LEN);

Dangerous Functions\Path 39:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=541

Status New

The dangerous function, memcpy, was found in use at line 1115 in freebsd-src-1/cxgbetool.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1310	1310
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method set_filter(uint32_t idx, int argc, const char *argv[], int hash)

1310. memcpy(t.fs.smac, saddr, ETHER_ADDR_LEN);

Dangerous Functions\Path 40:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=542

Status New

The dangerous function, memcpy, was found in use at line 769 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	790	790
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_tid_del_func(struct ath11k_dp *dp, void *ctx,



....
790. memcpy(&elem->data, rx_tid, sizeof(*rx_tid));

Dangerous Functions\Path 41:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=543

Status New

The dangerous function, memcpy, was found in use at line 1249 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1267	1267
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

....
1267. memcpy((void *)&ppdu_info->ppdu_stats.common, ptr,

Dangerous Functions\Path 42:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=544

Status New

The dangerous function, memcpy, was found in use at line 1249 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1289	1289
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,



....
1289. memcpy((void *)&user_stats->rate, ptr,

Dangerous Functions\Path 43:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=545

Status New

The dangerous function, memcpy, was found in use at line 1249 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1312	1312
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

1312. memcpy((void *)&user_stats->cmpltn_cmn, ptr,

Dangerous Functions\Path 44:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=546

Status New

The dangerous function, memcpy, was found in use at line 1249 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1337	1337
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,



```
....
1337. memcpy((void *)&user_stats->ack_ba, ptr,
```

Dangerous Functions\Path 45:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=547

Status New

The dangerous function, memcpy, was found in use at line 1395 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1523	1523
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp rx.c

Method ath11k_update_per_peer_tx_stats(struct ath11k *ar,

....
1523. memcpy(&arsta->last_txrate, &arsta->txrate, sizeof(struct
rate info));

Dangerous Functions\Path 46:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=548

Status New

The dangerous function, memcpy, was found in use at line 1979 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2030	2030
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp rx.c

Method static void ath11k_dp_rx_h_undecap_nwifi(struct ath11k *ar,



....
2030. memcpy(decap_hdr, (uint8_t *)hdr, hdr_len);

Dangerous Functions\Path 47:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=549

Status New

The dangerous function, memcpy, was found in use at line 1979 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2034	2034
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_h_undecap_nwifi(struct ath11k *ar,

.... memcpy(skb push(msdu,

Dangerous Functions\Path 48:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=550

Status New

The dangerous function, memcpy, was found in use at line 1979 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2045	2045
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_h_undecap_nwifi(struct ath11k *ar,



.... 2045. memcpy(skb_push(msdu,

Dangerous Functions\Path 49:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=551

Status New

The dangerous function, memcpy, was found in use at line 1979 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2048	2048
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_h_undecap_nwifi(struct ath11k *ar,

2048. memcpy(skb push(msdu, hdr len), decap hdr, hdr len);

Dangerous Functions\Path 50:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=552

Status New

The dangerous function, memcpy, was found in use at line 1979 in freebsd-src-1/dp_rx.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2052	2052
Object	memcpy	memcpy

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_h_undecap_nwifi(struct ath11k *ar,



```
....
2052. memcpy(skb_push(msdu, hdr_len), hdr, hdr_len);
```

Buffer Overflow boundcpy WrongSizeParam

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow boundcpy WrongSizeParam Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows

OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow boundcpy WrongSizeParam\Path 1:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=106

Status New

The size of the buffer used by archive_read_format_rar_read_header in ->, at line 907 of freebsd-src-1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that archive_read_format_rar_read_header passes to ->, at line 907 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	983	983
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method archive_read_format_rar_read_header(struct archive_read *a,

983. memcpy(rar->reserved1, p + 7, sizeof(rar->reserved1));

Buffer Overflow boundcpy WrongSizeParam\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=107

Status New

The size of the buffer used by archive_read_format_rar_read_header in ->, at line 907 of freebsd-src-1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that archive_read_format_rar_read_header passes to ->, at line 907 of freebsd-src-1/archive_read_support_format_rar.c, to overwrite the target buffer.

Source Destination



File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	985	985
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method archive_read_format_rar_read_header(struct archive_read *a,

985. sizeof(rar->reserved2));

Buffer Overflow boundcpy WrongSizeParam\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=108

Status New

The size of the buffer used by create_filter in ->, at line 3313 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that create_filter passes to ->, at line 3313 of freebsd-src-1/archive_read_support_format_rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3328	3328
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method create_filter(struct rar_program_code *prog, const uint8_t *globaldata, uint32_t

globaldatalen, uint32_t registers[8], size_t startpos, uint32_t length)

....

3328. memcpy(filter->initialregisters, registers, sizeof(filter->initialregisters));

Buffer Overflow boundcpy WrongSizeParam\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=109



The size of the buffer used by rrset_add_rr in old, at line 795 of freebsd-src-1/authzone.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rrset add rr passes to old, at line 795 of freebsd-src-1/authzone.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	809	809
Object	old	old

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,

memcpy(d, old, sizeof(struct packed_rrset_data));

Buffer Overflow boundcpy WrongSizeParam\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=110

Status New

The size of the buffer used by rrset_moveover_rrsigs in packed_rrset_data, at line 936 of freebsd-src-1/authzone.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rrset_moveover_rrsigs passes to packed_rrset_data, at line 936 of freebsd-src-1/authzone.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	963	963
Object	packed_rrset_data	packed_rrset_data

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

963. memcpy(d, old, sizeof(struct packed_rrset_data));

Buffer Overflow boundcpy WrongSizeParam\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=111

Status New

The size of the buffer used by rrset_moveover_rrsigs in packed_rrset_data, at line 936 of freebsd-src-1/authzone.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow



attack, using the source buffer that rrset_moveover_rrsigs passes to packed_rrset_data, at line 936 of freebsd-src-1/authzone.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1027	1027
Object	packed_rrset_data	packed_rrset_data

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

....
1027. memcpy(sigd, sigold, sizeof(struct packed_rrset_data));

Buffer Overflow boundcpy WrongSizeParam\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=112

Status New

The size of the buffer used by ath 11k_dp_rx_tid_del_func in rx_tid, at line 769 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath 11k_dp_rx_tid_del_func passes to rx_tid, at line 769 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	790	790
Object	rx_tid	rx_tid

Code Snippet

File Name freebsd-src-1/dp rx.c

Method static void ath11k_dp_rx_tid_del_func(struct ath11k_dp *dp, void *ctx,

790. memcpy(&elem->data, rx_tid, sizeof(*rx_tid));

Buffer Overflow boundcpy WrongSizeParam\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=113

Status New

The size of the buffer used by ath11k_htt_tlv_ppdu_stats_parse in htt_ppdu_stats_common, at line 1249 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer



overflow attack, using the source buffer that ath11k_htt_tlv_ppdu_stats_parse passes to htt ppdu stats common, at line 1249 of freebsd-src-1/dp rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1268	1268
Object	htt_ppdu_stats_common	htt_ppdu_stats_common

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

1268. sizeof(struct htt_ppdu_stats_common));

Buffer Overflow boundcpy WrongSizeParam\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=114

Status New

The size of the buffer used by ath11k_htt_tlv_ppdu_stats_parse in htt_ppdu_stats_user_rate, at line 1249 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath11k_htt_tlv_ppdu_stats_parse passes to htt ppdu stats user rate, at line 1249 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1290	1290
Object	htt_ppdu_stats_user_rate	htt_ppdu_stats_user_rate

Code Snippet

File Name freebsd-src-1/dp rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

1290. sizeof(struct htt_ppdu_stats_user_rate));

Buffer Overflow boundcpy WrongSizeParam\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=115

Status New

The size of the buffer used by ath11k_htt_tlv_ppdu_stats_parse in htt_ppdu_stats_usr_cmpltn_cmn, at line 1249 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a



buffer overflow attack, using the source buffer that ath11k_htt_tlv_ppdu_stats_parse passes to htt ppdu stats usr cmpltn cmn, at line 1249 of freebsd-src-1/dp rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1313	1313
Object	htt_ppdu_stats_usr_cmpltn_cmn	htt_ppdu_stats_usr_cmpltn_cmn

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

....
1313. sizeof(struct htt_ppdu_stats_usr_cmpltn_cmn));

Buffer Overflow boundcpy WrongSizeParam\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=116

Status New

The size of the buffer used by ath 11k_htt_tlv_ppdu_stats_parse in htt_ppdu_stats_usr_cmpltn_ack_ba_status, at line 1249 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath 11k_htt_tlv_ppdu_stats_parse passes to htt_ppdu_stats_usr_cmpltn_ack_ba_status, at line 1249 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1338	1338
Object	htt_ppdu_stats_usr_cmpltn_ack_ba_stat us	htt_ppdu_stats_usr_cmpltn_ack_ba_stat us

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static int ath11k_htt_tlv_ppdu_stats_parse(struct ath11k_base *ab,

1338. sizeof(struct htt_ppdu_stats_usr_cmpltn_ack_ba_status));

Buffer Overflow boundcpy WrongSizeParam\Path 12:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=117



The size of the buffer used by ath11k_update_per_peer_tx_stats in rate_info, at line 1395 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath11k_update_per_peer_tx_stats passes to rate_info, at line 1395 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	_	
	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1523	1523
Object	rate_info	rate_info

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method ath11k_update_per_peer_tx_stats(struct ath11k *ar,

....
1523. memcpy(&arsta->last_txrate, &arsta->txrate, sizeof(struct
rate info));

Buffer Overflow boundcpy WrongSizeParam\Path 13:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=118

Status New

The size of the buffer used by ath11k_dp_rx_h_undecap_eth in ath11k_dp_rfc1042_hdr, at line 2161 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath11k_dp_rx_h_undecap_eth passes to ath11k_dp_rfc1042_hdr, at line 2161 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2186	2186
Object	ath11k_dp_rfc1042_hdr	ath11k_dp_rfc1042_hdr

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k dp rx h undecap eth(struct ath11k *ar,

2186. sizeof(struct ath11k_dp_rfc1042_hdr));

Buffer Overflow boundcpy WrongSizeParam\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=119



The size of the buffer used by ath11k_dp_rx_deliver_msdu in known, at line 2477 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath11k_dp_rx_deliver_msdu passes to known, at line 2477 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2499	2499
Object	known	known

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_deliver_msdu(struct ath11k *ar, struct napi_struct

*napi,

2499. memcpy(he, &known, sizeof(known));

Buffer Overflow boundcpy WrongSizeParam\Path 15:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=120

Status New

The size of the buffer used by ath11k_dp_rx_mon_merg_msdus in __le16, at line 4873 of freebsd-src-1/dp_rx.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ath11k_dp_rx_mon_merg_msdus passes to __le16, at line 4873 of freebsd-src-1/dp_rx.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	4951	4951
Object	le16	le16

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method ath11k_dp_rx_mon_merg_msdus(struct ath11k *ar,

4951. (u8 *)&qos_field, sizeof(__le16));

Buffer Overflow boundcpy WrongSizeParam\Path 16:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=121



The size of the buffer used by fwctl_response in uint32_t, at line 399 of freebsd-src-1/fwctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that fwctl response passes to uint32_t, at line 399 of freebsd-src-1/fwctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/fwctl.c	freebsd-src-1/fwctl.c
Line	427	427
Object	uint32_t	uint32_t

Code Snippet

File Name freebsd-src-1/fwctl.c

Method fwctl_response(uint32_t *retval)

memcpy(retval, dp, sizeof(uint32_t));

Buffer Overflow boundcpy WrongSizeParam\Path 17:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=122

Status New

The size of the buffer used by imsg_get in ->, at line 126 of freebsd-src-1/imsg.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that imsg_get passes to ->, at line 126 of freebsd-src-1/imsg.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/imsg.c	freebsd-src-1/imsg.c
Line	135	135
Object	->	->

Code Snippet

File Name freebsd-src-1/imsq.c

Method imsg_get(struct imsgbuf *ibuf, struct imsg *imsg)

135. memcpy(&imsg->hdr, ibuf->r.buf, sizeof(imsg->hdr));

Buffer Overflow boundcpy WrongSizeParam\Path 18:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=123

Status New

The size of the buffer used by mrsas_get_seq_num in mrsas_evt_log_info, at line 566 of freebsd-src-1/mrsas.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the



source buffer that mrsas_get_seq_num passes to mrsas_evt_log_info, at line 566 of freebsd-src-1/mrsas.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	607	607
Object	mrsas_evt_log_info	mrsas_evt_log_info

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_get_seq_num(struct mrsas_softc *sc,

....
607. memcpy(eli, sc->el_info_mem, sizeof(struct
mrsas_evt_log_info));

Buffer Overflow boundcpy WrongSizeParam\Path 19:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=124

Status New

The size of the buffer used by mrsas_get_ctrl_info in mrsas_ctrl_info, at line 3607 of freebsd-src-1/mrsas.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that mrsas_get_ctrl_info passes to mrsas_ctrl_info, at line 3607 of freebsd-src-1/mrsas.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	3648	3648
Object	mrsas_ctrl_info	mrsas_ctrl_info

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_get_ctrl_info(struct mrsas_softc *sc)

3648. memcpy(sc->ctrl_info, sc->ctlr_info_mem, sizeof(struct
mrsas_ctrl_info));

Buffer Overflow boundcpy WrongSizeParam\Path 20:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=125



The size of the buffer used by mrsas_get_pd_list in ->, at line 4560 of freebsd-src-1/mrsas.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that mrsas get pd list passes to ->, at line 4560 of freebsd-src-1/mrsas.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	4645	4645
Object	->	->

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_get_pd_list(struct mrsas_softc *sc)

....
4645. memcpy(sc->pd_list, sc->local_pd_list, sizeof(sc>local pd list));

Buffer Overflow boundcpy WrongSizeParam\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=126

Status New

The size of the buffer used by opt_blk in ->, at line 1479 of freebsd-src-1/optimize.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that opt_blk passes to ->, at line 1479 of freebsd-src-1/optimize.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	1511	1511
Object	->	->

Code Snippet

File Name freebsd-src-1/optimize.c

Method opt_blk(opt_state_t *opt_state, struct block *b, int do_stmts)

....
1511. memcpy((char *)b->val, (char *)p->pred->val, sizeof(b>val));

Buffer Overflow boundcpy WrongSizeParam\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=127



The size of the buffer used by decode_udp_ip_header in ->, at line 165 of freebsd-src-1/packet.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that decode_udp_ip_header passes to ->, at line 165 of freebsd-src-1/packet.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/packet.c	freebsd-src-1/packet.c
Line	248	248
Object	->	->

Code Snippet

File Name freebsd-src-1/packet.c

Method decode_udp_ip_header(unsigned char *buf, int bufix, struct sockaddr_in *from,

```
....
248. memcpy(&from->sin_port, &udp->uh_sport, sizeof(udp-
>uh_sport));
```

Buffer Overflow boundcpy WrongSizeParam\Path 23:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=128

Status New

The size of the buffer used by assemble_hw_header in Namespace862862795, at line 94 of freebsd-src-1/packet.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that assemble_hw_header passes to Namespace862862795, at line 94 of freebsd-src-1/packet.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/packet.c	freebsd-src-1/packet.c
Line	102	102
Object	Namespace862862795	Namespace862862795

Code Snippet

File Name freebsd-src-1/packet.c

Method assemble hw header(struct interface info *interface, unsigned char *buf,

102. sizeof(eh.ether_shost));

Buffer Overflow boundcpy WrongSizeParam\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=129



The size of the buffer used by assemble_udp_ip_header in ip, at line 113 of freebsd-src-1/packet.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that assemble_udp_ip_header passes to ip, at line 113 of freebsd-src-1/packet.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/packet.c	freebsd-src-1/packet.c
Line	132	132
Object	ip	ip

Code Snippet

File Name freebsd-src-1/packet.c

Method assemble_udp_ip_header(unsigned char *buf, int *bufix, u_int32_t from,

132. memcpy(&buf[*bufix], &ip, sizeof(ip));

Buffer Overflow boundcpy WrongSizeParam\Path 25:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=130

Status New

The size of the buffer used by assemble_udp_ip_header in udp, at line 113 of freebsd-src-1/packet.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that assemble_udp_ip_header passes to udp, at line 113 of freebsd-src-1/packet.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/packet.c	freebsd-src-1/packet.c
Line	145	145
Object	udp	udp

Code Snippet

File Name freebsd-src-1/packet.c

Method assemble_udp_ip_header(unsigned char *buf, int *bufix, u_int32_t from,

memcpy(&buf[*bufix], &udp, sizeof(udp));

Buffer Overflow boundcpy WrongSizeParam\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=131



The size of the buffer used by decode_hw_header in Namespace862862795, at line 150 of freebsd-src-1/packet.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that decode_hw_header passes to Namespace862862795, at line 150 of freebsd-src-1/packet.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/packet.c	freebsd-src-1/packet.c
Line	156	156
Object	Namespace862862795	Namespace862862795

Code Snippet

File Name freebsd-src-1/packet.c

Method decode_hw_header(unsigned char *buf, int bufix, struct hardware *from)

....
156. memcpy(from->haddr, eh.ether_shost, sizeof(eh.ether_shost));

Buffer Overflow boundcpy WrongSizeParam\Path 27:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=132

Status New

The size of the buffer used by on_write_request_process in timeval, at line 398 of freebsd-src-1/query.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that on_write_request_process passes to timeval, at line 398 of freebsd-src-1/query.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/query.c	freebsd-src-1/query.c
Line	456	456
Object	timeval	timeval

Code Snippet

File Name freebsd-src-1/query.c

Method on_write_request_process(struct query_state *qstate)

456. sizeof(struct timeval));

Buffer Overflow boundcpy WrongSizeParam\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=133



The size of the buffer used by on_negative_write_request_process in timeval, at line 471 of freebsd-src-1/query.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that on_negative_write_request_process passes to timeval, at line 471 of freebsd-src-1/query.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/query.c	freebsd-src-1/query.c
Line	537	537
Object	timeval	timeval

Code Snippet

File Name freebsd-src-1/query.c

Method on_negative_write_request_process(struct query_state *qstate)

537.
sizeof(struct timeval));

Buffer Overflow boundcpy WrongSizeParam\Path 29:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=134

Status New

The size of the buffer used by on_read_request_process in timeval, at line 660 of freebsd-src-1/query.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that on_read_request_process passes to timeval, at line 660 of freebsd-src-1/query.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/query.c	freebsd-src-1/query.c
Line	816	816
Object	timeval	timeval

Code Snippet

File Name freebsd-src-1/query.c

Method on_read_request_process(struct query_state *qstate)

816. sizeof(struct timeval));

Buffer Overflow boundcpy WrongSizeParam\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=135



The size of the buffer used by sctp_connectx in sockaddr_in, at line 104 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_connectx passes to sockaddr_in, at line 104 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	134	134
Object	sockaddr_in	sockaddr_in

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_connectx(int sd, const struct sockaddr *addrs, int addrcnt,

....
134. memcpy(cpto, at, sizeof(struct sockaddr_in));

Buffer Overflow boundcpy WrongSizeParam\Path 31:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=136

Status New

The size of the buffer used by sctp_connectx in sockaddr_in6, at line 104 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_connectx passes to sockaddr_in6, at line 104 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	149	149
Object	sockaddr_in6	sockaddr_in6

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_connectx(int sd, const struct sockaddr *addrs, int addrcnt,

149. memcpy(cpto, at, sizeof(struct
sockaddr_in6));

Buffer Overflow boundcpy WrongSizeParam\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=137



The size of the buffer used by sctp_recvv in sctp_rcvinfo, at line 877 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_recvv passes to sctp_rcvinfo, at line 877 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	954	954
Object	sctp_rcvinfo	sctp_rcvinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_recvv(int sd,

....
954. memcpy(info, rcvinfo, sizeof(struct
sctp rcvinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 33:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=138

Status New

The size of the buffer used by sctp_recvv in sctp_nxtinfo, at line 877 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_recvv passes to sctp_nxtinfo, at line 877 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	960	960
Object	sctp_nxtinfo	sctp_nxtinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_recvv(int sd,

memcpy(info, nxtinfo, sizeof(struct

sctp_nxtinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=139



The size of the buffer used by sctp_sendv in sctp_sndinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_sndinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1027	1027
Object	sctp_sndinfo	sctp_sndinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

....
1027. memcpy(CMSG_DATA(cmsg), info, sizeof(struct
sctp sndinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 35:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=140

Status New

The size of the buffer used by sctp_sendv in sctp_prinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_prinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1041	1041
Object	sctp_prinfo	sctp_prinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

1041. memcpy(CMSG_DATA(cmsg), info, sizeof(struct
sctp_prinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=141



Status New

The size of the buffer used by sctp_sendv in sctp_authinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_authinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1054	1054
Object	sctp_authinfo	sctp_authinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

1054. memcpy(CMSG_DATA(cmsg), info, sizeof(struct
sctp_authinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 37:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=142

Status New

The size of the buffer used by sctp_sendv in sctp_sndinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_sndinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1069	1069
Object	sctp_sndinfo	sctp_sndinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

....
1069. memcpy(CMSG_DATA(cmsg), &spa_info>sendv_sndinfo, sizeof(struct sctp_sndinfo));

Buffer Overflow boundcpy WrongSizeParam\Path 38:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



878	pathi	d = 143
-----	-------	---------

Status New

The size of the buffer used by sctp_sendv in sctp_prinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_prinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1078	1078
Object	sctp_prinfo	sctp_prinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

```
1078. memcpy(CMSG_DATA(cmsg), &spa_info->sendv_prinfo,
sizeof(struct sctp_prinfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 39:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=144

Status New

The size of the buffer used by sctp_sendv in sctp_authinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to sctp_authinfo, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1086	1086
Object	sctp_authinfo	sctp_authinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

```
....
1086. memcpy(CMSG_DATA(cmsg), &spa_info-
>sendv_authinfo, sizeof(struct sctp_authinfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 40:

Severity Medium

Result State To Verify
Online Results http://win-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=145

Status New

The size of the buffer used by sctp_sendv in in_addr, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to in_addr, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1117	1117
Object	in_addr	in_addr

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

....
1117. memcpy(CMSG_DATA(cmsg), &addr_in>sin_addr, sizeof(struct in_addr));

Buffer Overflow boundcpy WrongSizeParam\Path 41:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=146

Status New

The size of the buffer used by sctp_sendv in in6_addr, at line 970 of freebsd-src-1/sctp_sys_calls.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that sctp_sendv passes to in6_addr, at line 970 of freebsd-src-1/sctp_sys_calls.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	1142	1142
Object	in6_addr	in6_addr

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendv(int sd,

....
1142. memcpy(CMSG_DATA(cmsg), &addr_in6>sin6_addr, sizeof(struct in6_addr));

Buffer Overflow boundcpy WrongSizeParam\Path 42:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=147

Status New

The size of the buffer used by xgbe_set_rss_hash_key in ->, at line 411 of freebsd-src-1/xgbe-dev.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xgbe_set_rss_hash_key passes to ->, at line 411 of freebsd-src-1/xgbe-dev.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/xgbe-dev.c	freebsd-src-1/xgbe-dev.c
Line	413	413
Object	->	->

Code Snippet

File Name freebsd-src-1/xgbe-dev.c

Method xgbe_set_rss_hash_key(struct xgbe_prv_data *pdata, const uint8_t *key)

413. memcpy(pdata->rss_key, key, sizeof(pdata->rss_key));

Buffer Overflow boundcpy WrongSizeParam\Path 43:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=148

Status New

The size of the buffer used by lzh_read_blocks in Namespace1599128780, at line 2120 of freebsd-src-1/archive_read_support_format_lha.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that lzh_read_blocks passes to Namespace1599128780, at line 2120 of freebsd-src-1/archive read support format lha.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2206	2206
Object	Namespace1599128780	Namespace1599128780

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c
Method lzh_read_blocks(struct lzh_stream *strm, int last)

memset(ds->pt.freq, 0, sizeof(ds->pt.freq));

Buffer Overflow boundcpy WrongSizeParam\Path 44:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=149

Status New

The size of the buffer used by lzh_read_blocks in Namespace1599128780, at line 2120 of freebsd-src-1/archive_read_support_format_lha.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that lzh_read_blocks passes to Namespace1599128780, at line 2120 of freebsd-src-1/archive read support format lha.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	2283	2283
Object	Namespace1599128780	Namespace1599128780

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c
Method lzh_read_blocks(struct lzh_stream *strm, int last)

2283. memset(ds->lt.freq, 0, sizeof(ds->lt.freq));

Buffer Overflow boundcpy WrongSizeParam\Path 45:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=150

Status New

The size of the buffer used by read header in ->, at line 1358 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read_header passes to ->, at line 1358 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

_		
	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1416	1416
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

....
1416. memset(&rar->salt, 0, sizeof(rar->salt));

Buffer Overflow boundcpy WrongSizeParam\Path 46:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=151

Status New

The size of the buffer used by read header in ->, at line 1358 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read_header passes to ->, at line 1358 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1763	1763
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

1763. memset(rar->lengthtable, 0, sizeof(rar->lengthtable));

Buffer Overflow boundcpy WrongSizeParam\Path 47:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=152

Status New

The size of the buffer used by parse codes in ->, at line 2234 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that parse_codes passes to ->, at line 2234 of freebsd-src-1/archive_read_support_format_rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2346	2346
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2346. memset(rar->lengthtable, 0, sizeof(rar->lengthtable));

Buffer Overflow boundcpy WrongSizeParam\Path 48:



Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=153

Status New

The size of the buffer used by free codes in ->, at line 2512 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that free_codes passes to ->, at line 2512 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2523	2523
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method free_codes(struct archive_read *a)

2523. memset(&rar->maincode, 0, sizeof(rar->maincode));

Buffer Overflow boundcpy WrongSizeParam\Path 49:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=154

Status New

The size of the buffer used by free codes in ->, at line 2512 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that free_codes passes to ->, at line 2512 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2524	2524
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method free_codes(struct archive_read *a)

....
2524. memset(&rar->offsetcode, 0, sizeof(rar->offsetcode));



Buffer Overflow boundcpy WrongSizeParam\Path 50:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=155

Status New

The size of the buffer used by free codes in ->, at line 2512 of freebsd-src-

1/archive_read_support_format_rar.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that free_codes passes to ->, at line 2512 of freebsd-src-1/archive read support format rar.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2525	2525
Object	->	->

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method free_codes(struct archive_read *a)

2525. memset(&rar->lowoffsetcode, 0, sizeof(rar->lowoffsetcode));

Memory Leak

Query Path:

CPP\Cx\CPP Medium Threat\Memory Leak Version:1

Categories

NIST SP 800-53: SC-5 Denial of Service Protection (P1)

Description

Memory Leak\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=938

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7144	7144
Object	result	result

Code Snippet

File Name freebsd-src-1/authzone.c

Method dup_all(char* str)



....
7144. char* result = strdup(str);

Memory Leak\Path 2:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=939

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	72	72
Object	ipsecmod_env	ipsecmod_env

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_init(struct module_env* env, int id)

....
72. struct ipsecmod_env* ipsecmod_env = (struct ipsecmod_env*)calloc(1,

Memory Leak\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=940

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	1869	1869
Object	ds	ds

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c

Method | Izh_decode_init(struct Izh_stream *strm, const char *method)

1869. strm->ds = calloc(1, sizeof(*strm->ds));

Memory Leak\Path 4:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=941

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	1896	1896
Object	w_buff	w_buff

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c

Method | Izh_decode_init(struct Izh_stream *strm, const char *method)

1896. $ds->w_buff = malloc(ds->w_size);$

Memory Leak\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=942

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	822	822
Object	value	value

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method add_option(struct archive_read *a, struct mtree_option **global,

.... 822. if ((opt->value = malloc(len + 1)) == NULL) {

Memory Leak\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=943



	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	929	929
Object	entry	entry

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method process_add_entry(struct archive_read *a, struct mtree *mtree,

```
929. if ((entry = malloc(sizeof(*entry))) == NULL) {
```

Memory Leak\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=944

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	982	982
Object	name	name

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method process_add_entry(struct archive_read *a, struct mtree *mtree,

```
982. if ((entry->name = malloc(name_len + 1)) == NULL) {
```

Memory Leak\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=945

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1890	1890



Object buff buff

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method read_data(struct archive_read *a, const void **buff, size_t *size,

1890. mtree->buff = malloc(mtree->buffsize);

Memory Leak\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=946

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1688	1688
Object	dbo	dbo

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method read_header(struct archive_read *a, struct archive_entry *entry,

1688. if ((rar->dbo = calloc(1, sizeof(*rar->dbo))) == NULL)

Memory Leak\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=947

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2774	2774
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method make_table(struct archive_read *a, struct huffman_code *code)



.... 2774. code->table =

Memory Leak\Path 11:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=948

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3100	3100
Object	unp_buffer	unp_buffer

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method copy_from_lzss_window_to_unp(struct archive_read *a, const void **buffer,

if ((rar->unp_buffer = malloc(rar->unp_buffer_size)) == NULL)

Memory Leak\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=949

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3317	3317
Object	filter	filter

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method create_filter(struct rar_program_code *prog, const uint8_t *globaldata, uint32_t

globaldatalen, uint32_t registers[8], size_t startpos, uint32_t length)

3317. filter = calloc(1, sizeof(*filter));

Memory Leak\Path 13:



Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=950

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3322	3322
Object	globaldata	globaldata

Code Snippet

File Name

 $freebsd\text{-}src\text{-}1/archive_read_support_format_rar.c$

Method create_filter(struct rar_program_code *prog, const uint8_t *globaldata, uint32_t

globaldatalen, uint32_t registers[8], size_t startpos, uint32_t length)

....
3322. filter->globaldata = calloc(1, filter->globaldatalen);

Memory Leak\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=951

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3383	3383
Object	vm	vm

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method run filters(struct archive read *a)

3383. filters->vm = calloc(1, sizeof(*filters->vm));

Memory Leak\Path 15:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=952



	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3446	3446
Object	prog	prog

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c
Method compile_program(const uint8_t *bytes, size_t length)

3446. prog = calloc(1, sizeof(*prog));

Memory Leak\Path 16:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=953

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3454	3454
Object	staticdata	staticdata

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c
Method compile_program(const uint8_t *bytes, size_t length)

....
3454. prog->staticdata = malloc(prog->staticdatalen);

Memory Leak\Path 17:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=954

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	566	566



Object zonefile zonefile

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_set_zonefile(struct auth_zone* z, char* zonefile)

566. z->zonefile = strdup(zonefile);

Memory Leak\Path 18:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=955

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	801	801
Object	d	d

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,

801. d = (struct packed_rrset_data*)calloc(1,
packed rrset sizeof(old)

Memory Leak\Path 19:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=956

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	954	954
Object	d	d

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,



Memory Leak\Path 20:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=957

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1017	1017
Object	sigd	sigd

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

....
1017. sigd = (struct packed_rrset_data*)calloc(1,
packed rrset sizeof(sigold)

Memory Leak\Path 21:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=958

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5626	5626
Object	a	a

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_master_add_addrs(struct auth_master* m, struct ub_packed_rrset_key*

rrset,

.... a = (struct auth_addr*)calloc(1, sizeof(*a));

Memory Leak\Path 22:



Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=959

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7111	7111
Object	m	m

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_master_new(struct auth_master*** list)

7111. m = (struct auth_master*)calloc(1, sizeof(*m));

Memory Leak\Path 23:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=960

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7258	7258
Object	host	host

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfer_set_masters(struct auth_master** list, struct config_auth* c,

7258. m->host = strdup(p->str);

Memory Leak\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=961

Status New

Source Destination



File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7268	7268
Object	host	host

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfer_set_masters(struct auth_master** list, struct config_auth* c,

7268. m->host = strdup(p->str);

Memory Leak\Path 25:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=962

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	239	239
Object	sc	sc

Code Snippet

File Name freebsd-src-1/channels.c

Method channel init channels(struct ssh *ssh)

.... 239. if ((sc = calloc(1, sizeof(*sc))) == NULL)

Memory Leak\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=963

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2482	2482
Object	pre	pre

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)



```
....
2482. if ((pre = calloc(SSH_CHANNEL_MAX_TYPE, sizeof(*pre))) ==
NULL ||
```

Memory Leak\Path 27:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=964

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2483	2483
Object	post	post

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

color = calloc(SSH_CHANNEL_MAX_TYPE, sizeof(*post))) ==
NULL)

Memory Leak\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=965

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	499	499
Object	data	data

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method dump_regs(int argc, char *argv[], int start_arg, const char *iff_name)

499. if ((regs.data = malloc(regs.len)) == NULL)

Memory Leak\Path 29:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=966

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	618	618
Object	data	data

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method meminfo(int argc, char *argv[], int start_arg, const char *iff_name)

if ((regs.data = malloc(regs.len)) == NULL)

Memory Leak\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=967

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1004	1004
Object	buf	buf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_fw(int argc, char *argv[], int start_arg, const char *iff_name)

....
1004. op.buf = malloc(MAX FW IMAGE SIZE + 1);

Memory Leak\Path 31:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=968

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c



Line	1038	1038
Object	buf	buf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_boot(int argc, char *argv[], int start_arg, const char *iff_name)

....
1038. op.buf = malloc(MAX_BOOT_IMAGE_SIZE + 1);

Memory Leak\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=969

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1575	1575
Object	data	data

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method get_up_la(int argc, char *argv[], int start_arg, const char *iff_name)

1575. la.data = malloc(la.bufsize);

Memory Leak\Path 33:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=970

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1609	1609
Object	data	data

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method get_up_ioqs(int argc, char *argv[], int start_arg, const char *iff_name)



ioqs.data = malloc(IOQS_BUFSIZE);

Memory Leak\Path 34:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=971

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	816	816
Object	realm	realm

Code Snippet

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

816.

cs->challenges[cs->count]->realm =

Memory Leak\Path 35:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=972

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	819	819
Object	qop	qop

Code Snippet

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

819.

cs->challenges[cs->count]->qop =

Memory Leak\Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=973

Status New

Source Destination

File freebsd-src-1/http.c freebsd-src-1/http.c

Line 822 822

Object nonce nonce

Code Snippet

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

022

822. cs->challenges[cs->count]->nonce =

Memory Leak\Path 37:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=974

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	825	825
Object	opaque	opaque

Code Snippet

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

. . . .

825. cs->challenges[cs->count]->opaque =

Memory Leak\Path 38:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=975

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	828	828



Object algo algo

Code Snippet

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

cs->challenges[cs->count]->algo = 828.

Memory Leak\Path 39:

Medium Severity Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=976

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	982	982
Object	str	str

Code Snippet

File Name freebsd-src-1/http.c

Method http base64(const char *src)

> if ((str = malloc(((1 + 2) / 3) * 4 + 1)) == NULL)982.

Memory Leak\Path 40:

Severity Medium Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=977

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1069	1069
Object	scheme	scheme

Code Snippet

File Name freebsd-src-1/http.c

Method http_authfromenv(const char *p, http_auth_params_t *parms)



```
if ((parms->scheme = strdup(v)) == NULL) {
```

Memory Leak\Path 41:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=978

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1079	1079
Object	realm	realm

Code Snippet

File Name freebsd-src-1/http.c

Method http_authfromenv(const char *p, http_auth_params_t *parms)

1079. if ((parms->realm = strdup(v)) == NULL) {

Memory Leak\Path 42:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=979

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1089	1089
Object	user	user

Code Snippet

File Name freebsd-src-1/http.c

Method http_authfromenv(const char *p, http_auth_params_t *parms)

1089. if ((parms->user = strdup(v)) == NULL) {

Memory Leak\Path 43:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=980

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1096	1096
Object	password	password

Code Snippet

File Name freebsd-src-1/http.c

Method http_authfromenv(const char *p, http_auth_params_t *parms)

.... 1096. if ((parms->password = strdup(v)) == NULL) {

Memory Leak\Path 44:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=981

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1262	1262
Object	algo	algo

Code Snippet

File Name freebsd-src-1/http.c

Method http_digest_auth(conn_t *conn, const char *hdr, http_auth_challenge_t *c,

....
1262. c->algo = strdup("");

Memory Leak\Path 45:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=982

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1270	1270



Object qop qop

Code Snippet

File Name freebsd-src-1/http.c

Method http_digest_auth(conn_t *conn, const char *hdr, http_auth_challenge_t *c,

1270. c->qop = strdup("");

Memory Leak\Path 46:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=983

Status New

	Source	Destination
File	freebsd-src-1/imsg.c	freebsd-src-1/imsg.c
Line	147	147
Object	data	data

Code Snippet

File Name freebsd-src-1/imsg.c

Method imsg_get(struct imsgbuf *ibuf, struct imsg *imsg)

147. else if ((imsg->data = malloc(datalen)) == NULL)

Memory Leak\Path 47:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=984

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1608	1608
Object	sort_buf	sort_buf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)



```
....
1608. if ((sort_buf = calloc(2 * (g_nrecs + 1),
```

Memory Leak\Path 48:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=985

Status New

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2429	2429
Object	ctrl_info	ctrl_info

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_init_fw(struct mrsas_softc *sc)

2429. sc->ctrl_info = malloc(sizeof(struct mrsas_ctrl_info), M_MRSAS, M_NOWAIT);

Memory Leak\Path 49:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=986

Status New

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2480	2480
Object	streamDetectByLD	streamDetectByLD

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_init_fw(struct mrsas_softc *sc)

2480. sc->streamDetectByLD =
malloc(sizeof(PTR_LD_STREAM_DETECT) *

Memory Leak\Path 50:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=987

Status New

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2834	2834
Object	req_desc	req_desc

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_alloc_mpt_cmds(struct mrsas_softc *sc)

....
2834. sc->req_desc = malloc(sc->request_alloc_sz, M_MRSAS,
M NOWAIT);

Use of Zero Initialized Pointer

Ouerv Path:

CPP\Cx\CPP Medium Threat\Use of Zero Initialized Pointer Version:1

Categories

NIST SP 800-53: SC-5 Denial of Service Protection (P1)

Description

Use of Zero Initialized Pointer\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1161

Status New

The variable declared in b at freebsd-src-1/a_d2i_fp.c in line 37 is not initialized when it is used by b at freebsd-src-1/a_d2i_fp.c in line 37.

	Source	Destination
File	freebsd-src-1/a_d2i_fp.c	freebsd-src-1/a_d2i_fp.c
Line	39	48
Object	b	b

Code Snippet

File Name freebsd-src-1/a_d2i_fp.c

Method void *ASN1_d2i_bio(void *(*xnew) (void), d2i_of_void *d2i, BIO *in, void **x)



```
....
39. BUF_MEM *b = NULL;
....
48. p = (unsigned char *)b->data;
```

Use of Zero Initialized Pointer\Path 2:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1162

Status New

The variable declared in b at freebsd-src-1/a_d2i_fp.c in line 57 is not initialized when it is used by b at freebsd-src-1/a d2i fp.c in line 57.

	Source	Destination
File	freebsd-src-1/a_d2i_fp.c	freebsd-src-1/a_d2i_fp.c
Line	59	68
Object	b	b

Code Snippet

File Name freebsd-src-1/a_d2i_fp.c

Method void *ASN1_item_d2i_bio(const ASN1_ITEM *it, BIO *in, void *x)

59. BUF_MEM *b = NULL;
....
68. p = (const unsigned char *)b->data;

Use of Zero Initialized Pointer\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1163

Status New

The variable declared in delete_list at freebsd-src-1/authzone.c in line 2201 is not initialized when it is used by delete_list at freebsd-src-1/authzone.c in line 2201.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2204	2214
Object	delete_list	delete_list

Code Snippet

File Name freebsd-src-1/authzone.c

Method az_delete_deleted_zones(struct auth_zones* az)



```
....
2204. struct auth_zone* delete_list = NULL, *next;
....
2214. delete_list = z;
```

Use of Zero Initialized Pointer\Path 4:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1164

Status New

The variable declared in cp at freebsd-src-1/authzone.c in line 5443 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5474	5497
Object	ср	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5474. xfr->task transfer->cp = NULL;

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1165

Status New

The variable declared in next at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3978	5497
Object	next	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)



....
3978. m->next = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1166

Status New

The variable declared in list at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	5497
Object	list	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

3968. struct auth_master* list = NULL, *last = NULL;

y

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1167

Status New



The variable declared in scan_specific at freebsd-src-1/authzone.c in line 4137 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4149	5497
Object	scan_specific	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_nextmaster(struct auth_xfer* xfr)

4149. xfr->task_transfer->scan_specific = NULL;

₩.

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 8:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1168

Status New

The variable declared in scan_specific at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4066	5497
Object	scan_specific	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

4066. xfr->task_transfer->scan_specific = NULL;

¥

File Name freebsd-src-1/authzone.c



Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)
....
5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1169

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 3990 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3993	5497
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_lookups(struct auth_xfer* xfr)

3993. xfr->task_transfer->scan_addr = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 10:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1170

Status New

The variable declared in scan_target at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c



Line	4057	5497
Object	scan_target	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

٧

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 11:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1171

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4058	5497
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

....
4058. xfr->task_transfer->scan_addr = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(



Use of Zero Initialized Pointer\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1172

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4067	5497
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

4067. xfr->task_transfer->scan_addr = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr transfer init fetch(struct auth xfer* xfr, struct module env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1173

Status New

The variable declared in worker at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6321	5497
Object	worker	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)



6321. xfr->task_probe->worker = NULL;

₩...

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1174

Status New

The variable declared in cp at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6319	5497
Object	ср	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6319. xfr->task_probe->cp = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 15:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1175

Status New



The variable declared in env at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6322	5497
Object	env	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6322. xfr->task_probe->env = NULL;

₩.

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 16:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1176

Status New

The variable declared in timer at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6316	5497
Object	timer	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6316. xfr->task_probe->timer = NULL;

¥

File Name freebsd-src-1/authzone.c



Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)
....
5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 17:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1177

Status New

The variable declared in next at freebsd-src-1/authzone.c in line 6023 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6029	5497
Object	next	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfer_link_data(sldns_buffer* pkt, struct auth_xfer* xfr)

6029. e->next = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5497. xfr->task_transfer->cp = outnet_comm_point_for_http(

Use of Zero Initialized Pointer\Path 18:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1178

Status New

The variable declared in cp at freebsd-src-1/authzone.c in line 5443 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c



Line	5474	5529
Object	ср	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 19:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1179

Status New

The variable declared in auth_name at freebsd-src-1/authzone.c in line 5443 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5448	5529
Object	auth_name	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

```
char *auth_name = NULL;

for the standard for the st
```

Use of Zero Initialized Pointer\Path 20:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1180

Status New

The variable declared in next at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.



	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3978	5529
Object	next	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

3978. m->next = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

....
5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1181

Status New

The variable declared in list at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	5529
Object	list	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

....
3968. struct auth_master* list = NULL, *last = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)



....
5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env->outnet,

Use of Zero Initialized Pointer\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1182

Status New

The variable declared in scan_specific at freebsd-src-1/authzone.c in line 4137 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4149	5529
Object	scan_specific	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_nextmaster(struct auth_xfer* xfr)

....
4149. xfr->task_transfer->scan_specific = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 23:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1183

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 3990 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c



Line	3993	5529
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_lookups(struct auth_xfer* xfr)

3993. xfr->task_transfer->scan_addr = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1184

Status New

The variable declared in scan_target at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4057	5529
Object	scan_target	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr transfer start list(struct auth xfer* xfr, struct auth master* spec)

4057. xfr->task_transfer->scan_target = NULL;

٧

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,



Use of Zero Initialized Pointer\Path 25:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1185

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4058	5529
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

....
4058. xfr->task_transfer->scan_addr = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1186

Status New

The variable declared in scan_specific at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4066	5529
Object	scan_specific	ср

Code Snippet



File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

.... 4066. xfr->task transfer->scan specific = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr transfer init fetch(struct auth xfer* xfr, struct module env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 27:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1187

Status New

The variable declared in scan_addr at freebsd-src-1/authzone.c in line 4051 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	4067	5529
Object	scan_addr	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_start_list(struct auth_xfer* xfr, struct auth_master* spec)

4067. xfr->task_transfer->scan_addr = NULL;

٧

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env->outnet,

Use of Zero Initialized Pointer\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1188

Status New

The variable declared in env at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6322	5529
Object	env	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6322. xfr->task_probe->env = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 29:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1189

Status New

The variable declared in timer at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6316	5529
Object	timer	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)



```
.... 6316. xfr->task probe->timer = NULL;
```

¥

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

Use of Zero Initialized Pointer\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1190

Status New

The variable declared in cp at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6319	5529
Object	ср	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

.... 6319. xfr->task_probe->cp = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 31:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1191



Status New

The variable declared in worker at freebsd-src-1/authzone.c in line 6312 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6321	5529
Object	worker	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6321. xfr->task_probe->worker = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

5529. xfr->task_transfer->cp = outnet_comm_point_for_tcp(env>outnet,

Use of Zero Initialized Pointer\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1192

Status New

The variable declared in next at freebsd-src-1/authzone.c in line 6023 is not initialized when it is used by cp at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6029	5529
Object	next	ср

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfer_link_data(sldns_buffer* pkt, struct auth_xfer* xfr)

6029. e->next = NULL;



File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

....

5529. xfr->task transfer->cp = outnet comm point for tcp(env-

Use of Zero Initialized Pointer\Path 33:

>outnet,

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1193

Status New

The variable declared in auth_name at freebsd-src-1/authzone.c in line 5443 is not initialized when it is used by auth_name at freebsd-src-1/authzone.c in line 5443.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5448	5532
Object	auth_name	auth_name

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_init_fetch(struct auth_xfer* xfr, struct module_env* env)

char *auth_name = NULL;
auth_name != NULL, auth_name);

Use of Zero Initialized Pointer\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1194

Status New

The variable declared in ctype at freebsd-src-1/channels.c in line 3074 is not initialized when it is used by remote name at freebsd-src-1/channels.c in line 450.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3079	498
Object	ctype	remote_name



```
Code Snippet
```

File Name

freebsd-src-1/channels.c

Method

channel_proxy_downstream(struct ssh *ssh, Channel *downstream)

```
....
3079. char *ctype = NULL, *listen_host = NULL;
```

A

File Name freebsd-src-1/channels.c

Method channel_new(struct ssh *ssh, char *ctype, int type, int rfd, int wfd, int efd,

```
498. c->remote_name = xstrdup(remote_name);
```

Use of Zero Initialized Pointer\Path 35:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1195

Status New

The variable declared in addr at freebsd-src-1/channels.c in line 3667 is not initialized when it is used by listening_addr at freebsd-src-1/channels.c in line 3721.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3670	3864
Object	addr	listening_addr

Code Snippet

File Name

freebsd-src-1/channels.c

Method channel_fwd_bind_addr(struct ssh *ssh, const char *listen_addr, int *wildcardp,

```
.... 3670. const char *addr = NULL;
```

A

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

```
....
3864. c->listening_addr = addr == NULL ? NULL :
xstrdup(addr);
```

Use of Zero Initialized Pointer\Path 36:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1196

Status New

The variable declared in tkey at freebsd-src-1/cms_enc.c in line 23 is not initialized when it is used by key at freebsd-src-1/cms_enc.c in line 23.

	Source	Destination
File	freebsd-src-1/cms_enc.c	freebsd-src-1/cms_enc.c
Line	104	126
Object	tkey	key

Code Snippet

File Name freebsd-src-1/cms_enc.c

Method BIO *cms_EncryptedContent_init_bio(CMS_EncryptedContentInfo *ec)

```
104. tkey = NULL;
....
126. ec->key = tkey;
```

Use of Zero Initialized Pointer\Path 37:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1197

Status New

The variable declared in tkey at freebsd-src-1/cms_enc.c in line 23 is not initialized when it is used by key at freebsd-src-1/cms_enc.c in line 23.

	Source	Destination
File	freebsd-src-1/cms_enc.c	freebsd-src-1/cms_enc.c
Line	30	126
Object	tkey	key

Code Snippet

File Name freebsd-src-1/cms_enc.c

Method BIO *cms_EncryptedContent_init_bio(CMS_EncryptedContentInfo *ec)

```
....
30. unsigned char *tkey = NULL;
....
126. ec->key = tkey;
```

Use of Zero Initialized Pointer\Path 38:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1198

Status New

The variable declared in ret at freebsd-src-1/ec_asn1.c in line 585 is not initialized when it is used by ret at freebsd-src-1/ec_asn1.c in line 585.

	Source	Destination
File	freebsd-src-1/ec_asn1.c	freebsd-src-1/ec_asn1.c
Line	588	764
Object	ret	ret

Code Snippet

File Name

freebsd-src-1/ec_asn1.c

Method

EC_GROUP *EC_GROUP_new_from_ecparameters(const ECPARAMETERS

*params)

```
588. EC_GROUP *ret = NULL, *dup = NULL;
....
764. OPENSSL_free(ret->seed);
```

Use of Zero Initialized Pointer\Path 39:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1199

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	951
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method

hx509_general_name_unparse(GeneralName *name, char **str)

```
....
940. struct rk_strpool *strpool = NULL;
....
951. strpool = rk_strpoolprintf(strpool, "otherName: %s", oid);
```

Use of Zero Initialized Pointer\Path 40:

Severity

Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1200

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	956
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

```
....
940.    struct rk_strpool *strpool = NULL;
....
956.    strpool = rk_strpoolprintf(strpool, "rfc822Name: %.*s\n",
```

Use of Zero Initialized Pointer\Path 41:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1201

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	961
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

Use of Zero Initialized Pointer\Path 42:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1202

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	974
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

Use of Zero Initialized Pointer\Path 43:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1203

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	979
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

```
940. struct rk_strpool *strpool = NULL;
....
979. strpool = rk_strpoolprintf(strpool, "URI: %.*s",
```

Use of Zero Initialized Pointer\Path 44:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1204

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	986
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

```
940. struct rk_strpool *strpool = NULL;
986. strpool = rk_strpoolprintf(strpool, "IPAddress: ");
```

Use of Zero Initialized Pointer\Path 45:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1205

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 938 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 938.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	940	1013
Object	strpool	strpool

Code Snippet

File Name

freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

Use of Zero Initialized Pointer\Path 46:



Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1206

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 729 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 729.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	758	792
Object	strpool	strpool

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_name_expand(hx509_context context,

758. struct rk_strpool *strpool = NULL;
792. strpool = rk_strpoolprintf(strpool, "%s", value);

Use of Zero Initialized Pointer\Path 47:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1207

Status New

The variable declared in strpool at freebsd-src-1/name.c in line 729 is not initialized when it is used by strpool at freebsd-src-1/name.c in line 729.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	758	766
Object	strpool	strpool

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_name_expand(hx509_context context,

Use of Zero Initialized Pointer\Path 48:



Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1208

Status New

The variable declared in reqbuf at freebsd-src-1/phttpget.c in line 293 is not initialized when it is used by reqbuf at freebsd-src-1/phttpget.c in line 293.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	426	441
Object	reqbuf	reqbuf

Code Snippet

File Name Method

freebsd-src-1/phttpget.c
main(int argc, char *argv[])

426. reqbuf = NULL;

len = send(sd, reqbuf + reqbufpos,

Use of Zero Initialized Pointer\Path 49:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1209

Status New

The variable declared in reqbuf at freebsd-src-1/phttpget.c in line 293 is not initialized when it is used by reqbuf at freebsd-src-1/phttpget.c in line 293.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	448	441
Object	reqbuf	reqbuf

Code Snippet

File Name freebsd-src-1/phttpget.c
Method main(int argc, char *argv[])

```
reqbuf = NULL;

len = send(sd, reqbuf + reqbufpos,
```

Use of Zero Initialized Pointer\Path 50:



Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1210

Status New

The variable declared in reqbuf at freebsd-src-1/phttpget.c in line 293 is not initialized when it is used by reqbuf at freebsd-src-1/phttpget.c in line 293.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	305	441
Object	reqbuf	reqbuf

Code Snippet

File Name freebsd-src-1/phttpget.c
Method main(int argc, char *argv[])

char * reqbuf = NULL; /* Request buffer */
len = send(sd, reqbuf + reqbufpos,

MemoryFree on StackVariable

Query Path:

CPP\Cx\CPP Medium Threat\MemoryFree on StackVariable Version:0

Description

MemoryFree on StackVariable\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=368

Status New

Calling free() (line 1673) on a variable that was not dynamically allocated (line 1673) in file freebsd-src-1/archive_read_support_format_lha.c may result with a crash.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	1683	1683
Object	lha	lha

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c

Method archive read format lha cleanup(struct archive read *a)



.... 1683. free(lha);

MemoryFree on StackVariable\Path 2:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=369

Status New

Calling free() (line 297) on a variable that was not dynamically allocated (line 297) in file freebsd-src-1/archive read support format mtree.c may result with a crash.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	309	309
Object	p	p

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method cleanup(struct archive_read *a)

309. free(p);

MemoryFree on StackVariable\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=370

Status New

Calling free() (line 297) on a variable that was not dynamically allocated (line 297) in file freebsd-src-1/archive_read_support_format_mtree.c may result with a crash.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	318	318
Object	mtree	mtree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method cleanup(struct archive_read *a)



....
318. free (mtree);

MemoryFree on StackVariable\Path 4:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=371

Status New

Calling free() (line 1339) on a variable that was not dynamically allocated (line 1339) in file freebsd-src-1/archive read support format rar.c may result with a crash.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	1352	1352
Object	rar	rar

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method archive_read_format_rar_cleanup(struct archive_read *a)

1352. free(rar);

MemoryFree on StackVariable\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=372

Status New

Calling free() (line 795) on a variable that was not dynamically allocated (line 795) in file freebsd-src-1/authzone.c may result with a crash.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	859	859
Object	old	old

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,



.... 859. free(old);

MemoryFree on StackVariable\Path 6:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=373

Status New

Calling free() (line 1567) on a variable that was not dynamically allocated (line 1567) in file freebsd-src-1/authzone.c may result with a crash.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1592	1592
Object	n	n

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)

1592. free(n);

MemoryFree on StackVariable\Path 7:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=374

Status New

Calling free() (line 1567) on a variable that was not dynamically allocated (line 1567) in file freebsd-src-1/authzone.c may result with a crash.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1597	1597
Object	n	n

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)



.... 1597. free(n);

MemoryFree on StackVariable\Path 8:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=375

Status New

Calling free() (line 1567) on a variable that was not dynamically allocated (line 1567) in file freebsd-src-1/authzone.c may result with a crash.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1621	1621
Object	n	n

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)

.... 1621. free(n);

MemoryFree on StackVariable\Path 9:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=376

Status New

Calling free() (line 2267) on a variable that was not dynamically allocated (line 2267) in file freebsd-src-1/authzone.c may result with a crash.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2275	2275
Object	С	С

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_chunks_delete(struct auth_transfer* at)



2275. free(c);

MemoryFree on StackVariable\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=377

Status New

Calling free() (line 699) on a variable that was not dynamically allocated (line 699) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	736	736
Object	s	S

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_free(struct ssh *ssh, Channel *c)

736. free(s);

MemoryFree on StackVariable\Path 11:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=378

Status New

Calling free() (line 985) on a variable that was not dynamically allocated (line 985) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1027	1027
Object	ср	ср

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_open_message(struct ssh *ssh)



.... 1027. free(cp);

MemoryFree on StackVariable\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=379

Status New

Calling free() (line 985) on a variable that was not dynamically allocated (line 985) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1030	1030
Object	ср	ср

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_open_message(struct ssh *ssh)

.... 1030. free(cp);

MemoryFree on StackVariable\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=380

Status New

Calling free() (line 1774) on a variable that was not dynamically allocated (line 1774) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1819	1819
Object	remote_ipaddr	remote_ipaddr

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_post_x11_listener(struct ssh *ssh, Channel *c)



....
1819. free(remote_ipaddr);

MemoryFree on StackVariable\Path 14:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=381

Status New

Calling free() (line 1823) on a variable that was not dynamically allocated (line 1823) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1878	1878
Object	local_ipaddr	local_ipaddr

Code Snippet

File Name freebsd-src-1/channels.c

Method port_open_helper(struct ssh *ssh, Channel *c, char *rtype)

1878. free(local ipaddr);

MemoryFree on StackVariable\Path 15:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=382

Status New

Calling free() (line 2135) on a variable that was not dynamically allocated (line 2135) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2170	2170
Object	data	data

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handle_wfd(struct ssh *ssh, Channel *c)



.... 2170. free(data);

MemoryFree on StackVariable\Path 16:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=383

Status New

Calling free() (line 3074) on a variable that was not dynamically allocated (line 3074) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3214	3214
Object	ctype	ctype

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_proxy_downstream(struct ssh *ssh, Channel *downstream)

3214. free(ctype);

MemoryFree on StackVariable\Path 17:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=384

Status New

Calling free() (line 3074) on a variable that was not dynamically allocated (line 3074) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3215	3215
Object	listen_host	listen_host

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_proxy_downstream(struct ssh *ssh, Channel *downstream)



....
3215. free(listen_host);

MemoryFree on StackVariable\Path 18:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=385

Status New

Calling free() (line 3548) on a variable that was not dynamically allocated (line 3548) in file freebsd-src-1/channels.c may result with a crash.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3573	3573
Object	msg	msg

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_input_open_failure(int type, u_int32_t seq, struct ssh *ssh)

3573. free(msg);

MemoryFree on StackVariable\Path 19:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=386

Status New

Calling free() (line 3377) on a variable that was not dynamically allocated (line 3377) in file freebsd-src-1/cxgbetool.c may result with a crash.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3435	3435
Object	line	line

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method parse_offload_policy(const char *fname, struct t4_offload_policy *op)



....
3435. free(line);

MemoryFree on StackVariable\Path 20:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=387

Status New

Calling free() (line 95) on a variable that was not dynamically allocated (line 95) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	126	126
Object	inputline	inputline

Code Snippet

File Name freebsd-src-1/gvinum.c
Method main(int argc, char **argv)

126. free(inputline);

MemoryFree on StackVariable\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=388

Status New

Calling free() (line 175) on a variable that was not dynamically allocated (line 175) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	352	352
Object	sdname	sdname

Code Snippet

File Name freebsd-src-1/gvinum.c



....
352. free(sdname);

MemoryFree on StackVariable\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=389

Status New

Calling free() (line 421) on a variable that was not dynamically allocated (line 421) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	469	469
Object	dname	dname

Code Snippet

File Name freebsd-src-1/gvinum.c

Method create_drive(const char *device)

469. free(dname);

MemoryFree on StackVariable\Path 23:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=390

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1295	1295
Object	S	s

Code Snippet

File Name freebsd-src-1/gvinum.c



.... 1295. free(s);

MemoryFree on StackVariable \Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=391

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1302	1302
Object	s	S

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

.... 1302. free(s);

MemoryFree on StackVariable\Path 25:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=392

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1303	1303
Object	d	d

Code Snippet

File Name freebsd-src-1/gvinum.c



.... 1303. free(d);

MemoryFree on StackVariable\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=393

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1316	1316
Object	s	S

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

.... 1316. free(s);

MemoryFree on StackVariable\Path 27:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=394

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1317	1317
Object	d	d

Code Snippet

File Name freebsd-src-1/gvinum.c



.... 1317. free(d);

MemoryFree on StackVariable\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=395

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1318	1318
Object	drive	drive

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

1318. free(drive);

MemoryFree on StackVariable\Path 29:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=396

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1322	1322
Object	sdname	sdname

Code Snippet

File Name freebsd-src-1/gvinum.c



.... 1322. free(sdname);

MemoryFree on StackVariable\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=397

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1338	1338
Object	drive	drive

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

....
1338. free(drive);

MemoryFree on StackVariable\Path 31:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=398

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1341	1341
Object	s	S

Code Snippet

File Name freebsd-src-1/gvinum.c



1341. free(s);

MemoryFree on StackVariable\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=399

Status New

Calling free() (line 1270) on a variable that was not dynamically allocated (line 1270) in file freebsd-src-1/gvinum.c may result with a crash.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1342	1342
Object	d	d

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

.... 1342. free(d);

MemoryFree on StackVariable\Path 33:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=400

Status New

Calling free() (line 317) on a variable that was not dynamically allocated (line 317) in file freebsd-src-1/http.c may result with a crash.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	325	325
Object	io	io

Code Snippet

File Name freebsd-src-1/http.c

Method http_closefn(void *v)



.... 325. free(io);

MemoryFree on StackVariable\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=401

Status New

Calling free() (line 392) on a variable that was not dynamically allocated (line 392) in file freebsd-src-1/http.c may result with a crash.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	410	410
Object	msg	msg

Code Snippet

File Name freebsd-src-1/http.c

Method http_cmd(conn_t *conn, const char *fmt, ...)

410. free (msg);

MemoryFree on StackVariable\Path 35:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=402

Status New

Calling free() (line 1249) on a variable that was not dynamically allocated (line 1249) in file freebsd-src-1/http.c may result with a crash.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1303	1303
Object	options	options

Code Snippet

File Name freebsd-src-1/http.c

Method http_digest_auth(conn_t *conn, const char *hdr, http_auth_challenge_t *c,



.... 1303. free(options);

MemoryFree on StackVariable \Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=403

Status New

Calling free() (line 1525) on a variable that was not dynamically allocated (line 1525) in file freebsd-src-1/http.c may result with a crash.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1562	1562
Object	line	line

Code Snippet

File Name freebsd-src-1/http.c

Method http_print_html(FILE *out, FILE *in)

.... 1562. free(line);

MemoryFree on StackVariable\Path 37:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=404

Status New

Calling free() (line 1585) on a variable that was not dynamically allocated (line 1585) in file freebsd-src-1/http.c may result with a crash.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1899	1899
Object	neW	neW

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,



1899. free (new);

MemoryFree on StackVariable\Path 38:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=405

Status New

Calling free() (line 272) on a variable that was not dynamically allocated (line 272) in file freebsd-src-1/imsg.c may result with a crash.

	Source	Destination
File	freebsd-src-1/imsg.c	freebsd-src-1/imsg.c
Line	282	282
Object	ifd	ifd

Code Snippet

File Name freebsd-src-1/imsg.c

Method imsg_get_fd(struct imsgbuf *ibuf)

.... 282. free(ifd);

MemoryFree on StackVariable\Path 39:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=406

Status New

Calling free() (line 88) on a variable that was not dynamically allocated (line 88) in file freebsd-src-1/ipsecmod.c may result with a crash.

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	96	96
Object	ipsecmod_env	ipsecmod_env

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_deinit(struct module_env* env, int id)



....
96. free(ipsecmod_env);

MemoryFree on StackVariable\Path 40:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=407

Status New

Calling free() (line 249) on a variable that was not dynamically allocated (line 249) in file freebsd-src-1/ipsecmod.c may result with a crash.

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	283	283
Object	tempstring	tempstring

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method call_hook(struct module_qstate* qstate, struct ipsecmod_qstate* iq,

283. free(tempstring);

MemoryFree on StackVariable\Path 41:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=408

Status New

Calling free() (line 249) on a variable that was not dynamically allocated (line 249) in file freebsd-src-1/ipsecmod.c may result with a crash.

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	287	287
Object	tempstring	tempstring

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method call_hook(struct module_gstate* gstate, struct ipsecmod_gstate* iq,



free(tempstring);

MemoryFree on StackVariable \Path 42:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=409

Status New

Calling free() (line 1114) on a variable that was not dynamically allocated (line 1114) in file freebsd-src-1/lockstat.c may result with a crash.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1604	1604
Object	data_buf	data_buf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

.... 1604. free(data_buf);

MemoryFree on StackVariable\Path 43:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=410

Status New

Calling free() (line 938) on a variable that was not dynamically allocated (line 938) in file freebsd-src-1/name.c may result with a crash.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	952	952
Object	oid	oid

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)



.... 952. free(oid);

MemoryFree on StackVariable\Path 44:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=411

Status New

Calling free() (line 938) on a variable that was not dynamically allocated (line 938) in file freebsd-src-1/name.c may result with a crash.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	1014	1014
Object	oid	oid

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_general_name_unparse(GeneralName *name, char **str)

.... 1014. free(oid);

MemoryFree on StackVariable\Path 45:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=412

Status New

Calling free() (line 293) on a variable that was not dynamically allocated (line 293) in file freebsd-src-1/phttpget.c may result with a crash.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	425	425
Object	reqbuf	reqbuf

Code Snippet

File Name freebsd-src-1/phttpget.c

Method main(int argc, char *argv[])



425. free(reqbuf);

MemoryFree on StackVariable\Path 46:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=413

Status New

Calling free() (line 293) on a variable that was not dynamically allocated (line 293) in file freebsd-src-1/phttpget.c may result with a crash.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	447	447
Object	reqbuf	reqbuf

Code Snippet

File Name freebsd-src-1/phttpget.c
Method main(int argc, char *argv[])

447. free(reqbuf);

MemoryFree on StackVariable\Path 47:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=414

Status New

Calling free() (line 293) on a variable that was not dynamically allocated (line 293) in file freebsd-src-1/phttpget.c may result with a crash.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	718	718
Object	reqbuf	reqbuf

Code Snippet

File Name freebsd-src-1/phttpget.c

Method main(int argc, char *argv[])



718. free(reqbuf);

MemoryFree on StackVariable \Path 48:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=415

Status New

Calling free() (line 125) on a variable that was not dynamically allocated (line 125) in file freebsd-src-1/phttpget.c may result with a crash.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	179	179
Object	proxy_auth_userpass	proxy_auth_userpass

Code Snippet

File Name freebsd-src-1/phttpget.c

Method readenv(void)

free(proxy auth userpass);

MemoryFree on StackVariable\Path 49:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=416

Status New

Calling free() (line 125) on a variable that was not dynamically allocated (line 125) in file freebsd-src-1/phttpget.c may result with a crash.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	180	180
Object	proxy_auth_userpass64	proxy_auth_userpass64

Code Snippet

File Name freebsd-src-1/phttpget.c

Method readenv(void)



free(proxy_auth_userpass64);

MemoryFree on StackVariable \Path 50:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=417

Status New

Calling free() (line 307) on a variable that was not dynamically allocated (line 307) in file freebsd-src-1/scsi ch.c may result with a crash.

	Source	Destination
File	freebsd-src-1/scsi_ch.c	freebsd-src-1/scsi_ch.c
Line	315	315
Object	softc	softc

Code Snippet

File Name freebsd-src-1/scsi_ch.c

Method chcleanup(struct cam_periph *periph)

....
315. free(softc, M_DEVBUF);

Wrong Size t Allocation

Query Path:

CPP\Cx\CPP Integer Overflow\Wrong Size t Allocation Version:0

Description

Wrong Size t Allocation\Path 1:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=436

Status New

The function clip_buf_size in freebsd-src-1/cxgbetool.c at line 3488 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3494	3494
Object	clip_buf_size	clip_buf_size

Code Snippet



File Name freebsd-src-1/cxgbetool.c

Method display_clip(void)

3494. buf = malloc(clip_buf_size);

Wrong Size t Allocation\Path 2:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=437

Status New

The function datalen in freebsd-src-1/imsg.c at line 126 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/imsg.c	freebsd-src-1/imsg.c
Line	147	147
Object	datalen	datalen

Code Snippet

File Name freebsd-src-1/imsg.c

Method imsq_get(struct imsgbuf *ibuf, struct imsg *imsg)

147. else if ((imsg->data = malloc(datalen)) == NULL)

Wrong Size t Allocation\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=438

Status New

The function tolen in freebsd-src-1/name.c at line 83 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	90	90
Object	tolen	tolen

Code Snippet

File Name freebsd-src-1/name.c

Method quote_string(const char *f, size_t len, int flags, size_t *rlen)



```
to = malloc(tolen);
```

Wrong Size t Allocation\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=439

Status New

The function prog_size in freebsd-src-1/optimize.c at line 2945 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	2965	2965
Object	prog_size	prog_size

Code Snippet

File Name freebsd-src-1/optimize.c

Method install_bpf_program(pcap_t *p, struct bpf_program *fp)

2965. p->fcode.bf_insns = (struct bpf_insn *)malloc(prog_size);

Wrong Size t Allocation\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=440

Status New

The function ctlen in freebsd-src-1/phttpget.c at line 71 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	91	91
Object	ctlen	ctlen

Code Snippet

File Name freebsd-src-1/phttpget.c
Method b64enc(const char *ptext)



```
of ((ctext = malloc(ctlen)) == NULL)
```

Wrong Size t Allocation\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=441

Status New

The function mlen in freebsd-src-1/pmcstudy.c at line 2095 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2128	2128
Object	mlen	mlen

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)

cnts = malloc(mlen);

Wrong Size t Allocation\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=442

Status New

The function sz in freebsd-src-1/pmcstudy.c at line 2334 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2502	2502
Object	sz	SZ

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)



valid_pmcs = malloc(sz);

Wrong Size t Allocation\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=443

Status New

The function len in freebsd-src-1/pmcstudy.c at line 2334 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2522	2522
Object	len	len

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method get_cpuid_set(void)

valid_pmcs[valid_pmc_cnt] = malloc(len);

Wrong Size t Allocation\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=444

Status New

The function sz in freebsd-src-1/pmcstudy.c at line 2334 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2535	2535
Object	sz	sz

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)



.... 2535. more = malloc(sz);

Wrong Size t Allocation\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=445

Status New

The function len in freebsd-src-1/pmcstudy.c at line 2641 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2658	2658
Object	len	len

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method add_it_to(char **vars, int cur_cnt, char *name)

2658. vars[cur_cnt] = malloc(len);

Wrong Size t Allocation\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=446

Status New

The function mal in freebsd-src-1/pmcstudy.c at line 2669 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2698	2698
Object	mal	mal

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)



```
....
2698. vars = malloc(mal);
```

Wrong Size t Allocation\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=447

Status New

The function size in freebsd-src-1/scsi_ch.c at line 1182 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/scsi_ch.c	freebsd-src-1/scsi_ch.c
Line	1306	1306
Object	size	size

Code Snippet

File Name freebsd-src-1/scsi_ch.c

Method chgetelemstatus(struct cam_periph *periph, int scsi_version, u_long cmd,

....
1306. data = (caddr_t)malloc(size, M_DEVBUF, M_WAITOK);

Wrong Size t Allocation\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=448

Status New

The function len in freebsd-src-1/sctp_sys_calls.c at line 678 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	736	736
Object	len	len

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_sendx(int sd, const void *msg, size_t msg_len,



```
....
736. buf = malloc(len);
```

Wrong Size t Allocation\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=449

Status New

The function len in freebsd-src-1/test_x509.c at line 49 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	56	56
Object	len	len

Code Snippet

File Name freebsd-src-1/test_x509.c

Method xmalloc(size_t len)

56. buf = malloc(len);

Wrong Size t Allocation\Path 15:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=450

Status New

The function slen in freebsd-src-1/ipsecmod.c at line 215 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	218	218
Object	slen	slen

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipseckey_has_safe_characters(char* s, size_t slen) {



```
control
218. gateway = (char*)calloc(slen, sizeof(char));
```

Wrong Size t Allocation\Path 16:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=451

Status New

The function peer_count in freebsd-src-1/show.c at line 47 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	56	56
Object	peer_count	peer_count

Code Snippet

File Name freebsd-src-1/show.c

Method static void sort_peers(struct wgdevice *device)

....
56. peers = calloc(peer_count, sizeof(*peers));

Wrong Size t Allocation\Path 17:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=452

Status New

The function n in freebsd-src-1/test_x509.c at line 74 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	83	83
Object	n	n

Code Snippet

File Name freebsd-src-1/test_x509.c

Method xstrdup(const char *name)



```
83. s = xmalloc(n);
```

Wrong Size t Allocation\Path 18:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=453

Status New

The function nlen in freebsd-src-1/test_x509.c at line 106 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	118	118
Object	nlen	nlen

Code Snippet

File Name freebsd-src-1/test_x509.c

Method SB_expand(string_builder *sb, size_t extra_len)

Wrong Size t Allocation\Path 19:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=454

Status New

The function blen in freebsd-src-1/test_x509.c at line 403 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	409	409
Object	blen	blen

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_all(FILE *f, size_t *len)



buf = xmalloc(blen);

Wrong Size t Allocation\Path 20:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=455

Status New

The function blen in freebsd-src-1/test_x509.c at line 403 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	418	418
Object	blen	blen

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_all(FILE *f, size_t *len)

....
418. buf2 = xmalloc(blen);

Wrong Size t Allocation\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=456

Status New

The function ptr in freebsd-src-1/test_x509.c at line 403 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	427	427
Object	ptr	ptr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_all(FILE *f, size_t *len)



....
427. buf3 = xmalloc(ptr);

Wrong Size t Allocation\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=457

Status New

The function ptr in freebsd-src-1/test_x509.c at line 975 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1022	1022
Object	ptr	ptr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method parse_hex(const char *name, long linenum, const char *value, size_t *len)

1022. buf = xmalloc(ptr);

Wrong Size t Allocation\Path 23:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=458

Status New

The function len in freebsd-src-1/archive_read_support_format_mtree.c at line 813 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	822	822
Object	len	len

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method add_option(struct archive_read *a, struct mtree_option **global,



```
....
822. if ((opt->value = malloc(len + 1)) == NULL) {
```

Wrong Size t Allocation\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=459

Status New

The function name_len in freebsd-src-1/archive_read_support_format_mtree.c at line 919 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	982	982
Object	name_len	name_len

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method process_add_entry(struct archive_read *a, struct mtree *mtree,

....
982. if ((entry->name = malloc(name_len + 1)) == NULL) {

Wrong Size t Allocation\Path 25:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=460

Status New

The function num in freebsd-src-1/authzone.c at line 7125 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7130	7130
Object	num	num

Code Snippet

File Name freebsd-src-1/authzone.c

Method dup_prefix(char* str, size_t num)



```
7130. result = (char*)malloc(num+1);
```

Wrong Size t Allocation\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=461

Status New

The function k in freebsd-src-1/name.c at line 201 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	244	244
Object	k	k

Code Snippet

File Name freebsd-src-1/name.c

Method __hx509_Name_to_string(const Name *n, char **str)

244. ss = malloc(k + 1);

Wrong Size t Allocation\Path 27:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=462

Status New

The function k in freebsd-src-1/name.c at line 201 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	269	269
Object	k	k

Code Snippet

File Name freebsd-src-1/name.c

Method __hx509_Name_to_string(const Name *n, char **str)



```
....
269. ss = malloc(k + 1);
```

Wrong Size t Allocation\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=463

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	345	345
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)

....
345. COPYVOIDARRAY(ds, ia5String, len, name);

Wrong Size t Allocation\Path 29:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=464

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	350	350
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)



....
350. COPYVOIDARRAY(ds, printableString, len, name);

Wrong Size t Allocation\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=465

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	354	354
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)

.... COPYCHARARRAY(ds, teletexString, len, name);

Wrong Size t Allocation\Path 31:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=466

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	358	358
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)



....
358. COPYVALARRAY(ds, bmpString, len, name);

Wrong Size t Allocation\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=467

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	362	362
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)

....
362. COPYVALARRAY(ds, universalString, len, name);

Wrong Size t Allocation\Path 33:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=468

Status New

The function len in freebsd-src-1/name.c at line 332 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	369	369
Object	len	len

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)



```
name = malloc(len * sizeof(name[0]));
```

Wrong Size t Allocation\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=469

Status New

The function pstr_len in freebsd-src-1/name.c at line 572 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	636	636
Object	pstr_len	pstr_len

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_parse_name(hx509_context context, const char *str, hx509_name

*name)

.... $r = malloc(pstr_len + 1);$

Wrong Size t Allocation\Path 35:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=470

Status New

The function block_memsize in freebsd-src-1/optimize.c at line 2520 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	2621	2621
Object	block_memsize	block_memsize

Code Snippet

File Name freebsd-src-1/optimize.c

Method opt_init(opt_state_t *opt_state, struct icode *ic)



```
....
2621. opt_state->space = (bpf_u_int32 *)malloc(block_memsize + edge_memsize);
```

Wrong Size t Allocation\Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=471

Status New

The function edge_memsize in freebsd-src-1/optimize.c at line 2520 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	2621	2621
Object	edge_memsize	edge_memsize

Code Snippet

File Name freebsd-src-1/optimize.c

Method opt_init(opt_state_t *opt_state, struct icode *ic)

....
2621. opt_state->space = (bpf_u_int32 *)malloc(block_memsize +
edge memsize);

Wrong Size t Allocation\Path 37:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=472

Status New

The function mal in freebsd-src-1/pmcstudy.c at line 2669 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2718	2718
Object	mal	mal

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)



.... 2718. cmd = malloc((mal+2));

Wrong Size t Allocation\Path 38:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=473

Status New

The function rdatalen in freebsd-src-1/authzone.c at line 795 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	803	803
Object	rdatalen	rdatalen

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,

Wrong Size t Allocation\Path 39:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=474

Status New

The function sigsz in freebsd-src-1/authzone.c at line 936 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	956	956
Object	sigsz	sigsz

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,



.... 956. + sigsz);

Wrong Size t Allocation\Path 40:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=475

Status New

The function sigsz in freebsd-src-1/authzone.c at line 936 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1019	1019
Object	sigsz	sigsz

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

.... 1019. - sigsz);

Wrong Size t Allocation\Path 41:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=476

Status New

The function len in freebsd-src-1/test_x509.c at line 2021 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	2049	2049
Object	len	len

Code Snippet

File Name freebsd-src-1/test_x509.c

Method main(int argc, const char *argv[])



```
dn = xmalloc(len + 1);
```

Wrong Size t Allocation\Path 42:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=477

Status New

The function n2 in freebsd-src-1/test_x509.c at line 265 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	272	272
Object	n2	n2

Code Snippet

File Name freebsd-src-1/test_x509.c

Method HT_expand(HT *ht)

....
272. new_buckets = xmalloc(n2 * sizeof *new_buckets);

Wrong Size t Allocation\Path 43:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=478

Status New

The function len in freebsd-src-1/test_x509.c at line 790 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	817	817
Object	len	len

Code Snippet

File Name freebsd-src-1/test_x509.c

Method parse_header_name(void)



```
name = xmalloc(len + 1);
```

Wrong Size t Allocation\Path 44:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=479

Status New

The function u in freebsd-src-1/test_x509.c at line 829 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	844	844
Object	u	u

Code Snippet

File Name freebsd-src-1/test_x509.c Method parse_keyvalue(HT *d)

.... 844. name = xmalloc(u + 1);

Wrong Size t Allocation\Path 45:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=480

Status New

The function all_chains_len in freebsd-src-1/test_x509.c at line 1146 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1300	1300
Object	all_chains_len	all_chains_len

Code Snippet

File Name freebsd-src-1/test_x509.c

Method parse_object(char *objtype, HT *objdata, long linenum)



....
1300. all_chains_len * sizeof
*all_chains);

Wrong Size t Allocation\Path 46:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=481

Status New

The function nlen in freebsd-src-1/test_x509.c at line 1146 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1306	1306
Object	nlen	nlen

Code Snippet

File Name freebsd-src-1/test x509.c

Method parse_object(char *objtype, HT *objdata, long linenum)

1306. ntc = xmalloc(nlen * sizeof *ntc);

Wrong Size t Allocation\Path 47:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=482

Status New

The function num_anchors in freebsd-src-1/test_x509.c at line 1457 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1492	1492
Object	num_anchors	num_anchors

Code Snippet

File Name freebsd-src-1/test_x509.c

Method run_test_case(test_case *tc)



```
....
1492. anchors = xmalloc(num_anchors * sizeof *anchors);
```

Wrong Size t Allocation\Path 48:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=483

Status New

The function num_certs in freebsd-src-1/test_x509.c at line 1457 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1519	1519
Object	num_certs	num_certs

Code Snippet

File Name freebsd-src-1/test_x509.c Method run_test_case(test_case *tc)

....
1519. certs = xmalloc(num_certs * sizeof *certs);

Wrong Size t Allocation\Path 49:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=484

Status New

The function num_names in freebsd-src-1/test_x509.c at line 1836 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1865	1865
Object	num_names	num_names

Code Snippet

File Name freebsd-src-1/test_x509.c

Method test_name_extraction(void)



```
....
1865. names = xmalloc(num_names * sizeof *names);
```

Wrong Size t Allocation\Path 50:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=485

Status New

The function len in freebsd-src-1/servconf.c at line 1345 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2335	2335
Object	len	len

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

Double Free

Query Path:

CPP\Cx\CPP Medium Threat\Double Free Version:1

Categories

NIST SP 800-53: SI-16 Memory Protection (P1)

Description

Double Free\Path 1:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=870

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2382
Object	tree	tree



Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

.... 2430. free(precode.tree);

2382. free(precode.tree);

Double Free\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=871

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2382
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2438. free (precode.tree);

2382. free(precode.tree);

Double Free\Path 3:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=872

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2382
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



Method parse_codes(struct archive_read *a)

2404. free (precode.tree);

2382. free (precode.tree);

Double Free\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=873

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2382
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2412. free(precode.tree);

2382. free (precode.tree);

Double Free\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

. . . .

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=874

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2382
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);
....
2382. free (precode.tree);

Double Free\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=875

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2382
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2405. free (precode.table);

2382. free (precode.tree);

Double Free\Path 7:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=876

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2382
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);

free (precode.table);

free (precode.tree);

Double Free\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=877

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2382
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2439. free(precode.table);

2382. free (precode.tree);

Double Free\Path 9:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=878

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2383
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free(precode.table);
....
2383. free(precode.table);

Double Free\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=879

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2383
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2405. free (precode.table);

2383. free (precode.table);

Double Free\Path 11:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=880

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2383
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);

2383. free (precode.table);

Double Free\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=881

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2383
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2431. free (precode.table);

2383. free(precode.table);

Double Free\Path 13:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=882

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2383
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2383. free (precode.table);

Double Free\Path 14:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=883

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2383
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.tree);

free (precode.table);

Double Free\Path 15:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=884

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2383
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2383. free (precode.table);

Double Free\Path 16:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=885

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2383
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2412. free(precode.tree);

2383. free(precode.table);

Double Free\Path 17:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=886

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2395
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2395. free (precode.tree);

Double Free\Path 18:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=887

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2395
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2438. free(precode.tree);
....
2395. free(precode.tree);

Double Free\Path 19:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=888

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2395
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2395. free (precode.tree);

Double Free\Path 20:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=889

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2395
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.tree);

free (precode.tree);

free (precode.tree);

Double Free\Path 21:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=890

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2395
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);
....
2395. free (precode.tree);

Double Free\Path 22:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=891

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2395
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.table);

free (precode.tree);

Double Free\Path 23:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=892

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2395
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);
....
2395. free (precode.tree);

Double Free\Path 24:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=893

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2395
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.table);

free (precode.tree);

free (precode.tree);

Double Free\Path 25:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=894

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2396
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);
....
2396. free (precode.table);

Double Free\Path 26:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=895

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2396
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.table);

free (precode.table);

free (precode.table);

Double Free\Path 27:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=896

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2396
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.table);
....
2396. free (precode.table);

Double Free\Path 28:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=897

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2396
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.table);

free (precode.table);

free (precode.table);

Double Free\Path 29:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=898

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2396
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2396. free (precode.table);

Double Free\Path 30:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=899

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2396
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2438. free(precode.tree);
....
2396. free(precode.table);

Double Free\Path 31:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=900

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2396
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);
....
2396. free (precode.table);

Double Free\Path 32:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=901

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2396
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

free (precode.tree);

free (precode.table);

Double Free\Path 33:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=902

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2450
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



2438. free(precode.tree);
....
2450. free(precode.tree);

Double Free\Path 34:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=903

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2450
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2404. free(precode.tree);

2450. free(precode.tree);

Double Free\Path 35:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=904

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2450
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free (precode.tree);

free (precode.tree);

free (precode.tree);

Double Free\Path 36:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=905

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2450
Object	tree	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2430. free (precode.tree);

2450. free (precode.tree);

Double Free\Path 37:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=906

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2450
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



2405. free(precode.table);
....
2450. free(precode.tree);

Double Free\Path 38:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=907

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2450
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2431. free (precode.table);

2450. free (precode.tree);

Double Free\Path 39:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=908

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2450
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free(precode.table);
....
2439. free(precode.table);
....
2450. free(precode.tree);

Double Free\Path 40:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=909

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2450
Object	table	tree

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2413. free(precode.table);

2450. free (precode.tree);

Double Free\Path 41:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=910

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2413	2451
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free(precode.table);

free(precode.table);

free(precode.table);

Double Free\Path 42:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=911

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2405	2451
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2405. free(precode.table);

2451. free (precode.table);

Double Free\Path 43:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=912

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2439	2451
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free(precode.table);
....
2439. free(precode.table);
....
2451. free(precode.table);

Double Free\Path 44:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=913

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2431	2451
Object	table	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2431. free (precode.table);

2451. free(precode.table);

Double Free\Path 45:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=914

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2412	2451
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



free(precode.tree);
....
2412. free(precode.tree);
....
2451. free(precode.table);

Double Free\Path 46:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=915

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2404	2451
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

.... 2404. free(precode.tree);

2451. free(precode.table);

Double Free\Path 47:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=916

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2438	2451
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c



2438. free(precode.tree);
....
2451. free(precode.table);

Double Free\Path 48:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=917

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	2430	2451
Object	tree	table

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method parse_codes(struct archive_read *a)

2430. free (precode.tree);

2451. free(precode.table);

Double Free\Path 49:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=918

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1027	1030
Object	ср	ср

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_open_message(struct ssh *ssh)



. . . . 1027. free (cp); 1030. free(cp);

Double Free\Path 50:

Medium Severity Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=919

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1048	1321
Object	password	upw

Code Snippet

File Name freebsd-src-1/http.c

Method clean_http_auth_params(http_auth_params_t *s)

> 1048. free(s->password);

> > A

File Name freebsd-src-1/http.c

Method http_basic_auth(conn_t *conn, const char *hdr, const char *usr, const char

*pwd)

1321. free(upw);

Integer Overflow

Query Path:

CPP\Cx\CPP Integer Overflow\Integer Overflow Version:0

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows FISMA 2014: System And Information Integrity

NIST SP 800-53: SI-10 Information Input Validation (P1)

Description

Integer Overflow\Path 1:

Severity Medium Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=340



Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 703 of freebsd-src-1/bsd-snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/bsd-snprintf.c	freebsd-src-1/bsd-snprintf.c
Line	773	773
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/bsd-snprintf.c

Method fmtfp (char *buffer, size_t *currlen, size_t maxlen,

773. idx = (int) ((temp - intpart +0.05) * 10.0);

Integer Overflow\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=341

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 703 of freebsd-src-1/bsd-snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/bsd-snprintf.c	freebsd-src-1/bsd-snprintf.c
Line	788	788
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/bsd-snprintf.c

Method fmtfp (char *buffer, size_t *currlen, size_t maxlen,

788. idx = (int) ((temp - fracpart +0.05)* 10.0);

Integer Overflow\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=342

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1000 of freebsd-src-1/archive_read_support_format_lha.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.



	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	1033	1033
Object	AssignExpr	AssignExpr

File Name freebsd-src-1/archive_read_support_format_lha.c

Method Iha_read_file_header_2(struct archive_read *a, struct Iha *Iha)

```
....
1033. padding = (int)lha->header_size - (int)(H2_FIXED_SIZE +
extdsize);
```

Integer Overflow\Path 4:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=343

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 379 of freebsd-src-1/b print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	393	393
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/b_print.c Method fmtstr(char **sbuffer,

393. padlen = min - strln;

Integer Overflow\Path 5:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=344

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 561 of freebsd-src-1/b print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c



Line	635	635
Object	AssignExpr	AssignExpr

File Name freebsd-src-1/b_print.c Method fmtfp(char **sbuffer,

635. $\max -= (\exp + 1);$

Integer Overflow\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=345

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 561 of freebsd-src-1/b_print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	715	715
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/b_print.c Method fmtfp(char **sbuffer,

.... 715. tmpexp = -exp;

Integer Overflow\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=346

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 561 of freebsd-src-1/b_print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	717	717
Object	AssignExpr	AssignExpr



File Name freebsd-src-1/b_print.c Method fmtfp(char **sbuffer,

717. tmpexp = exp;

Integer Overflow\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=347

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1381 of freebsd-src-1/cxgbetool.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1450	1450
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method filter_cmd(int argc, const char *argv[], int hashfilter)

1450. prio = (int)val;

Integer Overflow\Path 9:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=348

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 2258 of freebsd-src-1/cxgbetool.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2277	2277
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method read_tcb(int argc, const char *argv[])



.... 2277. tid = 1;

Integer Overflow\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=349

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 57 of freebsd-src-1/e_chacha20_poly1305.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/e_chacha20_poly1305.c	freebsd-src-1/e_chacha20_poly1305.c
Line	81	81
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/e_chacha20_poly1305.c

Method static int chacha_cipher(EVP_CIPHER_CTX * ctx, unsigned char *out,

81. rem = (unsigned int)(len % CHACHA_BLK_SIZE);

Integer Overflow\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=350

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 57 of freebsd-src-1/e_chacha20_poly1305.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/e_chacha20_poly1305.c	freebsd-src-1/e_chacha20_poly1305.c
Line	100	100
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/e_chacha20_poly1305.c

Method static int chacha_cipher(EVP_CIPHER_CTX * ctx, unsigned char *out,



....
100. ctr32 += (unsigned int)blocks;

Integer Overflow\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=351

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1953 of freebsd-src-1/lockstat.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1960	1960
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_trace(FILE *out, lsrec_t **sort_buf)

....
1960. rectype = g_recsize;

Integer Overflow\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=352

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1753 of freebsd-src-1/lockstat.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1767	1767
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, lsrec_t **sort_buf, size_t nrecs, uint64_t total_count,

1767. rectype = g_recsize;



Integer Overflow\Path 14:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=353

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 2334 of freebsd-src-1/pmcstudy.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2362	2362
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)

2362. model = (((eax & 0xF0000) >> 12) | ((eax & 0xF0) >> 4));

Integer Overflow\Path 15:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=354

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 128 of freebsd-src-1/xgbe-dev.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/xgbe-dev.c	freebsd-src-1/xgbe-dev.c
Line	141	141
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/xgbe-dev.c

Method xgbe_usec_to_riwt(struct xgbe_prv_data *pdata, unsigned int usec)

141. ret = (usec * (rate / 1000000)) / 256;

Integer Overflow\Path 16:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=355

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 147 of freebsd-src-1/xgbe-dev.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/xgbe-dev.c	freebsd-src-1/xgbe-dev.c
Line	160	160
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/xgbe-dev.c

Method xgbe_riwt_to_usec(struct xgbe_prv_data *pdata, unsigned int riwt)

....
160. ret = (riwt * 256) / (rate / 1000000);

Integer Overflow\Path 17:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=356

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 87 of freebsd-src-1/b print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	106	106
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/b_print.c Method _dopr(char **sbuffer,

106. flags = currlen = cflags = min = 0;

Inadequate Encryption Strength

<u>Query Path:</u>

CPP\Cx\CPP Medium Threat\Inadequate Encryption Strength Version:1

Categories

FISMA 2014: Configuration Management

NIST SP 800-53: SC-13 Cryptographic Protection (P1) OWASP Top 10 2017: A3-Sensitive Data Exposure

Description



Inadequate Encryption Strength\Path 1:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1031

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1039.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1048	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method clean_http_auth_params(http_auth_params_t *s)

1048. free(s->password);

¥

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 2:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1032

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1379.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1422	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)



```
File Name freebsd-src-1/http.c

Method DigestCalcHA1(

....

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));
```

Inadequate Encryption Strength\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1033

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1379.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1432	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_connect(struct url *URL, struct url *purl, const char *flags)

....
1432. aparams.password = strdup(purl->pwd);

A

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1034

Status New



The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information pwd, from freebsd-src-1/http.c at line 1311.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1318	1154
Object	pwd	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http basic auth(conn t *conn, const char *hdr, const char *usr, const char

*pwd)

1318. if (asprintf(&upw, "%s:%s", usr, pwd) == -1)

A

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1035

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information pszPassword, from freebsd-src-1/http.c at line 1140.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1158	1158
Object	pszPassword	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c Method DigestCalcHA1(

....
1158. MD5Update(&Md5Ctx, pszPassword, strlen(pszPassword));

Inadequate Encryption Strength\Path 6:

Severity Medium Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1036

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information pszPassword, from freebsd-src-1/http.c at line 1140.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1158	1154
Object	pszPassword	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c Method DigestCalcHA1(

....
1158. MD5Update(&Md5Ctx, pszPassword, strlen(pszPassword));
....
1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1037

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1723	1154
Object	password	MD5_Update

Code Snippet

File Name

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1723. aparams.password = strdup(url->pwd);

¥

Method DigestCalcHA1(

freebsd-src-1/http.c

PAGE 275 OF 630



....
1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1038

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1175 of freebsd-src-1/http.c, to protect sensitive personal information pwd, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1906	1200
Object	pwd	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

....
1906. url->port, p, url->user, url->pwd);

A

File Name freebsd-src-1/http.c

Method DigestCalcResponse(

....
1200. MD5Update(&Md5Ctx, pszDigestUri, strlen(pszDigestUri));

Inadequate Encryption Strength\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1039

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1732	1154
Object	password	MD5_Update



File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

....
1732. aparams.password = strdup(url->pwd);

٧

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1040

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1585.

-	_ ·	
	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1736	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

....
1736. aparams.password = strdup(url->pwd);

٧

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 11:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



	87&pathid=1041

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1693	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1693. aparams.password = strdup(purl->pwd);

٧

File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1042

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information password, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1702	1154
Object	password	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

1702. aparams.password = strdup(purl->pwd);

A



File Name freebsd-src-1/http.c

Method DigestCalcHA1(

1154. MD5Update(&Md5Ctx, pszUserName, strlen(pszUserName));

Inadequate Encryption Strength\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1043

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1140 of freebsd-src-1/http.c, to protect sensitive personal information pszPassword, from freebsd-src-1/http.c at line 1140.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1158	1158
Object	pszPassword	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c Method DigestCalcHA1(

....
1158. MD5Update(&Md5Ctx, pszPassword, strlen(pszPassword));

Inadequate Encryption Strength\Path 14:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1044

Status New

The application uses a weak cryptographic algorithm, MD5_Update at line 1175 of freebsd-src-1/http.c, to protect sensitive personal information pwd, from freebsd-src-1/http.c at line 1585.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1919	1200
Object	pwd	MD5_Update

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,



File Name freebsd-src-1/http.c

Method DigestCalcResponse(

...

1200. MD5Update(&Md5Ctx, pszDigestUri, strlen(pszDigestUri));

Inadequate Encryption Strength\Path 15:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1045

Status New

The application uses a weak cryptographic algorithm, DES_crypt at line 98 of freebsd-src-1/xcrypt.c, to protect sensitive personal information password, from freebsd-src-1/xcrypt.c at line 98.

	Source	Destination
File	freebsd-src-1/xcrypt.c	freebsd-src-1/xcrypt.c
Line	113	113
Object	password	DES_crypt

Code Snippet

File Name freebsd-src-1/xcrypt.c

Method xcrypt(const char *password, const char *salt)

crypted = crypt(password, salt);

Char Overflow

Query Path:

CPP\Cx\CPP Integer Overflow\Char Overflow Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

Description

Char Overflow\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=327

Status New



A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1531 of freebsd-src-1/archive_read_support_format_mtree.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1586	1586
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_digest(struct archive_read *a, struct archive_entry *entry,

1586. digest_buf[j] = high << 4 | low;</pre>

Char Overflow\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=328

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 273 of freebsd-src-1/buf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	279	279
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/buf.c

Method translit_text(char *s, int len, int from, int to)

Char Overflow\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=329

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 273 of freebsd-src-1/buf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.



	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	280	280
Object	AssignExpr	AssignExpr

File Name freebsd-src-1/buf.c

Method translit_text(char *s, int len, int from, int to)

280. ctab[i = from] = to;

Char Overflow\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=330

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 248 of freebsd-src-1/buf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	267	267
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/buf.c Method init_buffers(void)

267. ctab[i] = i;

Char Overflow\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=331

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 73 of freebsd-src-1/property.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	130	130



Object AssignExpr AssignExpr

Code Snippet

File Name freebsd-src-1/property.c Method properties_read(int fd)

130. $hold_n[n++] = ch;$

Char Overflow\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=332

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 73 of freebsd-src-1/property.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	158	158
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/property.c Method properties_read(int fd)

158. $hold_n[n++] = ch;$

Char Overflow\Path 7:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=333

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 73 of freebsd-src-1/property.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	185	185
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/property.c



Method properties_read(int fd)
....
185. hold_v[v++] = ch;

Char Overflow\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=334

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 73 of freebsd-src-1/property.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	202	202
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/property.c Method properties_read(int fd)

202. $hold_v[v++] = ch;$

Char Overflow\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=335

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 991 of freebsd-src-1/snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/snprintf.c	freebsd-src-1/snprintf.c
Line	1034	1034
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/snprintf.c

Method fmtint(char *str, size_t *len, size_t size, INTMAX_T value, int base, int width,

hexprefix = (flags & PRINT_F_UP) ? 'X' : 'x';



Char Overflow\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=336

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1092 of freebsd-src-1/snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/snprintf.c	freebsd-src-1/snprintf.c
Line	1285	1285
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/snprintf.c

Method fmtflt(char *str, size_t *len, size_t size, LDOUBLE fvalue, int width,

.... 1285. econvert[epos++] = (flags & PRINT_F_UP) ? 'E' : 'e';

Char Overflow\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=337

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1076 of freebsd-src-1/test x509.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1089	1089
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method string_to_hash(const char *name)

1089. tmp[v ++] = c;

Char Overflow\Path 12:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=338

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 1114 of freebsd-src-1/test_x509.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1127	1127
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method string_to_curve(const char *name)

1127. tmp[v ++] = c;

Char Overflow\Path 13:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=339

Status New

A variable of a larger data type, map, is being assigned to a smaller data type, in 83 of freebsd-src-1/name.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

		e e e e e e e e e e e e e e e e e e e
	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	95	95
Object	map	map

Code Snippet

File Name freebsd-src-1/name.c

Method quote_string(const char *f, size_t len, int flags, size_t *rlen)

95. unsigned char map = char_map[from[i]] & flags;

Divide By Zero

Query Path:

CPP\Cx\CPP Medium Threat\Divide By Zero Version:1

Description

Divide By Zero\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&patl	hid=357
---------	---------

Status New

The application performs an illegal operation in mtree atol, in freebsd-src-

1/archive_read_support_format_mtree.c. In line 2032, the program attempts to divide by base, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input base in mtree atol of freebsd-src-1/archive read support format mtree.c, at line 2032.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	2049	2049
Object	base	base

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method mtree_atol(char **p, int base)

2049. limit = INT64_MIN / base;

Divide By Zero\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=358

Status New

The application performs an illegal operation in mtree_atol, in freebsd-src-

1/archive_read_support_format_mtree.c. In line 2032, the program attempts to divide by base, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input base in mtree atol of freebsd-src-1/archive read support format mtree.c, at line 2032.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	2050	2050
Object	base	base

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method mtree_atol(char **p, int base)

2050. last_digit_limit = -(INT64_MIN % base);

Divide By Zero\Path 3:

Severity Medium



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=359

Status New

The application performs an illegal operation in mtree atol, in freebsd-src-

1/archive_read_support_format_mtree.c. In line 2032, the program attempts to divide by base, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input base in mtree atol of freebsd-src-1/archive read support format mtree.c, at line 2032.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	2063	2063
Object	base	base

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method mtree_atol(char **p, int base)

2063. limit = INT64_MAX / base;

Divide By Zero\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=360

Status New

The application performs an illegal operation in mtree atol, in freebsd-src-

1/archive_read_support_format_mtree.c. In line 2032, the program attempts to divide by base, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input base in mtree atol of freebsd-src-1/archive read support format mtree.c, at line 2032.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	2064	2064
Object	base	base

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method mtree_atol(char **p, int base)

2064. last digit limit = INT64 MAX % base;

PAGE 288 OF 630



Divide By Zero\Path 5:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=361

Status New

The application performs an illegal operation in ocs_scsi_build_sgls, in freebsd-src-1/ocs_scsi.c. In line 685, the program attempts to divide by blocksize, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input blocksize in ocs_scsi_build_sgls of freebsd-src-1/ocs_scsi.c, at line 685.

	Source	Destination
File	freebsd-src-1/ocs_scsi.c	freebsd-src-1/ocs_scsi.c
Line	729	729
Object	blocksize	blocksize

Code Snippet

File Name freebsd-src-1/ocs_scsi.c

Method ocs_scsi_build_sgls(ocs_hw_t *hw, ocs_hw_io_t *hio, ocs_hw_dif_info_t

*hw_dif, ocs_scsi_sgl_t *sgl, uint32_t sgl_count, ocs_hw_io_type_e type)

729. if ((sgl[i].len % blocksize) != 0) {

Divide By Zero\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=362

Status New

The application performs an illegal operation in ocs_scsi_build_sgls, in freebsd-src-1/ocs_scsi.c. In line 685, the program attempts to divide by blocksize, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input blocksize in ocs_scsi_build_sgls of freebsd-src-1/ocs_scsi.c, at line 685.

	Source	Destination
File	freebsd-src-1/ocs_scsi.c	freebsd-src-1/ocs_scsi.c
Line	752	752
Object	blocksize	blocksize

Code Snippet

File Name freebsd-src-1/ocs scsi.c

Method ocs_scsi_build_sgls(ocs_hw_t *hw, ocs_hw_io_t *hio, ocs_hw_dif_info_t

*hw_dif, ocs_scsi_sgl_t *sgl, uint32_t sgl_count, ocs_hw_io_type_e type)



....
752. blockcount = sgl[i].len / blocksize;

Divide By Zero\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=363

Status New

The application performs an illegal operation in ssl3_write_bytes, in freebsd-src-1/rec_layer_s3.c. In line 354, the program attempts to divide by split_send_fragment, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input split_send_fragment in ssl3_write_bytes of freebsd-src-1/rec_layer_s3.c, at line 354.

	Source	Destination
File	freebsd-src-1/rec_layer_s3.c	freebsd-src-1/rec_layer_s3.c
Line	615	615
Object	split_send_fragment	split_send_fragment

Code Snippet

File Name freebsd-src-1/rec_layer_s3.c

Method int ssl3_write_bytes(SSL *s, int type, const void *buf_, size_t len,

numpipes = ((n - 1) / split_send_fragment) + 1;

Divide By Zero\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=364

Status New

The application performs an illegal operation in ssl3_write_bytes, in freebsd-src-1/rec_layer_s3.c. In line 354, the program attempts to divide by numpipes, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input numpipes in ssl3 write bytes of freebsd-src-1/rec_layer_s3.c, at line 354.

	Source	Destination
File	freebsd-src-1/rec_layer_s3.c	freebsd-src-1/rec_layer_s3.c
Line	619	619
Object	numpipes	numpipes

Code Snippet

File Name freebsd-src-1/rec_layer_s3.c



Divide By Zero\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=365

Status New

The application performs an illegal operation in ssl3_write_bytes, in freebsd-src-1/rec_layer_s3.c. In line 354, the program attempts to divide by numpipes, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input numpipes in ssl3 write bytes of freebsd-src-1/rec_layer_s3.c, at line 354.

	Source	Destination
File	freebsd-src-1/rec_layer_s3.c	freebsd-src-1/rec_layer_s3.c
Line	629	629
Object	numpipes	numpipes

Code Snippet

File Name freebsd-src-1/rec layer s3.c

Method int ssl3_write_bytes(SSL *s, int type, const void *buf_, size_t len,

tmppipelen = n / numpipes;

Divide By Zero\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=366

Status New

The application performs an illegal operation in ssl3_write_bytes, in freebsd-src-1/rec_layer_s3.c. In line 354, the program attempts to divide by numpipes, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input numpipes in ssl3_write_bytes of freebsd-src-1/rec_layer_s3.c, at line 354.

	Source	Destination
File	freebsd-src-1/rec_layer_s3.c	freebsd-src-1/rec_layer_s3.c
Line	630	630
Object	numpipes	numpipes

Code Snippet



File Name freebsd-src-1/rec_layer_s3.c

Method int ssl3_write_bytes(SSL *s, int type, const void *buf_, size_t len,

control
from the second s

Divide By Zero\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=367

Status New

The application performs an illegal operation in report_stats, in freebsd-src-1/lockstat.c. In line 1753, the program attempts to divide by total_bin_count, which might be evaluate to 0 (zero) at time of division. This value could be a hard-coded zero value, or received from external, untrusted input total_bin_count in report_stats of freebsd-src-1/lockstat.c, at line 1753.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1922	1922
Object	total_bin_count	total_bin_count

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, lsrec_t **sort_buf, size_t nrecs, uint64_t total_count,

Path Traversal

Query Path:

CPP\Cx\CPP Medium Threat\Path Traversal Version:0

Categories

OWASP Top 10 2013: A4-Insecure Direct Object References

OWASP Top 10 2017: A5-Broken Access Control

<u>Description</u>

Path Traversal\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=925

Status New



Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in loadfw at line 1939 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	1951
Object	argv	fname

```
Code Snippet
File Name freebsd-src-1/cxgbetool.c
Method main(int argc, const char *argv[])

....
3666. main(int argc, const char *argv[])

File Name freebsd-src-1/cxgbetool.c
Method loadfw(int argc, const char *argv[])

....
1951. fd = open(fname, O_RDONLY);
```

Path Traversal\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=926

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in loadcfg at line 1978 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	1993
Object	argv	fname

```
Code Snippet
```

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

A

File Name freebsd-src-1/cxgbetool.c



Method loadcfg(int argc, const char *argv[])
....
1993. fd = open(fname, O_RDONLY);

Path Traversal\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=927

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in loadboot at line 2085 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	2117
Object	argv	fname

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

A

File Name freebsd-src-1/cxgbetool.c

Method loadboot(int argc, const char *argv[])

fd = open(fname, O_RDONLY);

Path Traversal\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=928

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in loadbootcfg at line 2144 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c



Line	3666	2159
Object	argv	fname

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

¥

File Name freebsd-src-1/cxgbetool.c

Method loadbootcfg(int argc, const char *argv[])

fd = open(fname, O_RDONLY);

Path Traversal\Path 5:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=929

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in dumpstate at line 2021 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	2044
Object	argv	fname

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

¥

File Name freebsd-src-1/cxgbetool.c

Method dumpstate(int argc, const char *argv[])

fd = open(fname, O_CREAT | O_TRUNC | O_EXCL | O_WRONLY,



Path Traversal\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=930

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in parse offload policy at line 3377 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	3386
Object	argv	fname

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

¥

File Name freebsd-src-1/cxgbetool.c

Method parse_offload_policy(const char *fname, struct t4_offload_policy *op)

....
3386. fp = fopen(fname, "r");

Path Traversal\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=931

Status New

Method main at line 3666 of freebsd-src-1/cxgbetool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in real_doit at line 140 of freebsd-src-1/cxgbetool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	149
Object	argv	buf

Code Snippet

File Name freebsd-src-1/cxgbetool.c



```
Method main(int argc, const char *argv[])
....
3666. main(int argc, const char *argv[])

File Name freebsd-src-1/cxgbetool.c
Method real_doit(unsigned long cmd, void *data, const char *cmdstr)
....
149. if ((fd = open(buf, O_RDWR)) < 0) {</pre>
```

Path Traversal\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=932

Status New

Code Snippet

Method main at line 1744 of freebsd-src-1/cxgbtool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in load_fw at line 991 of freebsd-src-1/cxgbtool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1744	999
Object	argv	fname

```
freebsd-src-1/cxgbtool.c

Method freebsd-src-1/cxgbtool.c

main(int argc, char *argv[])

File Name freebsd-src-1/cxgbtool.c

Method load_fw(int argc, char *argv[], int start_arg, const char *iff_name)
```

fd = open(fname, O RDONLY);

Path Traversal\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

999.

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=933

Status New



Method main at line 1744 of freebsd-src-1/cxgbtool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in load_boot at line 1026 of freebsd-src-1/cxgbtool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1744	1034
Object	argv	fname

```
Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method main(int argc, char *argv[])

....

1744. main(int argc, char *argv[])

File Name freebsd-src-1/cxgbtool.c

Method load_boot(int argc, char *argv[], int start_arg, const char *iff_name)

....

1034. fd = open(fname, O_RDONLY);
```

Path Traversal\Path 10:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=934

Status New

Method main at line 1744 of freebsd-src-1/cxgbtool.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in doit at line 128 of freebsd-src-1/cxgbtool.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1744	136
Object	argv	buf

```
Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method main(int argc, char *argv[])

....

1744. main(int argc, char *argv[])
```



File Name freebsd-src-1/cxgbtool.c

Method doit(const char *iff_name, unsigned long cmd, void *data)

....

136. if ((fd = open(buf, O_RDWR)) < 0)

Path Traversal\Path 11:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=935

Status New

Method main at line 293 of freebsd-src-1/phttpget.c gets user input from the argy element. This element's value then flows through the code and is eventually used in a file path for local disk access in main at line 293 of freebsd-src-1/phttpget.c. This may cause a Path Traversal vulnerability.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	293	600
Object	argv	fname

Code Snippet

File Name freebsd-src-1/phttpget.c
Method main(int argc, char *argv[])

Stored Buffer Overflow boundcpy

Query Path:

CPP\Cx\CPP Stored Vulnerabilities\Stored Buffer Overflow boundcpy Version:1

Categories

NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Stored Buffer Overflow boundcpy\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1245

Status New



The size of the buffer used by SB_set_length in len, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	175
Object	fgetc	len

Stored Buffer Overflow boundcpy\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1246

Status New

The size of the buffer used by SB_set_length in len, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	175
Object	fgetc	len

Code Snippet

File Name freebsd-src-1/test_x509.c
Method conf_next_low(void)

657. x = fgetc(conf);

A

File Name freebsd-src-1/test_x509.c



```
Method SB_set_length(string_builder *sb, size_t len)

....

175. memset(sb->buf + sb->ptr, ' ', len - sb->ptr);
```

Stored Buffer Overflow boundcpy\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1247

Status New

The size of the buffer used by SB_set_length in BinaryExpr, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	175
Object	fgetc	BinaryExpr

```
Code Snippet
```

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

x = fgetc(conf);

*

File Name freebsd-src-1/test_x509.c

Method SB_set_length(string_builder *sb, size_t len)

175. memset(sb->buf + sb->ptr, ' ', len - sb->ptr);

Stored Buffer Overflow boundcpy\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1248

Status New

The size of the buffer used by SB_set_length in BinaryExpr, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.



File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	175
Object	fgetc	BinaryExpr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method conf_next_low(void)

....
657. x = fgetc(conf);

File Name freebsd-src-1/test_x509.c

Method SB_set_length(string_builder *sb, size_t len)

Stored Buffer Overflow boundcpy\Path 5:

Severity Medium
Result State To Verify
Online Results http://win-

175.

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

memset(sb->buf + sb->ptr, ' ', len - sb->ptr);

87&pathid=1249

Status New

The size of the buffer used by SB_set_length in ptr, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	175
Object	fgetc	ptr

Code Snippet

File Name freebsd-src-1/test_x509.c Method conf next low(void)

651. x = fgetc(conf);

File Name freebsd-src-1/test_x509.c

Method SB_set_length(string_builder *sb, size_t len)

....
175. memset(sb->buf + sb->ptr, ' ', len - sb->ptr);

٧



Stored Buffer Overflow boundcpy\Path 6:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1250

Status New

The size of the buffer used by SB_set_length in ptr, at line 171 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	175
Object	fgetc	ptr

Code Snippet

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

x = fgetc(conf);

y

File Name freebsd-src-1/test_x509.c

Method SB_set_length(string_builder *sb, size_t len)

175. memset(sb->buf + sb->ptr, ' ', len - sb->ptr);

Stored Buffer Overflow boundcpy\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1251

Status New

The size of the buffer used by SB_expand in ptr, at line 106 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf_next_low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	119
Object	fgetc	ptr

Code Snippet



Stored Buffer Overflow boundcpy\Path 8:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1252

Status New

The size of the buffer used by SB_expand in ptr, at line 106 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	119
Object	fgetc	ptr

Stored Buffer Overflow boundcpy\Path 9:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1253



Status New

The size of the buffer used by eqpkey in key, at line 1408 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read_all passes to BinaryExpr, at line 403 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	423	1429
Object	BinaryExpr	key

```
Code Snippet
```

File Name freebsd-src-1/test_x509.c Method read_all(FILE *f, size_t *len)

rlen = fread(buf + ptr, 1, blen - ptr, f);

¥

File Name freebsd-src-1/test_x509.c

Method eqpkey(const br_x509_pkey *pk1, const br_x509_pkey *pk2)

pk2->key.ec.q, pk1->key.ec.qlen) == 0;

Long Overflow

Query Path:

CPP\Cx\CPP Integer Overflow\Long Overflow Version:0

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows

FISMA 2014: System And Information Integrity

NIST SP 800-53: SI-10 Information Input Validation (P1)

Description

Long Overflow\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=499

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 550 of freebsd-src-1/b print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

		
	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	553	553
Object	AssignExpr	AssignExpr



File Name freebsd-src-1/b_print.c

Method static long roundv(LDOUBLE value)

553. intpart = (long)value;

Long Overflow\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=500

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 561 of freebsd-src-1/b print.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/b_print.c	freebsd-src-1/b_print.c
Line	663	663
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/b_print.c Method fmtfp(char **sbuffer,

663. intpart = (unsigned long)ufvalue;

Long Overflow\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=501

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 652 of freebsd-src-1/bsd-snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/bsd-snprintf.c	freebsd-src-1/bsd-snprintf.c
Line	656	656
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/bsd-snprintf.c

Method static LLONG ROUND(LDOUBLE value)



....
656. intpart = (LLONG) value;

Long Overflow\Path 4:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=502

Status New

A variable of a larger data type, AssignExpr, is being assigned to a smaller data type, in 665 of freebsd-src-1/bsd-snprintf.c. This will cause a loss of data, often the significant bits of a numerical value or the sign bit.

	Source	Destination
File	freebsd-src-1/bsd-snprintf.c	freebsd-src-1/bsd-snprintf.c
Line	673	673
Object	AssignExpr	AssignExpr

Code Snippet

File Name freebsd-src-1/bsd-snprintf.c

Method static double my_modf(double x0, double *iptr)

673. 1 = (long)x;

Use of Uninitialized Pointer

Ouerv Path:

CPP\Cx\CPP Medium Threat\Use of Uninitialized Pointer Version:0

Categories

NIST SP 800-53: SC-5 Denial of Service Protection (P1)

Description

Use of Uninitialized Pointer\Path 1:

Severity Medium
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1028

Status New

The variable declared in peer at freebsd-src-1/show.c in line 47 is not initialized when it is used by peer at freebsd-src-1/show.c in line 47.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	50	60
Object	peer	peer



File Name

freebsd-src-1/show.c

Method static void sort_peers(struct wgdevice *device)

```
50. struct wgpeer *peer, **peers;
....
60. peers[i++] = peer;
```

Use of Uninitialized Pointer\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1029

Status New

The variable declared in ifa at freebsd-src-1/in6_ifattach.c in line 242 is not initialized when it is used by ifa at freebsd-src-1/in6_ifattach.c in line 242.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	244	257
Object	ifa	ifa

Code Snippet

File Name

freebsd-src-1/in6_ifattach.c

Method

in6_get_hw_ifid(struct ifnet *ifp, struct in6_addr *in6)

```
...
244. struct ifaddr *ifa;
...
257. sdl = (struct sockaddr_dl *)ifa->ifa_addr;
```

Use of Uninitialized Pointer\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1030

Status New

The variable declared in ifa at freebsd-src-1/in6_ifattach.c in line 242 is not initialized when it is used by ifa addr at freebsd-src-1/in6_ifattach.c in line 242.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	244	255
Object	ifa	ifa_addr



File Name

freebsd-src-1/in6_ifattach.c

Method in6_get_hw_ifid(struct ifnet *ifp, struct in6_addr *in6)

```
244. struct ifaddr *ifa;
...
255. if (ifa->ifa_addr->sa_family != AF_LINK)
```

Wrong Memory Allocation

Query Path:

CPP\Cx\CPP Medium Threat\Wrong Memory Allocation Version:0

Categories

NIST SP 800-53: SI-10 Information Input Validation (P1)

Description

Wrong Memory Allocation\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1242

Status New

The function malloc in freebsd-src-1/mrsas.c at line 2324 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2429	2429
Object	sizeof	malloc

Code Snippet

File Name

freebsd-src-1/mrsas.c

Method mrsas_init_fw(struct mrsas_softc *sc)

```
....
2429. sc->ctrl_info = malloc(sizeof(struct mrsas_ctrl_info),
M_MRSAS, M_NOWAIT);
```

Wrong Memory Allocation\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1243

Status New

The function malloc in freebsd-src-1/mrsas.c at line 2324 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.



	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2488	2488
Object	sizeof	malloc

File Name freebsd-src-1/mrsas.c

Method mrsas_init_fw(struct mrsas_softc *sc)

....
2488. sc->streamDetectByLD[i] =
malloc(sizeof(LD_STREAM_DETECT), M_MRSAS, M_NOWAIT);

Wrong Memory Allocation\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1244

Status New

The function malloc in freebsd-src-1/property.c at line 47 assigns an incorrectly calculated size to a buffer, resulting in a mismatch between the value being written and the size of the buffer it is being written into.

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	51	51
Object	sizeof	malloc

Code Snippet

File Name freebsd-src-1/property.c

Method property_alloc(char *name, char *value)

if ((n = (properties)malloc(sizeof(struct _property))) == NULL)

Stored Buffer Overflow cpycat

Query Path:

CPP\Cx\CPP Stored Vulnerabilities\Stored Buffer Overflow cpycat Version:0

Categories

NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Stored Buffer Overflow cpycat\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1254

Status New

The size of the buffer used by my_popen in command, at line 67 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that get cpuid set passes to linebuf, at line 2334 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

		-
	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2510	92
Object	linebuf	command

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)

2510. while (fgets(linebuf, sizeof(linebuf), io) != NULL) {

*

File Name freebsd-src-1/pmcstudy.c

Method my popen(const char *command, const char *dir, pid t *p pid)

92. strcpy(cmd2, command);

Stored Buffer Overflow cpycat\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1255

Status New

The size of the buffer used by process_header in Address, at line 2064 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that build_counters_from_header passes to buffer, at line 2095 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2104	2086
Object	buffer	Address

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)



```
File Name freebsd-src-1/pmcstudy.c

Method process_header(int idx, char *p)

....

2086. strcpy(up->counter_name, &p[(i+1)]);
```

Stored Buffer Overflow cpycat\Path 3:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1256

Status New

The size of the buffer used by process_header in p, at line 2064 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that build_counters_from_header passes to buffer, at line 2095 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2104	2086
Object	buffer	p

```
Code Snippet
```

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)

2104. if (fgets(buffer, sizeof(buffer), io) == NULL) {

A

File Name freebsd-src-1/pmcstudy.c

Method process_header(int idx, char *p)

2086. strcpy(up->counter_name, &p[(i+1)]);

Buffer Overflow AddressOfLocalVarReturned

Query Path:

CPP\Cx\CPP Buffer Overflow\Buffer Overflow AddressOfLocalVarReturned Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SC-5 Denial of Service Protection (P1)



OWASP Top 10 2017: A1-Injection

Description

Buffer Overflow AddressOfLocalVarReturned\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=104

Status New

The pointer chacha20 at freebsd-src-1/e chacha20 poly1305.c in line 143 is being used after it has been freed.

	Source	Destination
File	freebsd-src-1/e_chacha20_poly1305.c	freebsd-src-1/e_chacha20_poly1305.c
Line	145	145
Object	chacha20	chacha20

Code Snippet

File Name freebsd-src-1/e_chacha20_poly1305.c

Method const EVP_CIPHER *EVP_chacha20(void)

145. return &chacha20;

Buffer Overflow AddressOfLocalVarReturned\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=105

Status New

The pointer rand chan at freebsd-src-1/acs.c in line 838 is being used after it has been freed.

	Source	Destination
File	freebsd-src-1/acs.c	freebsd-src-1/acs.c
Line	899	899
Object	rand_chan	rand_chan

Code Snippet

File Name freebsd-src-1/acs.c

Method acs_find_ideal_chan(struct hostapd_iface *iface)

899. return rand_chan;

Heap Inspection

Query Path:



CPP\Cx\CPP Medium Threat\Heap Inspection Version:1

Categories

OWASP Top 10 2013: A6-Sensitive Data Exposure

FISMA 2014: Media Protection

NIST SP 800-53: SC-4 Information in Shared Resources (P1)

OWASP Top 10 2017: A3-Sensitive Data Exposure

Description

Heap Inspection\Path 1:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=936

Status New

Method shadow_pw at line 129 of freebsd-src-1/xcrypt.c defines pw_password, which is designated to contain user passwords. However, while plaintext passwords are later assigned to pw_password, this variable is never cleared from memory.

	Source	Destination
File	freebsd-src-1/xcrypt.c	freebsd-src-1/xcrypt.c
Line	131	131
Object	pw_password	pw_password

Code Snippet

File Name freebsd-src-1/xcrypt.c

Method shadow_pw(struct passwd *pw)

131. char *pw password = pw->pw passwd;

Heap Inspection\Path 2:

Severity Medium
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=937

Status New

Method pick_salt at line 71 of freebsd-src-1/xcrypt.c defines passwd, which is designated to contain user passwords. However, while plaintext passwords are later assigned to passwd, this variable is never cleared from memory.

	Source	Destination
File	freebsd-src-1/xcrypt.c	freebsd-src-1/xcrypt.c
Line	74	74
Object	passwd	passwd

Code Snippet

File Name freebsd-src-1/xcrypt.c



Method pick_salt(void)
....
74. char *passwd, *p;

NULL Pointer Dereference

Query Path:

CPP\Cx\CPP Low Visibility\NULL Pointer Dereference Version:1

Categories

NIST SP 800-53: SC-5 Denial of Service Protection (P1)

OWASP Top 10 2017: A1-Injection

Description

NULL Pointer Dereference\Path 1:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1634

Status New

The variable declared in null at freebsd-src-1/archive_read_support_format_mtree.c in line 887 is not initialized when it is used by value at freebsd-src-1/archive_read_support_format_mtree.c in line 835.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	909	853
Object	null	value

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method process global unset(struct archive read *a,

909. *global = NULL;

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method remove_option(struct mtree_option **global, const char *value, size_t len)

853. free(iter->value);

NULL Pointer Dereference\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



	87&pathid=1635
Status	New

The variable declared in null at freebsd-src-1/archive_read_support_format_mtree.c in line 1175 is not initialized when it is used by st mtimespec at freebsd-src-1/archive read support format mtree.c in line 1175.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1281	1363
Object	null	st_mtimespec

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_file(struct archive_read *a, struct archive_entry *entry,

NULL Pointer Dereference\Path 3:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1636

Status New

The variable declared in null at freebsd-src-1/archive_read_support_format_mtree.c in line 1175 is not initialized when it is used by st mtimespec at freebsd-src-1/archive read support format mtree.c in line 1175.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1284	1363
Object	null	st_mtimespec

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_file(struct archive_read *a, struct archive_entry *entry,

st = NULL; 1363. st->st_mtimespec.tv_nsec);

NULL Pointer Dereference\Path 4:

Severity Low
Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1637

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 7689 is not initialized when it is used by Pointer at freebsd-src-1/authzone.c in line 1875.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7695	1947
Object	null	Pointer

Code Snippet

File Name freebsd-src-1/authzone.c

Method int auth_zone_generate_zonemd_check(struct auth_zone* z, int scheme,

7695. *reason = NULL;

A

File Name freebsd-src-1/authzone.c

Method static int auth_zone_zonemd_check_hash(struct auth_zone* z,

....
1947. verbose(VERB_ALGO, "auth-zone %s
ZONEMD %d %d is unsupported: %s", zstr, (int)scheme, (int)hashalgo,
*reason);

NULL Pointer Dereference\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1638

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 1875 is not initialized when it is used by Pointer at freebsd-src-1/authzone.c in line 1875.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1936	1947
Object	null	Pointer

Code Snippet

File Name freebsd-src-1/authzone.c

Method static int auth_zone_zonemd_check_hash(struct auth_zone* z,



NULL Pointer Dereference\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1639

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 7995 is not initialized when it is used by Pointer at freebsd-src-1/authzone.c in line 1875.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7999	1947
Object	null	Pointer

Code Snippet

File Name

freebsd-src-1/authzone.c

Method

auth_zone_verify_zonemd_with_key(struct auth_zone* z, struct module_env*

env,

```
....
7999. char* reason = NULL, *why_bogus = NULL;
```

A

File Name freebsd-src-1/authzone.c

Method static int auth_zone_zonemd_check_hash(struct auth_zone* z,

```
verbose(VERB_ALGO, "auth-zone %s
ZONEMD %d %d is unsupported: %s", zstr, (int)scheme, (int)hashalgo,
*reason);
```

NULL Pointer Dereference\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1640

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 2094 is not initialized when it is used by task transfer at freebsd-src-1/authzone.c in line 2094.



	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2097	2169
Object	null	task_transfer

File Name freebsd-src-1/authzone.c

Method auth_zones_cfg(struct auth_zones* az, struct config_auth* c)

NULL Pointer Dereference\Path 8:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1641

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 2094 is not initialized when it is used by task_probe at freebsd-src-1/authzone.c in line 2094.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2097	2164
Object	null	task_probe

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zones_cfg(struct auth_zones* az, struct config_auth* c)

NULL Pointer Dereference\Path 9:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1642

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 3558 is not initialized when it is used by rep at freebsd-src-1/authzone.c in line 3515.



	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3562	3527
Object	null	rep

File Name freebsd-src-1/authzone.c

Method int auth_zones_answer(struct auth_zones* az, struct module_env* env,

3562. struct dns_msg* msg = NULL;

٧

File Name freebsd-src-1/authzone.c

Method auth_answer_encode(struct query_info* qinfo, struct module_env* env,

3527. (int)FLAGS_GET_RCODE(msg->rep->flags), edns, repinfo,
temp, env->now tv)

NULL Pointer Dereference\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1643

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by task_probe at freebsd-src-1/authzone.c in line 6312.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	6318
Object	null	task_probe

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

....
3968. struct auth_master* list = NULL, *last = NULL;

¥

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)



....
6318. comm_point_delete(xfr->task_probe->cp);

NULL Pointer Dereference\Path 11:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1644

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by task probe at freebsd-src-1/authzone.c in line 6312.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	6315
Object	null	task_probe

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

....
3968. struct auth master* list = NULL, *last = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_probe_disown(struct auth_xfer* xfr)

6315. comm_timer_delete(xfr->task_probe->timer);

NULL Pointer Dereference\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1645

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by task_probe at freebsd-src-1/authzone.c in line 4130.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	4132



Object null task_probe

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

3968. struct auth_master* list = NULL, *last = NULL;

٧

File Name freebsd-src-1/authzone.c

Method xfr_probe_end_of_list(struct auth_xfer* xfr)

....
4132. return !xfr->task_probe->scan_specific && !xfr->task_probe->scan target;

NULL Pointer Dereference\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1646

Status New

The variable declared in null at freebsd-src-1/authzone.c in line 3966 is not initialized when it is used by task probe at freebsd-src-1/authzone.c in line 4130.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3968	4132
Object	null	task_probe

Code Snippet

File Name freebsd-src-1/authzone.c

Method probe_copy_masters_for_allow_notify(struct auth_xfer* xfr)

3968. struct auth_master* list = NULL, *last = NULL;

A

File Name freebsd-src-1/authzone.c

Method xfr_probe_end_of_list(struct auth_xfer* xfr)

4132. return !xfr->task_probe->scan_specific && !xfr->task_probe->scan_target;



NULL Pointer Dereference\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1647

Status New

The variable declared in null at freebsd-src-1/channels.c in line 640 is not initialized when it is used by host to connect at freebsd-src-1/channels.c in line 640.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	656	656
Object	null	host_to_connect

Code Snippet

File Name freebsd-src-1/channels.c

Method permission_set_add(struct ssh *ssh, int who, int where,

656. (*permp)[n].host_to_connect = MAYBE_DUP(host_to_connect);

NULL Pointer Dereference\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1648

Status New

The variable declared in null at freebsd-src-1/channels.c in line 640 is not initialized when it is used by listen_host at freebsd-src-1/channels.c in line 640.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	658	658
Object	null	listen_host

Code Snippet

File Name freebsd-src-1/channels.c

Method permission_set_add(struct ssh *ssh, int who, int where,

658. (*permp)[n].listen_host = MAYBE_DUP(listen_host);

NULL Pointer Dereference\Path 16:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1649

Status New

The variable declared in null at freebsd-src-1/channels.c in line 640 is not initialized when it is used by listen_path at freebsd-src-1/channels.c in line 640.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	659	659
Object	null	listen_path

Code Snippet

File Name freebsd-src-1/channels.c

Method permission_set_add(struct ssh *ssh, int who, int where,

....
659. (*permp)[n].listen_path = MAYBE_DUP(listen_path);

NULL Pointer Dereference\Path 17:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1650

Status New

The variable declared in null at freebsd-src-1/channels.c in line 3721 is not initialized when it is used by listening addr at freebsd-src-1/channels.c in line 3721.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3864	3864
Object	null	listening_addr

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

3864. c->listening_addr = addr == NULL ? NULL :
xstrdup(addr);

NULL Pointer Dereference\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



	87&nathid=1651
	<u>87&patiliu=1031</u>
Status	Now
Status	New

The variable declared in 0 at freebsd-src-1/channels.c in line 3721 is not initialized when it is used by listening port at freebsd-src-1/channels.c in line 3721.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3776	3867
Object	0	listening_port

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

....

3776. *allocated_listen_port = 0;
....

3867. c->listening port = *allocated listen port;

NULL Pointer Dereference\Path 19:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1652

Status New

The variable declared in null at freebsd-src-1/channels.c in line 4085 is not initialized when it is used by listening port at freebsd-src-1/channels.c in line 3721.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4093	3867
Object	null	listening_port

Code Snippet
File Name freebsd-src-1/channels.c

Method channel_setup_local_fwd_listener(struct ssh *ssh,

....
4093. SSH_CHANNEL_PORT_LISTENER, fwd, NULL, fwd_opts);

¥

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,



```
....
3867. c->listening_port = *allocated_listen_port;
```

NULL Pointer Dereference\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1653

Status New

The variable declared in null at freebsd-src-1/ec_asn1.c in line 585 is not initialized when it is used by seed at freebsd-src-1/ec asn1.c in line 585.

	Source	Destination
File	freebsd-src-1/ec_asn1.c	freebsd-src-1/ec_asn1.c
Line	588	764
Object	null	seed

Code Snippet

File Name freebsd-src-1/ec_asn1.c

Method EC_GROUP *EC_GROUP_new_from_ecparameters(const ECPARAMETERS

*params)

588. EC_GROUP *ret = NULL, *dup = NULL;
...
764. OPENSSL_free(ret->seed);

NULL Pointer Dereference\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1654

Status New

The variable declared in null at freebsd-src-1/ec_asn1.c in line 985 is not initialized when it is used by value at freebsd-src-1/ec_asn1.c in line 532.

	Source	Destination
File	freebsd-src-1/ec_asn1.c	freebsd-src-1/ec_asn1.c
Line	988	545
Object	null	value

Code Snippet

File Name freebsd-src-1/ec_asn1.c

Method int i2d_ECPKParameters(const EC_GROUP *a, unsigned char **out)



```
988.
                        ECPKPARAMETERS *tmp = EC GROUP get ecpkparameters(a, NULL);
                                                   ٧
File Name
             freebsd-src-1/ec_asn1.c
Method
             ECPKPARAMETERS *EC_GROUP_get_ecpkparameters(const EC_GROUP *group,
               . . . .
               545.
                                 ASN1 OBJECT free(ret->value.named curve);
```

NULL Pointer Dereference\Path 22:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1655

Status New

The variable declared in null at freebsd-src-1/ec asn1.c in line 985 is not initialized when it is used by value at freebsd-src-1/ec asn1.c in line 532.

	Source	Destination
File	freebsd-src-1/ec_asn1.c	freebsd-src-1/ec_asn1.c
Line	988	548
Object	null	value

Code Snippet File Name

freebsd-src-1/ec_asn1.c

Method int i2d_ECPKParameters(const EC_GROUP *a, unsigned char **out)

> ECPKPARAMETERS *tmp = EC GROUP get ecpkparameters(a, NULL); 988.

> > ٧

File Name freebsd-src-1/ec_asn1.c

ECPKPARAMETERS *EC_GROUP_get_ecpkparameters(const EC_GROUP *group, Method

> 548. ECPARAMETERS free (ret->value.parameters);

NULL Pointer Dereference\Path 23:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1656

Status New



The variable declared in null at freebsd-src-1/ec_asn1.c in line 985 is not initialized when it is used by value at freebsd-src-1/ec asn1.c in line 532.

	Source	Destination
File	freebsd-src-1/ec_asn1.c	freebsd-src-1/ec_asn1.c
Line	988	547
Object	null	value

```
Code Snippet
File Name freebsd-src-1/ec_asn1.c
Method int i2d_ECPKParameters(const EC_GROUP *a, unsigned char **out)

....
988. ECPKPARAMETERS *tmp = EC_GROUP_get_ecpkparameters(a, NULL);

File Name freebsd-src-1/ec_asn1.c
Method ECPKPARAMETERS *EC_GROUP_get_ecpkparameters(const EC_GROUP *group,

....
547. && ret->value.parameters != NULL)
```

NULL Pointer Dereference\Path 24:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1657

Status New

The variable declared in null at freebsd-src-1/imx6_ipu.c in line 1111 is not initialized when it is used by vdisplay at freebsd-src-1/imx6_ipu.c in line 1111.

	Source	Destination
File	freebsd-src-1/imx6_ipu.c	freebsd-src-1/imx6_ipu.c
Line	1127	1149
Object	null	vdisplay

NULL Pointer Dereference\Path 25:



Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1658

Status New

The variable declared in null at freebsd-src-1/imx6_ipu.c in line 1111 is not initialized when it is used by hdisplay at freebsd-src-1/imx6 ipu.c in line 1111.

	Source	Destination
File	freebsd-src-1/imx6_ipu.c	freebsd-src-1/imx6_ipu.c
Line	1127	1149
Object	null	hdisplay

Code Snippet

File Name freebsd-src-1/imx6_ipu.c

Method ipu_hdmi_event(void *arg, device_t hdmi_dev)

1127. videomode = NULL;

1149. videomode->hdisplay, videomode->vdisplay);

NULL Pointer Dereference\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1659

Status New

The variable declared in null at freebsd-src-1/sctp_sys_calls.c in line 877 is not initialized when it is used by recvv revinfo at freebsd-src-1/sctp_sys_calls.c in line 877.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	921	949
Object	null	recvv_rcvinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_recvv(int sd,

921. rcvinfo = NULL;
....
949. rn info->recvv rcvinfo = *rcvinfo;

NULL Pointer Dereference\Path 27:



Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1660

Status New

The variable declared in null at freebsd-src-1/sctp_sys_calls.c in line 877 is not initialized when it is used by recvv_nxtinfo at freebsd-src-1/sctp_sys_calls.c in line 877.

	Source	Destination
File	freebsd-src-1/sctp_sys_calls.c	freebsd-src-1/sctp_sys_calls.c
Line	922	950
Object	null	recvv_nxtinfo

Code Snippet

File Name freebsd-src-1/sctp_sys_calls.c

Method sctp_recvv(int sd,

922. nxtinfo = NULL;

950. rn_info->recvv_nxtinfo = *nxtinfo;

NULL Pointer Dereference\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1661

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 883 is not initialized when it is used by rdomain at freebsd-src-1/servconf.c in line 883.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	895	895
Object	null	rdomain

Code Snippet

File Name freebsd-src-1/servconf.c

Method queue_listen_addr(ServerOptions *options, const char *addr,

895. qla->rdomain = rdomain == NULL ? NULL : xstrdup(rdomain);

NULL Pointer Dereference\Path 29:

Severity Low



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1662

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by host at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1189
Object	null	host

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

٧

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1189. if (ci->host == NULL)

NULL Pointer Dereference\Path 30:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1663

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by host at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1128
Object	null	host

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,



```
File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

....

1128. ci->host ? ci->host : "(null)",
```

NULL Pointer Dereference\Path 31:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1664

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by host at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1128
Object	null	host

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1128. ci->host ? ci->host : "(null)",

NULL Pointer Dereference\Path 32:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1665



Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by address at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1209
Object	null	address

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

₩.

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

....
1209. "%.100s' at line %d", ci->address, arg, line);

NULL Pointer Dereference\Path 33:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1666

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by addr match list at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1206
Object	null	addr_match_list

Code Snippet

File Name freebsd-src-1/servconf.c

Method process server config line depth(ServerOptions *options, char *line,



```
File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

....

1206. switch (addr_match_list(ci->address, arg)) {
```

NULL Pointer Dereference\Path 34:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1667

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by address at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1204
Object	null	address

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

if (ci->address == NULL)

NULL Pointer Dereference\Path 35:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1668



Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by address at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1129
Object	null	address

```
Code Snippet
```

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

```
....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));
```

¥

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

```
....
1129. ci->address ? ci->address : "(null)",
```

NULL Pointer Dereference\Path 36:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1669

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by address at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1129
Object	null	address

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

```
....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL : connectinfo));
```



File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1129. ci->address ? ci->address : "(null)",

NULL Pointer Dereference\Path 37:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1670

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by laddress at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1234
Object	null	laddress

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

¥

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1234. ci->laddress, arg, line);

NULL Pointer Dereference\Path 38:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1671

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by addr match list at freebsd-src-1/servconf.c in line 1118.



	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1230
Object	null	addr_match_list

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

¥

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1230. switch (addr_match_list(ci->laddress, arg)) {

NULL Pointer Dereference\Path 39:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1672

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by laddress at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1227
Object	null	laddress

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)



if (ci->laddress == NULL)

NULL Pointer Dereference\Path 40:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1673

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by laddress at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1130
Object	null	laddress

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1130. ci->laddress ? ci->laddress : "(null)", ci>lport);

NULL Pointer Dereference\Path 41:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1674

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by laddress at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c



Line	2258	1130
Object	null	laddress

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

٧

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

1130. ci->laddress ? ci->laddress : "(null)", ci>lport);

NULL Pointer Dereference\Path 42:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1675

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by lport at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1130
Object	null	Iport

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)



```
....
1130. ci->laddress ? ci->laddress : "(null)", ci->lport);
```

NULL Pointer Dereference\Path 43:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1676

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by rdomain at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1267
Object	null	rdomain

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

....
1267. if (ci->rdomain == NULL)

NULL Pointer Dereference\Path 44:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1677

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by user at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c



Line	2258	1164
Object	null	user

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

¥

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

if (ci->user == NULL)

NULL Pointer Dereference\Path 45:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1678

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by match_cfg_line_group at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1178
Object	null	match_cfg_line_group

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)



```
....
1178. switch (match_cfg_line_group(arg, line, ci->user)) {
```

NULL Pointer Dereference\Path 46:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1679

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by user at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1176
Object	null	user

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

if (ci->user == NULL)

NULL Pointer Dereference\Path 47:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1680

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by user at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c



Line	2258	1127
Object	null	user

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

¥

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)

....
1127. "laddr %s lport %d", cp, ci->user ? ci->user :
"(null)",

NULL Pointer Dereference\Path 48:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1681

Status New

The variable declared in null at freebsd-src-1/servconf.c in line 1345 is not initialized when it is used by user at freebsd-src-1/servconf.c in line 1118.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2258	1127
Object	null	user

Code Snippet

File Name freebsd-src-1/servconf.c

Method process_server_config_line_depth(ServerOptions *options, char *line,

....
2258. (*inc_flags & SSHCFG_NEVERMATCH ? NULL :
connectinfo));

A

File Name freebsd-src-1/servconf.c

Method match_cfg_line(char **condition, int line, struct connection_info *ci)



```
....
1127. "laddr %s lport %d", cp, ci->user ? ci->user :
"(null)",
```

NULL Pointer Dereference\Path 49:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1682

Status New

The variable declared in null at freebsd-src-1/show.c in line 379 is not initialized when it is used by public_key at freebsd-src-1/show.c in line 253.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	440	261
Object	null	public_key

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])

....
440. struct wgdevice *device = NULL;

¥

File Name freebsd-src-1/show.c

Method static void dump_print(struct wgdevice *device, bool with_interface)

....
261. printf("%s\t", maybe_key(device->public_key, device->flags & WGDEVICE_HAS_PUBLIC_KEY));

NULL Pointer Dereference\Path 50:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1683

Status New

The variable declared in null at freebsd-src-1/show.c in line 379 is not initialized when it is used by public_key at freebsd-src-1/show.c in line 253.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c



Line	400	261
Object	null	public_key

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])

....
400. struct wgdevice *device = NULL;

¥

File Name freebsd-src-1/show.c

Method static void dump_print(struct wgdevice *device, bool with_interface)

....
261. printf("%s\t", maybe_key(device->public_key, device->flags & WGDEVICE_HAS_PUBLIC_KEY));

Improper Resource Access Authorization

Query Path:

CPP\Cx\CPP Low Visibility\Improper Resource Access Authorization Version:1

Categories

FISMA 2014: Identification And Authentication NIST SP 800-53: AC-3 Access Enforcement (P1) OWASP Top 10 2017: A2-Broken Authentication

Description

Improper Resource Access Authorization\Path 1:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1257

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3626	3626
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/cxgbetool.c Method run_cmd_loop(void)

3626. buf = fgets(buffer, sizeof(buffer), stdin);

Improper Resource Access Authorization\Path 2:



Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1258

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	249	249
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

.... 249. while ((fgets(buf, BUFSIZ, tmp)) != NULL) {

Improper Resource Access Authorization\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1259

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1136	1136
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_resetconfig(int argc, char * const *argv)

1136. fgets(reply, sizeof(reply), stdin);

Improper Resource Access Authorization\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1260

Status New

Source Destination



File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2104	2104
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)

2104. if (fgets(buffer, sizeof(buffer), io) == NULL) {

Improper Resource Access Authorization\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1261

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2160	2160
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method read_a_line(FILE *io)

2160. if (fgets(buffer, sizeof(buffer), io) == NULL) {

Improper Resource Access Authorization\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1262

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2510	2510
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method get_cpuid_set(void)



....
2510. while (fgets(linebuf, sizeof(linebuf), io) != NULL) {

Improper Resource Access Authorization\Path 7:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1263

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2591	2591
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

2591. if (fgets(line, sizeof(line), io) == NULL) {

Improper Resource Access Authorization\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1264

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2607	2607
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

2607. if (fgets(line, sizeof(line), io) == NULL) {

Improper Resource Access Authorization\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1265

Status New

Source Destination

File freebsd-src-1/test_x509.c freebsd-src-1/test_x509.c

Line 651 651

Object fgetc fgetc

Code Snippet

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

x = fgetc(conf);

Improper Resource Access Authorization\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1266

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	657
Object	fgetc	fgetc

Code Snippet

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

.... x = fgetc(conf);

Improper Resource Access Authorization\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1267

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3626	3626



Object buffer buffer

Code Snippet

File Name freebsd-src-1/cxgbetool.c Method run_cmd_loop(void)

....
3626. buf = fgets(buffer, sizeof(buffer), stdin);

Improper Resource Access Authorization\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1268

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	249	249
Object	buf	buf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

.... 249. while ((fgets(buf, BUFSIZ, tmp)) != NULL) {

Improper Resource Access Authorization\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1269

Status New

	Source	Destination	
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c	
Line	1136	1136	
Object	reply	reply	

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_resetconfig(int argc, char * const *argv)



fgets(reply, sizeof(reply), stdin);

Improper Resource Access Authorization\Path 14:

Severity Low Result State To Ver

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1270

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2104	2104
Object	buffer	buffer

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)

2104. if (fgets(buffer, sizeof(buffer), io) == NULL) {

Improper Resource Access Authorization\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1271

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2160	2160
Object	buffer	buffer

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method read_a_line(FILE *io)

2160. if (fgets(buffer, sizeof(buffer), io) == NULL) {

Improper Resource Access Authorization\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1272

Status New

Source Destination

File freebsd-src-1/pmcstudy.c freebsd-src-1/pmcstudy.c

Line 2510 2510

Object linebuf linebuf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method get_cpuid_set(void)

2510. while (fgets(linebuf, sizeof(linebuf), io) != NULL) {

Improper Resource Access Authorization\Path 17:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1273

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2591	2591
Object	line	line

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

2591. if (fgets(line, sizeof(line), io) == NULL) {

Improper Resource Access Authorization\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1274

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2607	2607



Object line line

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

if (fgets(line, sizeof(line), io) == NULL) {

Improper Resource Access Authorization\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1275

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	67	67
Object	sfbuf	sfbuf

Code Snippet

File Name freebsd-src-1/buf.c

Method get_sbuf_line(line_t *lp)

....
67. if (fread(sfbuf, sizeof(char), len, sfp) != len) {

Improper Resource Access Authorization\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1276

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	423	423
Object	BinaryExpr	BinaryExpr

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_all(FILE *f, size_t *len)



rlen = fread(buf + ptr, 1, blen - ptr, f);

Improper Resource Access Authorization\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1277

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1904	1904
Object	buff	buff

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method read_data(struct archive_read *a, const void **buff, size_t *size,

1904. bytes_read = read(mtree->fd, mtree->buff, bytes_to_read);

Improper Resource Access Authorization\Path 22:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1278

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2098	2098
Object	buf	buf

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handle_rfd(struct ssh *ssh, Channel *c)

2098. len = read(c->rfd, buf, sizeof(buf));

Improper Resource Access Authorization\Path 23:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1279

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2266	2266
Object	buf	buf

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handle_efd_read(struct ssh *ssh, Channel *c)

2266. len = read(c->efd, buf, sizeof(buf));

Improper Resource Access Authorization\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1280

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2348	2348
Object	buf	buf

Code Snippet

File Name freebsd-src-1/channels.c

Method read_mux(struct ssh *ssh, Channel *c, u_int need)

2348. len = read(c->rfd, buf, MINIMUM(rlen, CHAN_RBUF));

Improper Resource Access Authorization\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1281

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c



Line	1008	1008
Object	buf	buf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_fw(int argc, char *argv[], int start_arg, const char *iff_name)

1008. len = read(fd, op.buf, MAX_FW_IMAGE_SIZE + 1);

Improper Resource Access Authorization\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1282

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1042	1042
Object	buf	buf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_boot(int argc, char *argv[], int start_arg, const char *iff_name)

....
1042. len = read(fd, op.buf, MAX_BOOT_IMAGE_SIZE + 1);

Improper Resource Access Authorization\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1283

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1715	1715
Object	buf	buf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)



```
n = read(STDIN_FILENO, buf, sizeof(buf) - 1);
```

Improper Resource Access Authorization\Path 28:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1284

Status New

	Source	Destination
File	freebsd-src-1/property.c	freebsd-src-1/property.c
Line	96	96
Object	buf	buf

Code Snippet

File Name freebsd-src-1/property.c Method properties_read(int fd)

96. if ((max = read(fd, buf, sizeof buf)) < 0) {

Improper Resource Access Authorization\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1285

Status New

	Source	Destination
File	freebsd-src-1/query.c	freebsd-src-1/query.c
Line	1195	1195
Object	buf	buf

Code Snippet

File Name freebsd-src-1/query.c

Method query_socket_read(struct query_state *qstate, void *buf, size_t nbytes)

1195. result = read(qstate->sockfd, buf, nbytes);

Improper Resource Access Authorization\Path 30:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1286

Status New

Source Destination

File freebsd-src-1/buf.c freebsd-src-1/buf.c

Line 60 60

Object fprintf fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method get_sbuf_line(line_t *lp)

fprintf(stderr, "%s\n", strerror(errno));

Improper Resource Access Authorization\Path 31:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1287

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	68	68
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/buf.c
Method get_sbuf_line(line_t *lp)

68. fprintf(stderr, "%s\n", strerror(errno));

Improper Resource Access Authorization\Path 32:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1288

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	88	88



Object fprintf fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)

88. fprintf(stderr, "%s\n", strerror(errno));

Improper Resource Access Authorization\Path 33:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1289

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	104	104
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)

104. fprintf(stderr, "%s\n", strerror(errno));

Improper Resource Access Authorization\Path 34:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1290

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	115	115
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)



fprintf(stderr, "%s\n", strerror(errno));

Improper Resource Access Authorization\Path 35:

Severity Low
Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1291

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	220	220
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/buf.c Method close_sbuf(void)

220. fprintf(stderr, "%s: %s\n", sfn,

strerror(errno));

Improper Resource Access Authorization\Path 36:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1292

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	93	93
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method usage(FILE *fp)

....
93. fprintf(fp, "Usage: %s <nexus> [operation]\n", progname);

Improper Resource Access Authorization\Path 37:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1293

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	94	94
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method usage(FILE *fp)

94. fprintf(fp,

Improper Resource Access Authorization\Path 38:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1294

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	313	313
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method dump_regs_table(int argc, const char *argv[], const uint32_t *regs,

fprintf(stderr, "\nAvailable blocks:");

Improper Resource Access Authorization\Path 39:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1295

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c



Line 315 315
Object fprintf fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method dump_regs_table(int argc, const char *argv[], const uint32_t *regs,

fprintf(stderr, " %s", modtab->name);

Improper Resource Access Authorization\Path 40:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1296

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	316	316
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method dump_regs_table(int argc, const char *argv[], const uint32_t *regs,

.... 316. fprintf(stderr, "\n");

Improper Resource Access Authorization\Path 41:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1297

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3624	3624
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c Method run_cmd_loop(void)



....
3624. fprintf(stdout, "> ");

Improper Resource Access Authorization\Path 42:

Severity Low

Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1298

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	91	91
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method usage(FILE *fp)

91. fprintf(fp, "Usage: %s <interface> [operation]\n", progname);

Improper Resource Access Authorization\Path 43:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1299

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	92	92
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method usage(FILE *fp)

92. fprintf(fp,

Improper Resource Access Authorization\Path 44:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1300

Status New

Source Destination

File freebsd-src-1/cxgbtool.c freebsd-src-1/cxgbtool.c

Line 1713 1713

Object fprintf fprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

1713. fprintf(stdout, "> ");

Improper Resource Access Authorization\Path 45:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1301

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1444	1444
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method printconfig(FILE *of, const char *comment)

1444. fprintf(of, "# Vinum configuration of %s, saved at %s",

Improper Resource Access Authorization\Path 46:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1302

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1449	1449



Object fprintf fprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method printconfig(FILE *of, const char *comment)

1449. fprintf(of, "# Current configuration:\n");

Improper Resource Access Authorization\Path 47:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1303

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1451	1451
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method printconfig(FILE *of, const char *comment)

.... 1451. fprintf(of, "%s", buf);

Improper Resource Access Authorization\Path 48:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1304

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	179	179
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/http.c

Method http_new_chunk(struct httpio *io)



Improper Resource Access Authorization\Path 49:

Severity Low

Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1305

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	181	181
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/http.c

Method http_new_chunk(struct httpio *io)

....
181. fprintf(stderr, "%s(): new chunk: %lu (%lu)\n",

Improper Resource Access Authorization\Path 50:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1306

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1963	1963
Object	fprintf	fprintf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_trace(FILE *out, lsrec_t **sort_buf)

....
1963. (void) fprintf(out, "%5s %7s %11s %-24s %-24s\n",

Unchecked Return Value

Query Path:

CPP\Cx\CPP Low Visibility\Unchecked Return Value Version:1



Categories

NIST SP 800-53: SI-11 Error Handling (P2)

Description

Unchecked Return Value\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1476

Status New

The archive_read_format_lha_read_header method calls the snprintf function, at line 475 of freebsd-src-l/archive_read_support_format_lha.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	742	742
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/archive_read_support_format_lha.c

Method archive_read_format_lha_read_header(struct archive_read *a,

....
742. snprintf(lha->format_name, sizeof(lha->format_name), "lha -%c%c%c-",

Unchecked Return Value\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1477

Status New

The auth_zone_generate_answer method calls the snprintf function, at line 3425 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3455	3455
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_generate_answer(struct auth_zone* z, struct query_info* qinfo,



else snprintf(nname, sizeof(nname), "NULL");

Unchecked Return Value\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1478

Status New

The auth_zone_generate_answer method calls the snprintf function, at line 3425 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3459	3459
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_generate_answer(struct auth_zone* z, struct query_info* qinfo,

3459. else snprintf(cename, sizeof(cename), "NULL");

Unchecked Return Value\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1479

Status New

The auth_zone_generate_answer method calls the snprintf function, at line 3425 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	3462	3462
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_generate_answer(struct auth_zone* z, struct query_info* qinfo,



else snprintf(rrstr, sizeof(rrstr), "NULL");

Unchecked Return Value\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1480

Status New

The xfr_write_after_update method calls the snprintf function, at line 5165 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5210	5210
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_write_after_update(struct auth_xfer* xfr, struct module_env* env)

5210. snprintf(tmpfile, sizeof(tmpfile), "%s.tmp%u", zfilename,

Unchecked Return Value\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1481

Status New

The xfr_transfer_lookup_host method calls the snprintf function, at line 5374 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5411	5411
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_transfer_lookup_host(struct auth_xfer* xfr, struct module_env* env)



....
5411. snprintf(buf1, sizeof(buf1), "auth zone %s: master lookup"

Unchecked Return Value\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1482

Status New

The xfr_probe_lookup_host method calls the snprintf function, at line 6565 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	6604	6604
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method xfr_probe_lookup_host(struct auth_xfer* xfr, struct module_env* env)

snprintf(buf1, sizeof(buf1), "auth zone %s: master
lookup"

Unchecked Return Value\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1483

Status New

The auth_zone_zonemd_fail method calls the snprintf function, at line 7947 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	7958	7958
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c



Method static void auth_zone_zonemd_fail(struct auth_zone* z, struct module_env* env,
....
7958. snprintf(res, sizeof(res), "%s: %s", reason,

Unchecked Return Value\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1484

Status New

The zonemd_lookup_dnskey method calls the snprintf function, at line 8350 of freebsd-src-1/authzone.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	8387	8387
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/authzone.c

Method zonemd_lookup_dnskey(struct auth_zone* z, struct module_env* env)

8387. snprintf(buf1, sizeof(buf1), "auth zone %s: lookup %s"

Unchecked Return Value\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1485

Status New

The channel_post_x11_listener method calls the snprintf function, at line 1774 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	1806	1806
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c



Method channel_post_x11_listener(struct ssh *ssh, Channel *c)

....
1806. snprintf(buf, sizeof buf, "X11 connection from %.200s port %d",

Unchecked Return Value\Path 11:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1486

Status New

The channel_setup_fwd_listener_tcpip method calls the snprintf function, at line 3721 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3763	3763
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

....
3763. snprintf(strport, sizeof strport, "%d", fwd->listen_port);

Unchecked Return Value\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1487

Status New

The connect_to_helper method calls the snprintf function, at line 4598 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4636	4636
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c



Method connect_to_helper(struct ssh *ssh, const char *name, int port, int socktype,
....

4636. snprintf(strport, sizeof strport, "%d", port);

Unchecked Return Value\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1488

Status New

The x11_create_display_inet method calls the snprintf function, at line 4939 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4961	4961
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_create_display_inet(struct ssh *ssh, int x11_display_offset,

4961. snprintf(strport, sizeof strport, "%d", port);

Unchecked Return Value\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1489

Status New

The connect_local_xsocket method calls the snprintf function, at line 5061 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	5064	5064
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c

Method connect_local_xsocket(u_int dnr)



```
....
5064. snprintf(buf, sizeof buf, _PATH_UNIX_X, dnr);
```

Unchecked Return Value\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1490

Status New

The x11_connect_display method calls the snprintf function, at line 5096 of freebsd-src-1/channels.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	5180	5180
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_connect_display(struct ssh *ssh)

.... snprintf(strport, sizeof strport, "%u", 6000 + display number);

Unchecked Return Value\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1491

Status New

The real_doit method calls the snprintf function, at line 140 of freebsd-src-1/cxgbetool.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	148	148
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method real_doit(unsigned long cmd, void *data, const char *cmdstr)



....
148. snprintf(buf, sizeof(buf), "/dev/%s", nexus);

Unchecked Return Value\Path 17:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1492

Status New

The display_clip method calls the snprintf function, at line 3488 of freebsd-src-1/cxgbetool.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3500	3500
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method display_clip(void)

....
3500. snprintf(name, sizeof(name), "dev.t%unex.%u.misc.clip",
chip id, inst);

Unchecked Return Value\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1493

Status New

The doit method calls the snprintf function, at line 128 of freebsd-src-1/cxgbtool.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	134	134
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method doit(const char *iff_name, unsigned long cmd, void *data)



```
....
134. snprintf(buf, 64, "/dev/%s", iff_name);
```

Unchecked Return Value\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1494

Status New

The show_filters method calls the sprintf function, at line 1284 of freebsd-src-1/cxgbtool.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1314	1314
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method show_filters(const char *iff_name)

....
1314. sprintf(sip, "%u.%u.%u.%u/%-2u", nsip.octet[0], nsip.octet[1],

Unchecked Return Value\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1495

Status New

The show_filters method calls the sprintf function, at line 1284 of freebsd-src-1/cxgbtool.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1317	1317
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method show_filters(const char *iff_name)



```
....
1317. sprintf(dip, "%u.%u.%u.%u", ndip.octet[0], ndip.octet[1],
```

Unchecked Return Value\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1496

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	208	208
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

....
208. snprintf(tmpfile, sizeof(tmpfile),
"/tmp/gvinum.XXXXXX");

Unchecked Return Value\Path 22:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1497

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	225	225
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c



```
Method gvinum_create(int argc, char * const *argv)

....
225. snprintf(commandline, sizeof(commandline), "%s %s", ed,
```

Unchecked Return Value\Path 23:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1498

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	293	293
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

293. snprintf(buf1, sizeof(buf1), "volume%d",
volumes);

Unchecked Return Value\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1499

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	313	313
Object	snprintf	snprintf

Code Snippet



File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

....

313. snprintf(p->name, sizeof(p->name),

"%s.p%d",

Unchecked Return Value\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1500

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	319	319
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

....
319. snprintf(p->volume, sizeof(p->volume),
"%s",

Unchecked Return Value\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1501

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	329	329
Object	snprintf	snprintf



Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

329. snprintf(buf1, sizeof(buf1), "plex%d", plexes);

Unchecked Return Value\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1502

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	350	350
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

350. snprintf(s->name, sizeof(s->name),

Unchecked Return Value\Path 28:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1503

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	354	354
Object	snprintf	snprintf

Code Snippet



File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

snprintf(s->name, sizeof(s->name),

Unchecked Return Value\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1504

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	361	361
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

....
361. snprintf(s->plex, sizeof(s->plex), "%s",
plex);

Unchecked Return Value\Path 30:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1505

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	363	363
Object	snprintf	snprintf

Code Snippet



File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

363. snprintf(buf1, sizeof(buf1), "sd%d", subdisks);

Unchecked Return Value\Path 31:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1506

Status New

The gvinum_create method calls the snprintf function, at line 175 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	379	379
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

379. snprintf(buf1, sizeof(buf1), "drive%d", drives);

Unchecked Return Value\Path 32:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1507

Status New

The create_volume method calls the snprintf function, at line 489 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	520	520
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c



Method create_volume(int argc, char * const *argv, const char *verb)

....
520. snprintf(buf, sizeof(buf), "drive%d", drives++);

Unchecked Return Value\Path 33:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1508

Status New

The find_name method calls the snprintf function, at line 569 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	601	601
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method find_name(const char *prefix, int type, int namelen)

snprintf(sname, namelen, "%s%d", prefix, n);

Unchecked Return Value\Path 34:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1509

Status New

The gvinum_list method calls the snprintf function, at line 806 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	858	858
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_list(int argc, char * const *argv)



snprintf(buf, sizeof(buf), "argv%d", i);

Unchecked Return Value\Path 35:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1510

Status New

The gvinum_move method calls the snprintf function, at line 887 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	930	930
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_move(int argc, char * const *argv)

930. snprintf(buf, sizeof(buf), "argv%d", i);

Unchecked Return Value\Path 36:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1511

Status New

The gvinum_rm method calls the snprintf function, at line 1061 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1093	1093
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_rm(int argc, char * const *argv)



....
1093. snprintf(buf, sizeof(buf), "argv%d", i);

Unchecked Return Value\Path 37:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1512

Status New

The gvinum_resetconfig method calls the fgets function, at line 1107 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1136	1136
Object	fgets	fgets

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_resetconfig(int argc, char * const *argv)

1136. fgets(reply, sizeof(reply), stdin);

Unchecked Return Value\Path 38:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1513

Status New

The gvinum_start method calls the snprintf function, at line 1171 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1208	1208
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_start(int argc, char * const *argv)



....
1208. snprintf(buf, sizeof(buf), "argv%d", i);

Unchecked Return Value\Path 39:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1514

Status New

The gvinum_grow method calls the snprintf function, at line 1270 of freebsd-src-1/gvinum.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1312	1312
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_grow(int argc, char * const *argv)

....
1312. snprintf(sdprefix, sizeof(sdprefix), "%s.s", argv[1]);

Unchecked Return Value\Path 40:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1515

Status New

The http_digest_auth method calls the sprintf function, at line 1249 of freebsd-src-1/http.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1275	1275
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/http.c

Method http_digest_auth(conn_t *conn, const char *hdr, http_auth_challenge_t *c,



....
1275. sprintf(noncecount, "%08x", c->nc);

Unchecked Return Value\Path 41:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1516

Status New

The http_digest_auth method calls the sprintf function, at line 1249 of freebsd-src-1/http.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1277	1277
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/http.c

Method http_digest_auth(conn_t *conn, const char *hdr, http_auth_challenge_t *c,

1277. sprintf(cnonce, "%x%lx", getpid(), (unsigned long)time(0));

Unchecked Return Value\Path 42:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1517

Status New

The http_request_body method calls the snprintf function, at line 1585 of freebsd-src-1/http.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1656	1656
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,



```
....
1656. snprintf(hbuf, sizeof(hbuf), "%s:%d", host, url-
>port);
```

Unchecked Return Value\Path 43:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1518

Status New

The bge_probe method calls the snprintf function, at line 2702 of freebsd-src-1/if_bge.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	2724	2724
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/if_bge.c Method bge_probe(device_t dev)

> 2724. pname);

snprintf(model, sizeof(model), "%s",

Unchecked Return Value\Path 44:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1519

Status New

The bge_probe method calls the snprintf function, at line 2702 of freebsd-src-1/if_bge.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	2727	2727
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/if_bge.c



Method bge_probe(device_t dev)
....
2727. snprintf(model, sizeof(model), "%s %s",

Unchecked Return Value\Path 45:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1520

Status New

The bge_probe method calls the snprintf function, at line 2702 of freebsd-src-1/if_bge.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	2732	2732
Object	snprintf	snprintf

Code Snippet

File Name freebsd-src-1/if_bge.c Method bge_probe(device_t dev)

2732. snprintf(buf, sizeof(buf), "%s, %sASIC rev. %#08x",

Unchecked Return Value\Path 46:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1521

Status New

The predicate_add method calls the sprintf function, at line 590 of freebsd-src-1/lockstat.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	609	609
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/lockstat.c



Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)
....
609. (void) sprintf(new, "(%s) && (%s %s %p)",

Unchecked Return Value\Path 47:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1522

Status New

The predicate_add method calls the sprintf function, at line 590 of freebsd-src-1/lockstat.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	612	612
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)

.... 612. (void) sprintf(new, "(%s) && (%s)", *pred, what);

Unchecked Return Value\Path 48:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1523

Status New

The predicate_add method calls the sprintf function, at line 590 of freebsd-src-1/lockstat.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	616	616
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/lockstat.c



Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)
....
616. (void) sprintf(new, "%s %s %p",

Unchecked Return Value\Path 49:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1524

Status New

The predicate_add method calls the sprintf function, at line 590 of freebsd-src-1/lockstat.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	619	619
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate add(char **pred, char *what, char *cmp, uintptr t value)

continuous (void) sprintf(new, "%s", what);

Unchecked Return Value\Path 50:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1525

Status New

The filter_add method calls the sprintf function, at line 635 of freebsd-src-1/lockstat.c. However, the code does not check the return value from this function, and thus would not detect runtime errors or other unexpected states.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	646	646
Object	sprintf	sprintf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method filter_add(char **filt, char *what, uintptr_t base, size_t size)



```
....
646. (void) sprintf(c, "%s(%s >= 0x%p && %s < 0x%p)", *filt[0] != '\0' ?
```

Unchecked Array Index

Query Path:

CPP\Cx\CPP Low Visibility\Unchecked Array Index Version:1

Categories

NIST SP 800-53: SI-10 Information Input Validation (P1)

Description

Unchecked Array Index\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1833

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1586	1586
Object	j	j

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_digest(struct archive_read *a, struct archive_entry *entry,

1586. digest_buf[j] = high << 4 | low;

Unchecked Array Index\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1834

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2737	2737
Object	rrset_count	rrset_count

Code Snippet

File Name freebsd-src-1/authzone.c



Method add_synth_cname(struct auth_zone* z, uint8_t* qname, size_t qname_len,

....
2737. msg->rep->rrsets[msg->rep->rrset_count] = cname;

Unchecked Array Index\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1835

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	279	279
Object	i	i

Code Snippet

File Name freebsd-src-1/buf.c

Method translit_text(char *s, int len, int from, int to)

Unchecked Array Index\Path 4:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1836

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	482	482
Object	found	found

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_new(struct ssh *ssh, char *ctype, int type, int rfd, int wfd, int efd,

c = sc->channels[found] = xcalloc(1, sizeof(Channel));

Unchecked Array Index\Path 5:

Severity Low



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1837

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2492	2492
Object	SSH_CHANNEL_X11_LISTENER	SSH_CHANNEL_X11_LISTENER

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

2492. pre[SSH_CHANNEL_X11_LISTENER] =
 &channel_pre_listener;

Unchecked Array Index\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1838

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2493	2493
Object	SSH_CHANNEL_AUTH_SOCKET	SSH_CHANNEL_AUTH_SOCKET

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

Unchecked Array Index\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1839

Status New

Source Destination



File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2494	2494
Object	SSH_CHANNEL_CONNECTING	SSH_CHANNEL_CONNECTING

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

2494. pre[SSH_CHANNEL_CONNECTING] = &channel_pre_connecting;

Unchecked Array Index\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1840

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2505	2505
Object	SSH_CHANNEL_X11_LISTENER	SSH_CHANNEL_X11_LISTENER

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

2505. post[SSH_CHANNEL_X11_LISTENER] =
 &channel post x11 listener;

Unchecked Array Index\Path 9:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1841

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2506	2506
Object	SSH_CHANNEL_AUTH_SOCKET	SSH_CHANNEL_AUTH_SOCKET

Code Snippet

File Name freebsd-src-1/channels.c



Method channel_handler_init(struct ssh_channels *sc)

Unchecked Array Index\Path 10:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1842

Status New

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	2507	2507
Object	SSH_CHANNEL_CONNECTING	SSH_CHANNEL_CONNECTING

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_handler_init(struct ssh_channels *sc)

Unchecked Array Index\Path 11:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1843

Status New

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	2867	2867
Object	ru_alloc	ru_alloc

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method static void ath11k_dp_rx_update_peer_stats(struct ath11k_sta *arsta,

2867. rx_stats->ru_alloc_cnt[ppdu_info->ru_alloc] += num_msdu;

Unchecked Array Index\Path 12:



Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1844

Status New

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	736	736
Object	I	1

Code Snippet

File Name freebsd-src-1/http.c

Method http_header_lex(const char **cpp, char *buf)

736. buf[1] = 0;

Unchecked Array Index\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1845

Status New

	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	5314	5314
Object	idx	idx

Code Snippet

File Name freebsd-src-1/if_bge.c

Method bge_encap(struct bge_softc *sc, struct mbuf **m_head, uint32_t *txidx)

5314. sc->bge_cdata.bge_tx_dmamap[idx] = map;

Unchecked Array Index\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1846

Status New

Source Destination



File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	5315	5315
Object	idx	idx

File Name freebsd-src-1/if_bge.c

Method bge_encap(struct bge_softc *sc, struct mbuf **m_head, uint32_t *txidx)

5315. sc->bge_cdata.bge_tx_chain[idx] = m;

Unchecked Array Index\Path 15:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1847

Status New

	Source	Destination
File	freebsd-src-1/imx6_ipu.c	freebsd-src-1/imx6_ipu.c
Line	419	419
Object	datapos	datapos

Code Snippet

File Name freebsd-src-1/imx6_ipu.c

Method ipu_ch_param_set_value(struct ipu_cpmem_ch_param *param,

....
419. param->word[word].data[datapos] = data;

Unchecked Array Index\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1848

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	78	78
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_init(struct module_env* env, int id)



78. env->modinfo[id] = (void*)ipsecmod_env;

Unchecked Array Index\Path 17:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1849

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	106	106
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_new(struct module_qstate* qstate, int id)

....
106. qstate->minfo[id] = iq;

Unchecked Array Index\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1850

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	126	126
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_error(struct module_qstate* qstate, int id)

Unchecked Array Index\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1851

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	171	171
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method generate_request(struct module_qstate* qstate, int id, uint8_t* name,

Unchecked Array Index\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1852

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	394	394
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_handle_query(struct module_qstate* qstate,

394. qstate->ext_state[id] = module_wait_module;

Unchecked Array Index\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1853

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	410	410



Object id id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_handle_query(struct module_qstate* qstate,

.... 110

410. qstate->ext_state[id] = module_wait_module;

Unchecked Array Index\Path 22:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1854

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	462	462
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_handle_query(struct module_qstate* qstate,

. . . .

qstate->ext_state[id] = module_finished;

Unchecked Array Index\Path 23:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1855

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	601	601
Object	id	id

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipsecmod_clear(struct module_qstate* qstate, int id)



control of the c

Unchecked Array Index\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1856

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	468	468
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

....
468. s[IPOPT_OPTVAL] = IPOPT_NOP;

Unchecked Array Index\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1857

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	475	475
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

475. s[IPOPT_OPTVAL] = IPOPT_TS;

Unchecked Array Index\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1858

Status New

Source Destination

File freebsd-src-1/iptests.c freebsd-src-1/iptests.c

Line 476 476

Object IPOPT_OLEN IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

476. s[IPOPT_OLEN] = 4;

Unchecked Array Index\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1859

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	477	477
Object	IPOPT_OFFSET	IPOPT_OFFSET

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

s[IPOPT_OFFSET] = IPOPT_MINOFF;

Unchecked Array Index\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1860

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	492	492



Object IPOPT OPTVAL IPOPT OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

....
492. s[IPOPT_OPTVAL] = IPOPT_RR;

Unchecked Array Index\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1861

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	493	493
Object	IPOPT_OLEN	IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

....
493. s[IPOPT_OLEN] = 0;

Unchecked Array Index\Path 30:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1862

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	499	499
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)



s[IPOPT_OPTVAL] = IPOPT_TS;

Unchecked Array Index\Path 31:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1863

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	500	500
Object	IPOPT_OLEN	IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

 $s[IPOPT_OLEN] = 0;$

Unchecked Array Index\Path 32:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1864

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	506	506
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

506. s[IPOPT_OPTVAL] = IPOPT_SECURITY;

Unchecked Array Index\Path 33:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1865

Status New

Source Destination

File freebsd-src-1/iptests.c freebsd-src-1/iptests.c

Line 507 507

Object IPOPT_OLEN IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

....

507. s[IPOPT OLEN] = 0;

Unchecked Array Index\Path 34:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1866

Status New

Source Destination

File freebsd-src-1/iptests.c freebsd-src-1/iptests.c

Line 513 513

Object IPOPT_OPTVAL IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

513. $s[IPOPT_OPTVAL] = IPOPT_LSRR;$

Unchecked Array Index\Path 35:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1867

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	514	514



Object IPOPT OLEN IPOPT OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

 $s[IPOPT_OLEN] = 0;$

Unchecked Array Index\Path 36:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1868

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	520	520
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

520. s[IPOPT OPTVAL] = IPOPT SATID;

Unchecked Array Index\Path 37:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1869

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	521	521
Object	IPOPT_OLEN	IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)



s[IPOPT_OLEN] = 0;

Unchecked Array Index\Path 38:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1870

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	527	527
Object	IPOPT_OPTVAL	IPOPT_OPTVAL

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

.... s[IPOPT_OPTVAL] = IPOPT_SSRR;

Unchecked Array Index\Path 39:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1871

Status New

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	528	528
Object	IPOPT_OLEN	IPOPT_OLEN

Code Snippet

File Name freebsd-src-1/iptests.c

Method void ip_test2(dev, mtu, ip, gwip, ptest)

528. s[IPOPT OLEN] = 0;

Unchecked Array Index\Path 40:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1872

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1033	1033
Object	j	j

Code Snippet

File Name freebsd-src-1/lockstat.c

Method process_aggregate(const dtrace_aggdata_t *agg, void *arg)

1033. lsrec->ls_hist[j] = quantized[i];

Unchecked Array Index\Path 41:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1873

Status New

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	4737	4737
Object	ids	ids

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_get_ld_list(struct mrsas_softc *sc)

....
4737. sc->ld_ids[ids] = ld_list_mem>ldList[ld index].ref.ld context.targetId;

Unchecked Array Index\Path 42:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1874

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c



Line	252	252
Object	k	k

File Name freebsd-src-1/name.c

Method __hx509_Name_to_string(const Name *n, char **str)

252. ss[k] = '\0';

Unchecked Array Index\Path 43:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1875

Status New

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	277	277
Object	k	k

Code Snippet

File Name freebsd-src-1/name.c

Method __hx509_Name_to_string(const Name *n, char **str)

277. $ss[k] = ' \0';$

Unchecked Array Index\Path 44:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1876

Status New

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	644	644
Object	pstr_len	pstr_len

Code Snippet

File Name freebsd-src-1/name.c

Method hx509_parse_name(hx509_context context, const char *str, hx509_name

*name)



....
644. r[pstr_len] = '\0';

Unchecked Array Index\Path 45:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1877

Status New

	Source	Destination
File	freebsd-src-1/o_str.c	freebsd-src-1/o_str.c
Line	52	52
Object	maxlen	maxlen

Code Snippet

File Name freebsd-src-1/o_str.c

Method char *CRYPTO_strndup(const char *str, size_t s, const char* file, int line)

52. $ret[maxlen] = ' \0';$

Unchecked Array Index\Path 46:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1878

Status New

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	397	397
Object	level	level

Code Snippet

File Name freebsd-src-1/optimize.c

Method find_levels_r(opt_state_t *opt_state, struct icode *ic, struct block *b)

397. opt_state->levels[level] = b;

Unchecked Array Index\Path 47:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1879

Status New

Source Destination

File freebsd-src-1/optimize.c freebsd-src-1/optimize.c

Line 447 447

Object dom dom

Code Snippet

File Name freebsd-src-1/optimize.c

Method find_dom(opt_state_t *opt_state, struct block *root)

447. SET_INSERT(b->dom, b->id);

Unchecked Array Index\Path 48:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1880

Status New

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	459	459
Object	edom	edom

Code Snippet

File Name freebsd-src-1/optimize.c

Method propedom(opt_state_t *opt_state, struct edge *ep)

459. SET_INSERT(ep->edom, ep->id);

Unchecked Array Index\Path 49:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1881

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	520	520



Object closure closure

Code Snippet

File Name freebsd-src-1/optimize.c

Method find_closure(opt_state_t *opt_state, struct block *root)

520. SET_INSERT(b->closure, b->id);

Unchecked Array Index\Path 50:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1882

Status New

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	763	763
Object	hash	hash

Code Snippet

File Name freebsd-src-1/optimize.c

Method F(opt_state_t *opt_state, int code, bpf_u_int32 v0, bpf_u_int32 v1)

763. opt state->hashtbl[hash] = p;

Use of Sizeof On a Pointer Type

Query Path:

CPP\Cx\CPP Low Visibility\Use of Sizeof On a Pointer Type Version:1

<u>Description</u>

Use of Sizeof On a Pointer Type\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1598

Status New

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_lha.c	freebsd-src- 1/archive_read_support_format_lha.c
Line	482	504
Object	signature	sizeof

Code Snippet



File Name

freebsd-src-1/archive_read_support_format_lha.c

Method

archive_read_format_lha_read_header(struct archive_read *a,

```
....
482. const char *signature;
....
504. signature = __archive_read_ahead(a,
sizeof(signature[0]), NULL);
```

Use of Sizeof On a Pointer Type\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1599

Status New

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	72	73
Object	ipsecmod_env	sizeof

Code Snippet

File Name

freebsd-src-1/ipsecmod.c

Method ipsecmod_init(struct module_env* env, int id)

```
72. struct ipsecmod_env* ipsecmod_env = (struct ipsecmod_env*)calloc(1, 73. sizeof(struct ipsecmod_env));
```

Use of Sizeof On a Pointer Type\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1600

Status New

	Source	Destination
File	freebsd-src-1/name.c	freebsd-src-1/name.c
Line	337	369
Object	name	sizeof

Code Snippet

File Name freebsd-src-1/name.c

Method dsstringprep(const DirectoryString *ds, uint32_t **rname, size_t *rlen)



```
....
337. uint32_t *name;
....
369. name = malloc(len * sizeof(name[0]));
```

Use of Sizeof On a Pointer Type\Path 4:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1601

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	625
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

const struct lspping_tlv_header *lspping_tlv_header;

tptr+=sizeof(struct lspping_tlv_header);

Use of Sizeof On a Pointer Type\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1602

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	609
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

const struct lspping_tlv_header *lspping_tlv_header;
fightharpoonup if (tlen < sizeof(struct lspping_tlv_header))</pre>



Use of Sizeof On a Pointer Type\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1603

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	626
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method lspping_print(netdissect_options *ndo,

const struct lspping_tlv_header *lspping_tlv_header;
tlen-=sizeof(struct lspping_tlv_header);

Use of Sizeof On a Pointer Type\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1604

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	630
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping print(netdissect options *ndo,

const struct lspping_tlv_header *lspping_tlv_header;
tlv_tptr=tptr+sizeof(struct lspping_tlv_header);

Use of Sizeof On a Pointer Type\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=1605

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	634
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

```
494. const struct lspping_tlv_header *lspping_tlv_header;
....
634. if (tlen < lspping_tlv_len+sizeof(struct
lspping_tlv_header))</pre>
```

Use of Sizeof On a Pointer Type\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1606

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	644
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

```
const struct lspping_tlv_header *lspping_tlv_header;
if (tlv_tlen < sizeof(struct lspping_tlv_header))
{</pre>
```

Use of Sizeof On a Pointer Type\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1607



	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	654
Object	lspping_tlv_header	sizeof

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

```
494. const struct lspping_tlv_header *lspping_tlv_header;
....
654. subtlv_tptr=tlv_tptr+sizeof(struct
lspping_tlv_header);
```

Use of Sizeof On a Pointer Type\Path 11:

Severity Low

Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1608

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-Ispping.c
Line	494	657
Object	lspping_tlv_header	sizeof

Code Snippet

File Name

freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

```
494. const struct lspping_tlv_header *lspping_tlv_header;
....
657. if (tlv_tlen < lspping_subtlv_len+sizeof(struct lspping_tlv_header)) {</pre>
```

Use of Sizeof On a Pointer Type\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1609

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c



Line	494	863
Object	lspping_tlv_header	sizeof

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

494. const struct lspping_tlv_header *lspping_tlv_header;
....
863. print_unknown_data(ndo, tlv_tptr+sizeof(struct lspping_tlv_header),

Use of Sizeof On a Pointer Type\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1610

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-Ispping.c
Line	494	871
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

....
494. const struct lspping_tlv_header *lspping_tlv_header;
....
871. if (tlv_tlen <
lspping_subtlv_len+sizeof(struct lspping_tlv_header)) {</pre>

Use of Sizeof On a Pointer Type\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1611

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	877
Object	lspping_tlv_header	sizeof



File Name

freebsd-src-1/print-lspping.c

Method

lspping_print(netdissect_options *ndo,

494. const struct lspping_tlv_header *lspping_tlv_header; tlv tlen-=lspping subtlv len+sizeof(struct 877. lspping tlv header);

Use of Sizeof On a Pointer Type\Path 15:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1612

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	1059
Object	lspping_tlv_header	sizeof

Code Snippet

File Name

freebsd-src-1/print-lspping.c

Method

lspping_print(netdissect_options *ndo,

```
const struct lspping tlv header *lspping tlv header;
494.
1059.
                   print unknown data(ndo, tptr+sizeof(struct
lspping tlv header), "\nt
```

Use of Sizeof On a Pointer Type\Path 16:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1613

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	1067
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

lspping_print(netdissect_options *ndo, Method



```
....
494. const struct lspping_tlv_header *lspping_tlv_header;
....
1067. if (tlen < lspping_tlv_len+sizeof(struct lspping_tlv_header))</pre>
```

Use of Sizeof On a Pointer Type\Path 17:

Severity Low Result State To Verif

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1614

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	1071
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,

const struct lspping_tlv_header *lspping_tlv_header;

tptr+=lspping_tlv_len+sizeof(struct lspping_tlv_header);

Use of Sizeof On a Pointer Type\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1615

Status New

	Source	Destination
File	freebsd-src-1/print-lspping.c	freebsd-src-1/print-lspping.c
Line	494	1072
Object	lspping_tlv_header	sizeof

Code Snippet

File Name freebsd-src-1/print-lspping.c

Method | Ispping_print(netdissect_options *ndo,



```
const struct lspping_tlv_header *lspping_tlv_header;
tlen-=lspping_tlv_len+sizeof(struct lspping_tlv_header);
```

Use of Sizeof On a Pointer Type\Path 19:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1616

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	147	147
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method msg_grow_array(struct regional* region, struct dns_msg* msg)

....
147. sizeof(struct ub_packed_rrset_key*)*(msg->rep>rrset_count+1));

Use of Sizeof On a Pointer Type\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1617

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	153	153
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method msg_grow_array(struct regional* region, struct dns_msg* msg)

....
153. sizeof(struct ub_packed_rrset_key*)*(msg->rep>rrset count+1));



Use of Sizeof On a Pointer Type\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1618

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	157	157
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method msg_grow_array(struct regional* region, struct dns_msg* msg)

157. sizeof(struct ub_packed_rrset_key*)*msg->rep>rrset count);

Use of Sizeof On a Pointer Type\Path 22:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1619

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	740	740
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_remove_rr(struct auth_rrset* rrset, size_t index)

740. sizeof(size_t) + sizeof(uint8_t*) + sizeof(time_t) +

Use of Sizeof On a Pointer Type\Path 23:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1620



	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	802	802
Object	sizeof	sizeof

File Name freebsd-src-1/authzone.c

Method rrset_add_rr(struct auth_rrset* rrset, uint32_t rr_ttl, uint8_t* rdata,

802. + sizeof(size_t) + sizeof(uint8_t*) + sizeof(time_t)

Use of Sizeof On a Pointer Type\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1621

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	881	881
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_create(struct auth_data* node, uint16_t rr_type, uint32_t rr_ttl,

sizeof(uint8 t*) + sizeof(time t) + rdatalen);

Use of Sizeof On a Pointer Type\Path 25:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1622

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	955	955
Object	sizeof	sizeof

Code Snippet



File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

....
955. + sigs*(sizeof(size_t) + sizeof(uint8_t*) + sizeof(time t))

Use of Sizeof On a Pointer Type\Path 26:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1623

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1016	1016
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

1016. sizeof(uint8_t*) + sizeof(time_t)) + sigsz);

Use of Sizeof On a Pointer Type\Path 27:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1624

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1018	1018
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method rrset_moveover_rrsigs(struct auth_data* node, uint16_t rr_type,

....
1018. - sigs*(sizeof(size_t) + sizeof(uint8_t*) + sizeof(time_t))



Use of Sizeof On a Pointer Type\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1625

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	2697	2697
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/authzone.c

Method create_synth_cname(uint8_t* qname, size_t qname_len, struct regional* region,

.... 2697. sizeof(uint8_t*) + sizeof(time_t) + sizeof(uint16_t)

Use of Sizeof On a Pointer Type\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1626

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1609	1609
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/lockstat.c Method main(int argc, char **argv)

1609. sizeof (void *))) == NULL)

Use of Sizeof On a Pointer Type\Path 30:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1627



	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2846	2846
Object	sizeof	sizeof

File Name freebsd-src-1/mrsas.c

Method mrsas_alloc_mpt_cmds(struct mrsas_softc *sc)

2846. sc->mpt_cmd_list = malloc(sizeof(struct mrsas_mpt_cmd *) *
max fw cmds,

Use of Sizeof On a Pointer Type\Path 31:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1628

Status New

	Source	Destination
File	freebsd-src-1/mrsas.c	freebsd-src-1/mrsas.c
Line	2852	2852
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/mrsas.c

Method mrsas_alloc_mpt_cmds(struct mrsas_softc *sc)

2852. memset(sc->mpt_cmd_list, 0, sizeof(struct mrsas_mpt_cmd *) *
max_fw_cmds);

Use of Sizeof On a Pointer Type\Path 32:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1629

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	2714	2714
Object	sizeof	sizeof



File Name freebsd-src-1/optimize.c

Method convert_code_r(conv_state_t *conv_state, struct icode *ic, struct block *p)

2714. offset = (struct slist **)calloc(slen, sizeof(struct
slist *));

Use of Sizeof On a Pointer Type\Path 33:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1630

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2501	2501
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method get_cpuid_set(void)

sz = sizeof(char *) * pmc_allocated_cnt;

Use of Sizeof On a Pointer Type\Path 34:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1631

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2534	2534
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method get_cpuid_set(void)

sz = sizeof(char *) * (pmc_allocated_cnt * 2);



Use of Sizeof On a Pointer Type\Path 35:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1632

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2697	2697
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

2697. mal = cnt_pmc * sizeof(char *);

Use of Sizeof On a Pointer Type\Path 36:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1633

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	214	214
Object	sizeof	sizeof

Code Snippet

File Name freebsd-src-1/test_x509.c

Method HT_new(void)

ht->buckets = xmalloc(ht->num_buckets * sizeof(ht_elt *));

Sizeof Pointer Argument

Query Path:

CPP\Cx\CPP Low Visibility\Sizeof Pointer Argument Version:0

Description

Sizeof Pointer Argument\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=1131

Status New

Source Destination

File freebsd-src1/archive_read_support_format_mtree.c 1/archive_read_support_format_mtree.c

Line 1563 1563

Object digest_buf sizeof

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_digest(struct archive_read *a, struct archive_entry *entry,

1563. if (len > sizeof(digest_buf)) {

Sizeof Pointer Argument\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1132

Status New

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	177	177
Object	dtable	sizeof

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method main(int argc, char *argv[])

Sizeof Pointer Argument\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1133

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c



Line 177 177
Object dtable sizeof

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method main(int argc, char *argv[])

Sizeof Pointer Argument\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1134

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2651	2651
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

2651. bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1135

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2660	2660
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])



.... 2660. bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1136

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2651	2660
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));
bzero(&string, sizeof(string));
bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1137

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2669	2669
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

....
2669. bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 8:

Severity Low



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1138

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2660	2669
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1139

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2651	2669
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1140

Status New



	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2678	2678
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

2678. bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 11:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1141

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2669	2678
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1142

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2660	2678
Object	string	sizeof



Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 13:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1143

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2651	2678
Object	string	sizeof

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method modinfo(int argc, const char *argv[])

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

bzero(&string, sizeof(string));

Sizeof Pointer Argument\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1144

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	854	854
Object	config	sizeof

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_list(int argc, char * const *argv)



.... 854. gctl_add_param(req, "config", sizeof(config), config,

Sizeof Pointer Argument\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1145

Status New

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	191	191
Object	seed	sizeof

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method generate_tmp_ifid(u_int8_t *seed0, const u_int8_t *seed1, u_int8_t *ret)

191. MD5Update(&ctxt, seed, sizeof(seed));

Sizeof Pointer Argument\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1146

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2813	2813
Object	glob_cpu	sizeof

Code Snippet

File Name freebsd-src-1/pmcstudy.c
Method main(int argc, char **argv)

2813. memset(glob_cpu, 0, sizeof(glob_cpu));

Sizeof Pointer Argument\Path 17:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1147

Status New

Source Destination

File freebsd-src-1/rec_layer_s3.c freebsd-src-1/rec_layer_s3.c

Line 858 858

Object wr sizeof

Code Snippet

File Name freebsd-src-1/rec_layer_s3.c

Method int do_ssl3_write(SSL *s, int type, const unsigned char *buf,

858. memset(wr, 0, sizeof(wr));

Sizeof Pointer Argument\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1148

Status New

	Source	Destination
File	freebsd-src-1/snprintf.c	freebsd-src-1/snprintf.c
Line	1016	1016
Object	iconvert	sizeof

Code Snippet

File Name freebsd-src-1/snprintf.c

Method fmtint(char *str, size_t *len, size_t size, INTMAX_T value, int base, int width,

1016. pos = convert(uvalue, iconvert, sizeof(iconvert), base,

Sizeof Pointer Argument\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1149

Status New

	Source	Destination
File	freebsd-src-1/snprintf.c	freebsd-src-1/snprintf.c
Line	1289	1289



Object iconvert sizeof

Code Snippet

File Name freebsd-src-1/snprintf.c

Method fmtflt(char *str, size_t *len, size_t size, LDOUBLE fvalue, int width,

ipos = convert(intpart, iconvert, sizeof(iconvert), 10, 0);

Sizeof Pointer Argument\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1150

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1725	1725
Object	args	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

1725. for (i = 2; i < sizeof(args)/sizeof(args[0]) - 1; i++)

Sizeof Pointer Argument\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1151

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1725	1725
Object	args	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)



```
for (i = 2; i < sizeof(args)/sizeof(args[0]) - 1; i++)
{
```

Sizeof Pointer Argument\Path 22:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1152

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2946	2946
Object	glob_cpu	sizeof

Code Snippet

File Name freebsd-src-1/pmcstudy.c
Method main(int argc, char **argv)

2946. memset(glob_cpu, 0, sizeof(glob_cpu));

Sizeof Pointer Argument\Path 23:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1153

Status New

	Source	Destination
File	freebsd-src-1/snprintf.c	freebsd-src-1/snprintf.c
Line	1291	1291
Object	fconvert	sizeof

Code Snippet

File Name freebsd-src-1/snprintf.c

Method fmtflt(char *str, size_t *len, size_t size, LDOUBLE fvalue, int width,

1291. fpos = convert(fracpart, fconvert, sizeof(fconvert),
10, 0);

Sizeof Pointer Argument\Path 24:

Severity Low



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1154

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1090	1090
Object	tmp	sizeof

Code Snippet

File Name freebsd-src-1/test_x509.c

Method string_to_hash(const char *name)

1090. if (v == sizeof tmp) {

Sizeof Pointer Argument\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1155

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	1128	1128
Object	tmp	sizeof

Code Snippet

File Name freebsd-src-1/test_x509.c

Method string_to_curve(const char *name)

if (v == sizeof tmp) {

Sizeof Pointer Argument\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1156

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c



Line	1731	1731
Object	args	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

1731. args[sizeof(args)/sizeof(args[0]) - 1] = 0;

Sizeof Pointer Argument\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1157

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1725	1731
Object	args	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

Sizeof Pointer Argument\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1158

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1725	1731
Object	args	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c



Sizeof Pointer Argument\Path 29:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1159

Status New

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1715	1715
Object	buf	sizeof

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method run_cmd_loop(int argc, char *argv[], const char *iff_name)

1715. n = read(STDIN_FILENO, buf, sizeof(buf) - 1);

Sizeof Pointer Argument\Path 30:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1160

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	327	327
Object	plex	sizeof

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

strlcpy(plex, p->name, sizeof(plex));



Potential Precision Problem

Ouerv Path:

CPP\Cx\CPP Buffer Overflow\Potential Precision Problem Version:0

Categories

NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Potential Precision Problem\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1086

Status New

The size of the buffer used by ipseckey_has_safe_characters in "%d %d %d %s ", at line 215 of freebsd-src-1/ipsecmod.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ipseckey_has_safe_characters passes to "%d %d %d %s ", at line 215 of freebsd-src-1/ipsecmod.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/ipsecmod.c	freebsd-src-1/ipsecmod.c
Line	223	223
Object	"%d %d %d %s "	"%d %d %d %s "

Code Snippet

File Name freebsd-src-1/ipsecmod.c

Method ipseckey_has_safe_characters(char* s, size_t slen) {

223. if(sscanf(s, "%d %d %d %s ",

Potential Precision Problem\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1087

Status New

The size of the buffer used by predicate_add in "(%s) && (%s %s %p)", at line 590 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that predicate_add passes to "(%s) && (%s %s %p)", at line 590 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	609	609
Object	"(%s) && (%s %s %p)"	"(%s) && (%s %s %p)"



Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)

609. (void) sprintf(new, "(%s) && (%s %s %p)",

Potential Precision Problem\Path 3:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1088

Status New

The size of the buffer used by predicate_add in "(%s) && (%s)", at line 590 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that predicate_add passes to "(%s) && (%s)", at line 590 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	612	612
Object	"(%s) && (%s)"	"(%s) && (%s)"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)

....
612. (void) sprintf(new, "(%s) && (%s)", *pred, what);

Potential Precision Problem\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1089

Status New

The size of the buffer used by predicate_add in "%s %s %p", at line 590 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that predicate_add passes to "%s %s %p", at line 590 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	616	616
Object	"%s %s %p"	"%s %s %p"



Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate add(char **pred, char *what, char *cmp, uintptr t value)

616. (void) sprintf(new, "%s %s %p",

Potential Precision Problem\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1090

Status New

The size of the buffer used by predicate_add in "%s", at line 590 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that predicate add passes to "%s", at line 590 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	619	619
Object	"%s"	"%s"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method predicate_add(char **pred, char *what, char *cmp, uintptr_t value)

continuous (void) sprintf(new, "%s", what);

Potential Precision Problem\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1091

Status New

The size of the buffer used by filter_add in "%s(%s >= 0x%p && %s < 0x%p)", at line 635 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that filter_add passes to "%s(%s >= 0x%p && %s < 0x%p)", at line 635 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	646	646
Object	"%s(%s >= 0x%p && %s < 0x%p)"	"%s(%s >= 0x%p && %s < 0x%p)"

Code Snippet

File Name freebsd-src-1/lockstat.c



```
filter_add(char **filt, char *what, uintptr_t base, size_t size)
....
646.
'\0' ?

(void) sprintf(c, "%s(%s >= 0x%p && %s < 0x%p)", *filt[0] !=
'\0' ?</pre>
```

Potential Precision Problem\Path 7:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1092

Status New

The size of the buffer used by format_symbol in "%s[%ld]", at line 1726 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that format_symbol passes to "%s[%ld]", at line 1726 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1735	1735
Object	"%s[%ld]"	"%s[%ld]"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method format_symbol(char *buf, uintptr_t addr, int show_size)

1735. (void) sprintf(buf, "%s[%ld]", symname,
(long)symsize);

Potential Precision Problem\Path 8:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1093

Status New

The size of the buffer used by format_symbol in "%s", at line 1726 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that format_symbol passes to "%s", at line 1726 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1737	1737
Object	"%s"	"%s"

Code Snippet

File Name freebsd-src-1/lockstat.c



Method format_symbol(char *buf, uintptr_t addr, int show_size)
....
1737. (void) sprintf(buf, "%s", symname);

Potential Precision Problem\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1094

Status New

The size of the buffer used by format_symbol in "%s+%ld", at line 1726 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that format_symbol passes to "%s+%ld", at line 1726 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1740	1740
Object	"%s+%ld"	"%s+%ld"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method format_symbol(char *buf, uintptr_t addr, int show_size)

1740. (void) sprintf(buf, "%s+%ld", symname, (long)symoff);

Potential Precision Problem\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1095

Status New

The size of the buffer used by format_symbol in "%s+0x%llx", at line 1726 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that format_symbol passes to "%s+0x%llx", at line 1726 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1745	1745
Object	"%s+0x%llx"	"%s+0x%llx"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method format_symbol(char *buf, uintptr_t addr, int show_size)



....
1745. (void) sprintf(buf, "%s+0x%llx", symname,

Potential Precision Problem\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1096

Status New

The size of the buffer used by report_stats in "%s%s", at line 1753 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that report stats passes to "%s%s", at line 1753 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1777	1777
Object	"%s%s"	"%s%s"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, lsrec_t **sort_buf, size_t nrecs, uint64_t total_count,

1777. (void) sprintf(lhdr, "%s%s",

Potential Precision Problem\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1097

Status New

The size of the buffer used by report_stats in "%s%s", at line 1753 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that report stats passes to "%s%s", at line 1753 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1779	1779
Object	"%s%s"	"%s%s"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, lsrec_t **sort_buf, size_t nrecs, uint64_t total_count,



```
....
1779. (void) sprintf(chdr, "%s%s",
```

Potential Precision Problem\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1098

Status New

The size of the buffer used by report_stats in "%s", at line 1753 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that report stats passes to "%s", at line 1753 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1790	1790
Object	"%s"	"%s"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, Isrec_t **sort_buf, size_t nrecs, uint64_t total_count,

1790. (void) sprintf(buf, "%s",
g_event_info[event].ev_units);

Potential Precision Problem\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1099

Status New

The size of the buffer used by report_stats in "%s", at line 1753 of freebsd-src-1/lockstat.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that report_stats passes to "%s", at line 1753 of freebsd-src-1/lockstat.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1843	1843
Object	"%s"	"%s"

Code Snippet

File Name freebsd-src-1/lockstat.c

Method report_stats(FILE *out, lsrec_t **sort_buf, size_t nrecs, uint64_t total_count,



```
....
1843. (void) sprintf(buf, "%s",
```

Potential Precision Problem\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1100

Status New

The size of the buffer used by test_for_a_pmc in "/usr/sbin/pmcstat -w .25 -c 0 -s %s", at line 2568 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that test_for_a_pmc passes to "/usr/sbin/pmcstat -w .25 -c 0 -s %s", at line 2568 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2583	2583
Object	"/usr/sbin/pmcstat -w .25 -c 0 -s %s"	"/usr/sbin/pmcstat -w .25 -c 0 -s %s"

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)

....
2583. sprintf(my_command, "/usr/sbin/pmcstat -w .25 -c 0 -s %s",
pmc);

Potential Precision Problem\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1101

Status New

The size of the buffer used by test_for_a_pmc in "%s", at line 2568 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that test_for_a_pmc passes to "%s", at line 2568 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2590	2590
Object	"%s"	"%s"

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method test_for_a_pmc(const char *pmc, int out_so_far)



```
....
2590. len = sprintf(resp, "%s", pmc);
```

Potential Precision Problem\Path 17:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1102

Status New

The size of the buffer used by build_command_for_exp in " -s %s", at line 2669 of freebsd-src-1/pmcstudy.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that build_command_for_exp passes to " -s %s", at line 2669 of freebsd-src-1/pmcstudy.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2727	2727
Object	" -s %s"	" -s %s"

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_command_for_exp(struct expression *exp)

2727. sprintf(forming, " -s %s", vars[i]);

Potential Precision Problem\Path 18:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1103

Status New

The size of the buffer used by action_disable in "%s:disable=", at line 308 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_disable passes to "%s:disable=", at line 308 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	320	320
Object	"%s:disable="	"%s:disable="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action disable(int argc, char **argv)



```
....
320. sprintf(argv_disable, "%s:disable=", argv[i]);
```

Potential Precision Problem\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1104

Status New

The size of the buffer used by action_enable in "%s:enable=", at line 329 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_enable passes to "%s:enable=", at line 329 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	341	341
Object	"%s:enable="	"%s:enable="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_enable(int argc, char **argv)

sprintf(argv_enable, "%s:enable=", argv[i]);

Potential Precision Problem\Path 20:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1105

Status New

The size of the buffer used by action_reload in "%s:reload=", at line 350 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_reload passes to "%s:reload=", at line 350 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	364	364
Object	"%s:reload="	"%s:reload="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action reload(int argc, char **argv)



364. sprintf(argv reload, "%s:reload=", argv[i]);

Potential Precision Problem\Path 21:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1106

Status New

The size of the buffer used by action show in "invalid interface %s", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action show passes to "invalid interface %s", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	460	460
Object	"invalid interface %s"	"invalid interface %s"

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)

sprintf(errmsgbuf, "invalid interface %s", 460.

Potential Precision Problem\Path 22:

Severity Low Result State To Verify Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1107

Status New

The size of the buffer used by action show in "%s:ifi=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action show passes to "%s:ifi=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	483	483
Object	"%s:ifi="	"%s:ifi="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)



....
483. sprintf(argv_ifi, "%s:ifi=", ifi->ifi_ifname);

Potential Precision Problem\Path 23:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1108

Status New

The size of the buffer used by action_show in "%s:rai=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_show passes to "%s:rai=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	550	550
Object	"%s:rai="	"%s:rai="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)

550. sprintf(argv_rai, "%s:rai=", ifi->ifi_ifname);

Potential Precision Problem\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1109

Status New

The size of the buffer used by action_show in "%s:ifi_ra_timer=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_show passes to "%s:ifi_ra_timer=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	601	601
Object	"%s:ifi_ra_timer="	"%s:ifi_ra_timer="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)



sprintf(argv_ifi_ra_timer, "%s:ifi_ra_timer=",

Potential Precision Problem\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1110

Status New

The size of the buffer used by action_show in "%s:rti=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action show passes to "%s:rti=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	633	633
Object	"%s:rti="	"%s:rti="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)

633. sprintf(argv_rti, "%s:rti=", ifi->ifi_ifname);

Potential Precision Problem\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1111

Status New

The size of the buffer used by action_show in "%s:pfx=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action show passes to "%s:pfx=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	649	649
Object	"%s:pfx="	"%s:pfx="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)



....
649. sprintf(argv_pfx, "%s:pfx=", ifi->ifi_ifname);

Potential Precision Problem\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1112

Status New

The size of the buffer used by action_show in "%s:rdnss=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_show passes to "%s:rdnss=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	667	667
Object	"%s:rdnss="	"%s:rdnss="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action_show(int argc, char **argv)

sprintf(argv_rdnss, "%s:rdnss=", ifi->ifi_ifname);

Potential Precision Problem\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1113

Status New

The size of the buffer used by action_show in "%s:dnssl=", at line 408 of freebsd-src-1/rtadvctl.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that action_show passes to "%s:dnssl=", at line 408 of freebsd-src-1/rtadvctl.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c
Line	682	682
Object	"%s:dnssl="	"%s:dnssl="

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method action show(int argc, char **argv)



....
682. sprintf(argv_dnssl, "%s:dnssl=", ifi->ifi_ifname);

Potential Precision Problem\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1114

Status New

The size of the buffer used by read_file in "%s/%s", at line 438 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that read file passes to "%s/%s", at line 438 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	447	447
Object	"%s/%s"	"%s/%s"

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_file(const char *name, size_t *len)

447. sprintf(dname, "%s/%s", DIRNAME, name);

Use of Obsolete Functions

Query Path:

CPP\Cx\CPP Low Visibility\Use of Obsolete Functions Version:0

Categories

OWASP Top 10 2013: A9-Using Components with Known Vulnerabilities OWASP Top 10 2017: A9-Using Components with Known Vulnerabilities

Description

Use of Obsolete Functions\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1804

Status New

Method freebsd4_sendsig in freebsd-src-1/exec_machdep.c, at line 261, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	288	288



Object bcopy bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method freebsd4_sendsig(sig_t catcher, ksiginfo_t *ksi, sigset_t *mask)

....
288. bcopy(regs, &sf.sf_uc.uc_mcontext.mc_fs, sizeof(*regs));

Use of Obsolete Functions\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1805

Status New

Method sendsig in freebsd-src-1/exec_machdep.c, at line 380, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	431	431
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method sendsig(sig_t catcher, ksiginfo_t *ksi, sigset_t *mask)

431. bcopy(regs, &sf.sf_uc.uc_mcontext.mc_fs, sizeof(*regs));

Use of Obsolete Functions\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1806

Status New

Method freebsd4_sigreturn in freebsd-src-1/exec_machdep.c, at line 659, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	703	703
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c



Method freebsd4_sigreturn(struct thread *td, struct freebsd4_sigreturn_args *uap)

....
703. bcopy(&ucp->uc_mcontext.mc_fs, tf, sizeof(struct
trapframe));

Use of Obsolete Functions\Path 4:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1807

Status New

Method freebsd4_sigreturn in freebsd-src-1/exec_machdep.c, at line 659, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	741	741
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method freebsd4_sigreturn(struct thread *td, struct freebsd4_sigreturn_args *uap)

....
741. bcopy(&ucp->uc_mcontext.mc_fs, regs, sizeof(*regs));

Use of Obsolete Functions\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1808

Status New

Method sys_sigreturn in freebsd-src-1/exec_machdep.c, at line 757, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	812	812
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method sys_sigreturn(struct thread *td, struct sigreturn_args *uap)



bcopy(&ucp->uc_mcontext.mc_fs, tf, sizeof(struct trapframe));

Use of Obsolete Functions\Path 6:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1809

Status New

Method sys_sigreturn in freebsd-src-1/exec_machdep.c, at line 757, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	876	876
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method sys_sigreturn(struct thread *td, struct sigreturn_args *uap)

bcopy(&ucp->uc_mcontext.mc_fs, regs, sizeof(*regs));

Use of Obsolete Functions\Path 7:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1810

Status New

Method fill_fpregs in freebsd-src-1/exec_machdep.c, at line 1076, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	1087	1087
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method fill_fpregs(struct thread *td, struct fpreg *fpregs)

bcopy(&get_pcb_user_save_td(td)->sv_87, fpregs,



Use of Obsolete Functions\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1811

Status New

Method set_fpregs in freebsd-src-1/exec_machdep.c, at line 1093, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	1101	1101
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method set_fpregs(struct thread *td, struct fpreg *fpregs)

1101. bcopy(fpregs, &get_pcb_user_save_td(td)->sv_87,

Use of Obsolete Functions\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1812

Status New

Method get_fpcontext in freebsd-src-1/exec_machdep.c, at line 1210, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	1216	1216
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method get_fpcontext(struct thread *td, mcontext_t *mcp, char *xfpusave,

bcopy(get_pcb_user_save_td(td), &mcp->mc_fpstate[0],

Use of Obsolete Functions\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1813

Status New

Method get_fpcontext in freebsd-src-1/exec_machdep.c, at line 1210, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/exec_machdep.c	freebsd-src-1/exec_machdep.c
Line	1229	1229
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/exec_machdep.c

Method get_fpcontext(struct thread *td, mcontext_t *mcp, char *xfpusave,

bcopy(get_pcb_user_save_td(td) + 1, xfpusave, len);

Use of Obsolete Functions\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1814

Status New

Method bge_rxeof in freebsd-src-1/if_bge.c, at line 4302, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

1 /		
	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	4387	4387
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/if_bge.c

Method bge_rxeof(struct bge_softc *sc, uint16_t rx_prod, int holdlck)

....
4387. bcopy(m->m_data, m->m_data + ETHER_ALIGN,

Use of Obsolete Functions\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1815

Status New



Method get_rand_ifid in freebsd-src-1/in6_ifattach.c, at line 118, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	144	144
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method get_rand_ifid(struct ifnet *ifp, struct in6_addr *in6)

bcopy(digest, &in6->s6_addr[8], 8);

Use of Obsolete Functions\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1816

Status New

Method generate_tmp_ifid in freebsd-src-1/in6_ifattach.c, at line 157, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

-	<u> </u>	
	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	170	170
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6 ifattach.c

Method generate tmp ifid(u int8 t *seed0, const u int8 t *seed1, u int8 t *ret)

bcopy(&val32, seed + sizeof(val32) * i,
sizeof(val32));

Use of Obsolete Functions\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1817

Status New

Method generate_tmp_ifid in freebsd-src-1/in6_ifattach.c, at line 157, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.



File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	173	173
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method generate_tmp_ifid(u_int8_t *seed0, const u_int8_t *seed1, u_int8_t *ret)

bcopy(seed0, seed, 8);

Use of Obsolete Functions\Path 15:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1818

Status New

Method generate_tmp_ifid in freebsd-src-1/in6_ifattach.c, at line 157, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	177	177
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method generate_tmp_ifid(u_int8_t *seed0, const u_int8_t *seed1, u_int8_t *ret)

177. bcopy(seed1, &seed[8], 8);

Use of Obsolete Functions\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1819

Status New

Method generate_tmp_ifid in freebsd-src-1/in6_ifattach.c, at line 157, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	199	199
Object	bcopy	bcopy



Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method generate_tmp_ifid(u_int8_t *seed0, const u_int8_t *seed1, u_int8_t *ret)

....
199. bcopy(digest, ret, 8);

Use of Obsolete Functions\Path 17:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1820

Status New

Method generate_tmp_ifid in freebsd-src-1/in6_ifattach.c, at line 157, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	221	221
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method generate_tmp_ifid(u_int8_t *seed0, const u_int8_t *seed1, u_int8_t *ret)

221. bcopy(&digest[8], seed0, 8);

Use of Obsolete Functions\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1821

Status New

Method in6_get_hw_ifid in freebsd-src-1/in6_ifattach.c, at line 242, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	300	300
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method in6_get_hw_ifid(struct ifnet *ifp, struct in6_addr *in6)



....
300. bcopy(addr, &in6->s6_addr[8], 8);

Use of Obsolete Functions\Path 19:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1822

Status New

Method in6_get_hw_ifid in freebsd-src-1/in6_ifattach.c, at line 242, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	326	326
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6 ifattach.c

Method in6_get_hw_ifid(struct ifnet *ifp, struct in6_addr *in6)

326. bcopy(addr + 12, &in6->s6_addr[8], 8);

Use of Obsolete Functions\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1823

Status New

Method in6_nigroup0 in freebsd-src-1/in6_ifattach.c, at line 582, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	641	641
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method in6_nigroup0(struct ifnet *ifp, const char *name, int namelen,

641. bcopy(digest, &in6->s6_addr8[13], 3);



Use of Obsolete Functions\Path 21:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1824

Status New

Method in6_get_tmpifid in freebsd-src-1/in6_ifattach.c, at line 804, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	817	817
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method in6_get_tmpifid(struct ifnet *ifp, u_int8_t *retbuf,

817. bcopy(baseid, ndi->randomseed1, sizeof(ndi>randomseed1));

Use of Obsolete Functions\Path 22:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1825

Status New

Method in6_get_tmpifid in freebsd-src-1/in6_ifattach.c, at line 804, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/in6_ifattach.c	freebsd-src-1/in6_ifattach.c
Line	823	823
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/in6_ifattach.c

Method in6_get_tmpifid(struct ifnet *ifp, u_int8_t *retbuf,

823. bcopy(ndi->randomid, retbuf, 8);

Use of Obsolete Functions\Path 23:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1826

Status New

Method ip_test7 in freebsd-src-1/iptests.c, at line 1322, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1347	1347
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test7(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

....
1347. bcopy((char *)&ip->ip_dst, (char *)&pip->ip_dst,

Use of Obsolete Functions\Path 24:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1827

Status New

Method ip_test7 in freebsd-src-1/iptests.c, at line 1322, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1363	1363
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test7(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

....
1363. bcopy((char *)&ip->ip_dst, (char *)&pip->ip_dst,

Use of Obsolete Functions\Path 25:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1828

Status New



Method ip_test5 in freebsd-src-1/iptests.c, at line 900, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1082	1082
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test5(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

1082. bcopy((char *)ip, (char *)&ti, sizeof(*ip));

Use of Obsolete Functions\Path 26:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1829

Status New

Method filter_add in freebsd-src-1/lockstat.c, at line 635, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	655	655
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/lockstat.c

Method filter add(char **filt, char *what, uintptr t base, size t size)

655. bcopy(*filt, new, len);

Use of Obsolete Functions\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1830

Status New

Method main in freebsd-src-1/lockstat.c, at line 1114, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

Source	Destination
--------	-------------



File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1583	1583
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

1583. bcopy(oldlsp, lsp, LS_TIME);

Use of Obsolete Functions\Path 28:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1831

Status New

Method main in freebsd-src-1/lockstat.c, at line 1114, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1592	1592
Object	bcopy	bcopy

Code Snippet

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

1592. bcopy(oldlsp, lsp, LS TIME);

Use of Obsolete Functions\Path 29:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1832

Status New

Method copy_element_status in freebsd-src-1/scsi_ch.c, at line 1049, calls an obsolete API, bcopy. This has been deprecated, and should not be used in a modern codebase.

	Source	Destination
File	freebsd-src-1/scsi_ch.c	freebsd-src-1/scsi_ch.c
Line	1131	1131
Object	bcopy	bcopy



Code Snippet

File Name freebsd-src-1/scsi_ch.c

Method copy_element_status(struct ch_softc *softc,

....
1131. bcopy((void *)devid->designator,

TOCTOU

Query Path:

CPP\Cx\CPP Low Visibility\TOCTOU Version:1

Description

TOCTOU\Path 1:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1446

Status New

The az_parse_file method in freebsd-src-1/authzone.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1516	1516
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/authzone.c

Method az_parse_file(struct auth_zone* z, FILE* in, uint8_t* rr, size_t rrbuflen,

inc = fopen(incfile, "r");

TOCTOU\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1447

Status New

The auth_zone_read_zonefile method in freebsd-src-1/authzone.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1585	1585



Object fopen fopen

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)

1585. in = fopen(zfilename, "r");

TOCTOU\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1448

Status New

The auth_zone_write_file method in freebsd-src-1/authzone.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1733	1733
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/authzone.c

Method int auth_zone_write_file(struct auth_zone* z, const char* fname)

1733. out = fopen(fname, "w");

TOCTOU\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1449

Status New

The auth_zone_write_chunks method in freebsd-src-1/authzone.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5147	5147



Object fopen fopen

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_write_chunks(struct auth_xfer* xfr, const char* fname)

5147. out = fopen(fname, "w");

TOCTOU\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1450

Status New

The parse_offload_policy method in freebsd-src-1/cxgbetool.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3386	3386
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method parse offload policy(const char *fname, struct t4 offload policy *op)

3386. fp = fopen(fname, "r");

TOCTOU\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1451

Status New

The gvinum_create method in freebsd-src-1/gvinum.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	199	199
Object	fopen	fopen



Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

if ((tmp = fopen(argv[i], "r")) == NULL) {

TOCTOU\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1452

Status New

The gvinum_create method in freebsd-src-1/gvinum.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	233	233
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

.... 233. if ((tmp = fopen(tmpfile, "r")) == NULL) {

TOCTOU\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1453

Status New

The main method in freebsd-src-1/lockstat.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1330	1330
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/lockstat.c



Method main(int argc, char **argv)
....
1330. if ((out = fopen(optarg, "w")) == NULL)

TOCTOU\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1454

Status New

The process_file method in freebsd-src-1/pmcstudy.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2257	2257
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/pmcstudy.c Method process_file(char *filename)

2257. io = fopen(filename, "r");

TOCTOU\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1455

Status New

The load_server_config method in freebsd-src-1/servconf.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2628	2628
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/servconf.c

Method load_server_config(const char *filename, struct sshbuf *conf)



```
....
2628. if ((f = fopen(filename, "r")) == NULL) {
```

TOCTOU\Path 11:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1456

Status New

The read_file method in freebsd-src-1/test_x509.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	450	450
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_file(const char *name, size_t *len)

450. f = fopen(name, "rb");

TOCTOU\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1457

Status New

The conf_init method in freebsd-src-1/test_x509.c file utilizes fopen that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	612	612
Object	fopen	fopen

Code Snippet

File Name freebsd-src-1/test_x509.c

Method conf_init(const char *fname)



```
....
612. conf = fopen(fname, "r");
```

TOCTOU\Path 13:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1458

Status New

The parse_file method in freebsd-src-1/archive_read_support_format_mtree.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_mtree.c	freebsd-src- 1/archive_read_support_format_mtree.c
Line	1253	1253
Object	open	open

Code Snippet

File Name freebsd-src-1/archive_read_support_format_mtree.c

Method parse_file(struct archive_read *a, struct archive_entry,

....
1253. mtree->fd = open(path, O_RDONLY | O_BINARY |
O CLOEXEC);

TOCTOU\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1459

Status New

The real_doit method in freebsd-src-1/cxgbetool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	149	149
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method real_doit(unsigned long cmd, void *data, const char *cmdstr)



```
if ((fd = open(buf, O_RDWR)) < 0) {
```

TOCTOU\Path 15:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1460

Status New

The loadfw method in freebsd-src-1/cxgbetool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1951	1951
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method loadfw(int argc, const char *argv[])

1951. fd = open(fname, O_RDONLY);

TOCTOU\Path 16:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1461

Status New

The loadefg method in freebsd-src-1/cxgbetool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1993	1993
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method loadcfg(int argc, const char *argv[])



....
1993. fd = open(fname, O_RDONLY);

TOCTOU\Path 17:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1462

Status New

The loadboot method in freebsd-src-1/cxgbetool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2117	2117
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method loadboot(int argc, const char *argv[])

fd = open(fname, O_RDONLY);

TOCTOU\Path 18:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1463

Status New

The loadbootcfg method in freebsd-src-1/cxgbetool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	2159	2159
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method loadbootcfg(int argc, const char *argv[])



```
fd = open(fname, O_RDONLY);
```

TOCTOU\Path 19:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1464

Status New

The doit method in freebsd-src-1/cxgbtool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	136	136
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method doit(const char *iff_name, unsigned long cmd, void *data)

if ((fd = open(buf, O_RDWR)) < 0)

TOCTOU\Path 20:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1465

Status New

The load_fw method in freebsd-src-1/cxgbtool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	999	999
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_fw(int argc, char *argv[], int start_arg, const char *iff_name)



fd = open(fname, O_RDONLY);

TOCTOU\Path 21:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1466

Status New

The load_boot method in freebsd-src-1/cxgbtool.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1034	1034
Object	open	open

Code Snippet

File Name freebsd-src-1/cxgbtool.c

Method load_boot(int argc, char *argv[], int start_arg, const char *iff_name)

....
1034. fd = open(fname, O_RDONLY);

TOCTOU\Path 22:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1467

Status New

The main method in freebsd-src-1/phttpget.c file utilizes open that is accessed by other concurrent functionality in a way that is not thread-safe, which may result in a Race Condition over this resource.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	600	600
Object	open	open

Code Snippet

File Name freebsd-src-1/phttpget.c

Method main(int argc, char *argv[])



```
fd = open(fname, O_CREAT | O_TRUNC | O_WRONLY, 0644);
```

Reliance on DNS Lookups in a Decision

Query Path:

CPP\Cx\CPP Low Visibility\Reliance on DNS Lookups in a Decision Version:0

Categories

FISMA 2014: Identification And Authentication NIST SP 800-53: SC-23 Session Authenticity (P1)

Description

Reliance on DNS Lookups in a Decision\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1068

Status New

The channel_setup_fwd_listener_tcpip method performs a reverse DNS lookup with getnameinfo, at line 3721 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 3721, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3799	3801
Object	getnameinfo	!=

Code Snippet

File Name

freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

```
if (getnameinfo(ai->ai_addr, ai->ai_addrlen, ntop,
sizeof(ntop),
included inclu
```

Reliance on DNS Lookups in a Decision\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1069

Status New

The connect_next method performs a reverse DNS lookup with getnameinfo, at line 4522 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 4522, even though this hostname is not reliable and can be easily spoofed.



	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4539	4541
Object	getnameinfo	!=

Code Snippet

File Name freebsd-src-1/channels.c

Method connect_next(struct channel_connect *cctx)

```
if (getnameinfo(cctx->ai->ai_addr, cctx->ai-
>ai_addrlen,
....
4541. NI_NUMERICHOST|NI_NUMERICSERV) != 0) {
```

Reliance on DNS Lookups in a Decision\Path 3:

Severity Low Result State To Verify

Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1070

Status New

The format_listen_addrs method performs a reverse DNS lookup with getnameinfo, at line 2961 of freebsd-src-1/servconf.c. The application then makes a security decision, !=, in freebsd-src-1/servconf.c line 2961, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2974	2976
Object	getnameinfo	!=

Code Snippet

File Name freebsd-src-1/servconf.c

Method format listen addrs(struct listenaddr *la)

```
if ((r = getnameinfo(ai->ai_addr, ai->ai_addrlen,
addr,
...
NI_NUMERICHOST|NI_NUMERICSERV)) != 0) {
```

Reliance on DNS Lookups in a Decision\Path 4:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1071

Status New



The format_listen_addrs method performs a reverse DNS lookup with getnameinfo, at line 2961 of freebsd-src-1/servconf.c. The application then makes a security decision, r, in freebsd-src-1/servconf.c line 2961, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2974	2974
Object	getnameinfo	r

Code Snippet

File Name freebsd-src-1/servconf.c

Method format_listen_addrs(struct listenaddr *la)

Reliance on DNS Lookups in a Decision\Path 5:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1072

Status New

The *endpoint method performs a reverse DNS lookup with getnameinfo, at line 106 of freebsd-src-1/show.c. The application then makes a security decision, ret, in freebsd-src-1/show.c line 106, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	120	121
Object	getnameinfo	ret

Code Snippet

File Name freebsd-src-1/show.c

Method static char *endpoint(const struct sockaddr *addr)

120. ret = getnameinfo(addr, addr_len, host, sizeof(host),
service, sizeof(service), NI_DGRAM | NI_NUMERICSERV | NI_NUMERICHOST);
121. if (ret) {

Reliance on DNS Lookups in a Decision\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1073



Status New

The channel_setup_fwd_listener_tcpip method performs a reverse DNS lookup with getaddrinfo, at line 3721 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 3721, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3764	3764
Object	getaddrinfo	!=

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

3764. if ((r = getaddrinfo(addr, strport, &hints, &aitop)) != 0) {

Reliance on DNS Lookups in a Decision\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1074

Status New

The channel_setup_fwd_listener_tcpip method performs a reverse DNS lookup with getaddrinfo, at line 3721 of freebsd-src-1/channels.c. The application then makes a security decision, r, in freebsd-src-1/channels.c line 3721, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	3764	3764
Object	getaddrinfo	r

Code Snippet

File Name freebsd-src-1/channels.c

Method channel_setup_fwd_listener_tcpip(struct ssh *ssh, int type,

if ((r = getaddrinfo(addr, strport, &hints, &aitop)) != 0) {

Reliance on DNS Lookups in a Decision\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1075

Status New



The connect_to_helper method performs a reverse DNS lookup with getaddrinfo, at line 4598 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 4598, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4637	4638
Object	getaddrinfo	!=

Code Snippet

File Name

freebsd-src-1/channels.c

Method

connect_to_helper(struct ssh *ssh, const char *name, int port, int socktype,

Reliance on DNS Lookups in a Decision\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1076

Status New

The connect_to_helper method performs a reverse DNS lookup with getaddrinfo, at line 4598 of freebsd-src-1/channels.c. The application then makes a security decision, gaierr, in freebsd-src-1/channels.c line 4598, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4637	4637
Object	getaddrinfo	gaierr

Code Snippet

File Name

freebsd-src-1/channels.c

Method

connect to helper(struct ssh *ssh, const char *name, int port, int socktype,

Reliance on DNS Lookups in a Decision\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=1077

Status New

The x11_create_display_inet method performs a reverse DNS lookup with getaddrinfo, at line 4939 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 4939, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4962	4963
Object	getaddrinfo	!=

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_create_display_inet(struct ssh *ssh, int x11_display_offset,

4962. if ((gaierr = getaddrinfo(NULL, strport, &aitop)) != 0) {

Reliance on DNS Lookups in a Decision\Path 11:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1078

Status New

The x11_create_display_inet method performs a reverse DNS lookup with getaddrinfo, at line 4939 of freebsd-src-1/channels.c. The application then makes a security decision, gaierr, in freebsd-src-1/channels.c line 4939, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	4962	4962
Object	getaddrinfo	gaierr

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_create_display_inet(struct ssh *ssh, int x11_display_offset,

....
4962. if ((gaierr = getaddrinfo(NULL, strport,

Reliance on DNS Lookups in a Decision\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600



87&pathid=1079

Status New

The x11_connect_display method performs a reverse DNS lookup with getaddrinfo, at line 5096 of freebsd-src-1/channels.c. The application then makes a security decision, !=, in freebsd-src-1/channels.c line 5096, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	5181	5181
Object	getaddrinfo	!=

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_connect_display(struct ssh *ssh)

if ((gaierr = getaddrinfo(buf, strport, &hints, &aitop)) !=
0) {

Reliance on DNS Lookups in a Decision\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1080

Status New

The x11_connect_display method performs a reverse DNS lookup with getaddrinfo, at line 5096 of freebsd-src-1/channels.c. The application then makes a security decision, gaierr, in freebsd-src-1/channels.c line 5096, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/channels.c	freebsd-src-1/channels.c
Line	5181	5181
Object	getaddrinfo	gaierr

Code Snippet

File Name freebsd-src-1/channels.c

Method x11_connect_display(struct ssh *ssh)

if ((gaierr = getaddrinfo(buf, strport, &hints, &aitop)) !=
0) {

Reliance on DNS Lookups in a Decision\Path 14:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1081

Status New

The main method performs a reverse DNS lookup with getaddrinfo, at line 293 of freebsd-src-1/phttpget.c. The application then makes a security decision, error, in freebsd-src-1/phttpget.c line 293, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/phttpget.c	freebsd-src-1/phttpget.c
Line	345	347
Object	getaddrinfo	error

Code Snippet

File Name Method freebsd-src-1/phttpget.c
main(int argc, char *argv[])

Reliance on DNS Lookups in a Decision\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1082

Status New

The add_one_listen_addr method performs a reverse DNS lookup with getaddrinfo, at line 797 of freebsd-src-1/servconf.c. The application then makes a security decision, !=, in freebsd-src-1/servconf.c line 797, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	832	832
Object	getaddrinfo	!=

Code Snippet

File Name freebsd-src-1/servconf.c

Method add_one_listen_addr(ServerOptions *options, const char *addr,

```
if ((gaierr = getaddrinfo(addr, strport, &hints, &aitop)) !=
0)
```

Reliance on DNS Lookups in a Decision\Path 16:

Severity Low



Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1083

Status New

The add_one_listen_addr method performs a reverse DNS lookup with getaddrinfo, at line 797 of freebsd-src-1/servconf.c. The application then makes a security decision, gaierr, in freebsd-src-1/servconf.c line 797, even though this hostname is not reliable and can be easily spoofed.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	832	832
Object	getaddrinfo	gaierr

Code Snippet

File Name freebsd-src-1/servconf.c

Method add_one_listen_addr(ServerOptions *options, const char *addr,

if ((gaierr = getaddrinfo(addr, strport, &hints, &aitop)) !=
0)

Exposure of System Data to Unauthorized Control Sphere

Ouerv Path:

CPP\Cx\CPP Low Visibility\Exposure of System Data to Unauthorized Control Sphere Version:1

Categories

FISMA 2014: Configuration Management

NIST SP 800-53: AC-3 Access Enforcement (P1)

Description

Exposure of System Data to Unauthorized Control Sphere\Path 1:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1430

Status New

The system data read by open_sbuf in the file freebsd-src-1/buf.c at line 192 is potentially exposed by open_sbuf found in freebsd-src-1/buf.c at line 192.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	204	204
Object	perror	perror

Code Snippet

File Name freebsd-src-1/buf.c



Method open_sbuf(void)
....
204. perror(sfn);

Exposure of System Data to Unauthorized Control Sphere\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1431

Status New

The system data read by load_server_config in the file freebsd-src-1/servconf.c at line 2619 is potentially exposed by load_server_config found in freebsd-src-1/servconf.c at line 2619.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2629	2629
Object	perror	perror

Code Snippet

File Name freebsd-src-1/servconf.c

Method load_server_config(const char *filename, struct sshbuf *conf)

2629. perror(filename);

Exposure of System Data to Unauthorized Control Sphere\Path 3:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1432

Status New

The system data read by show_main in the file freebsd-src-1/show.c at line 379 is potentially exposed by show main found in freebsd-src-1/show.c at line 379.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	394	394
Object	perror	perror

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])



perror("Unable to list interfaces");

Exposure of System Data to Unauthorized Control Sphere\Path 4:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1433

Status New

The system data read by show_main in the file freebsd-src-1/show.c at line 379 is potentially exposed by show main found in freebsd-src-1/show.c at line 379.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	430	430
Object	perror	perror

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])

430. perror("Unable to list interfaces");

Exposure of System Data to Unauthorized Control Sphere\Path 5:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1434

Status New

The system data read by show_main in the file freebsd-src-1/show.c at line 379 is potentially exposed by show_main found in freebsd-src-1/show.c at line 379.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	443	443
Object	perror	perror

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])



perror("Unable to access interface");

Exposure of System Data to Unauthorized Control Sphere\Path 6:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1435

Status New

The system data read by get_sbuf_line in the file freebsd-src-1/buf.c at line 46 is potentially exposed by get_sbuf_line found in freebsd-src-1/buf.c at line 46.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	60	60
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c
Method get_sbuf_line(line_t *lp)

60. fprintf(stderr, "%s\n", strerror(errno));

Exposure of System Data to Unauthorized Control Sphere\Path 7:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1436

Status New

The system data read by get_sbuf_line in the file freebsd-src-1/buf.c at line 46 is potentially exposed by get_sbuf_line found in freebsd-src-1/buf.c at line 46.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	68	68
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method get_sbuf_line(line_t *lp)



fprintf(stderr, "%s\n", strerror(errno));

Exposure of System Data to Unauthorized Control Sphere\Path 8:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1437

Status New

The system data read by put_sbuf_line in the file freebsd-src-1/buf.c at line 81 is potentially exposed by put_sbuf_line found in freebsd-src-1/buf.c at line 81.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	88	88
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)

88. fprintf(stderr, "%s\n", strerror(errno));

Exposure of System Data to Unauthorized Control Sphere\Path 9:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1438

Status New

The system data read by put_sbuf_line in the file freebsd-src-1/buf.c at line 81 is potentially exposed by put_sbuf_line found in freebsd-src-1/buf.c at line 81.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	104	104
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)



fprintf(stderr, "%s\n", strerror(errno));

Exposure of System Data to Unauthorized Control Sphere\Path 10:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1439

Status New

The system data read by put_sbuf_line in the file freebsd-src-1/buf.c at line 81 is potentially exposed by put_sbuf_line found in freebsd-src-1/buf.c at line 81.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	115	115
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method put_sbuf_line(const char *cs)

....
115. fprintf(stderr, "%s\n", strerror(errno));

Exposure of System Data to Unauthorized Control Sphere\Path 11:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1440

Status New

The system data read by close_sbuf in the file freebsd-src-1/buf.c at line 216 is potentially exposed by close_sbuf found in freebsd-src-1/buf.c at line 216.

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	220	220
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/buf.c

Method close_sbuf(void)



```
fprintf(stderr, "%s: %s\n", sfn, strerror(errno));
```

Exposure of System Data to Unauthorized Control Sphere\Path 12:

Severity Low

Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1441

Status New

The system data read by fail in the file freebsd-src-1/lockstat.c at line 267 is potentially exposed by fail found in freebsd-src-1/lockstat.c at line 267.

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	270	277
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/lockstat.c

Method fail(int do_perror, const char *message, ...)

270. int save_errno = errno;

277. (void) fprintf(stderr, ": %s", strerror(save_errno));

Exposure of System Data to Unauthorized Control Sphere\Path 13:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1442

Status New

The system data read by build_counters_from_header in the file freebsd-src-1/pmcstudy.c at line 2095 is potentially exposed by build_counters_from_header found in freebsd-src-1/pmcstudy.c at line 2095.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2105	2105
Object	errno	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)



2105. printf("First line can't be read from file err:%d\n", errno);

Exposure of System Data to Unauthorized Control Sphere\Path 14:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1443

Status New

The system data read by build_counters_from_header in the file freebsd-src-1/pmcstudy.c at line 2095 is potentially exposed by build_counters_from_header found in freebsd-src-1/pmcstudy.c at line 2095.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2131	2131
Object	errno	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method build_counters_from_header(FILE *io)

2131. printf("No memory err:%d\n", errno);

Exposure of System Data to Unauthorized Control Sphere\Path 15:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1444

Status New

The system data read by process_file in the file freebsd-src-1/pmcstudy.c at line 2243 is potentially exposed by process file found in freebsd-src-1/pmcstudy.c at line 2243.

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2260	2259
Object	errno	printf

Code Snippet

File Name freebsd-src-1/pmcstudy.c

Method process_file(char *filename)



filename, errno);
....
2259. printf("Can't process file %s err:%d\n",

Exposure of System Data to Unauthorized Control Sphere\Path 16:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1445

Status New

The system data read by show_main in the file freebsd-src-1/show.c at line 379 is potentially exposed by show main found in freebsd-src-1/show.c at line 379.

	Source	Destination
File	freebsd-src-1/show.c	freebsd-src-1/show.c
Line	403	403
Object	errno	fprintf

Code Snippet

File Name freebsd-src-1/show.c

Method int show_main(int argc, const char *argv[])

Inconsistent Implementations

Query Path:

CPP\Cx\CPP Low Visibility\Inconsistent Implementations Version:0

Description

Inconsistent Implementations\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1046

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	661	661
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c



Method gvinum_detach(int argc, char * const *argv)
....
661. while ((i = getopt(argc, argv, "f")) != -1) {

Inconsistent Implementations\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1047

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	762	762
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_setstate(int argc, char * const *argv)

762. while ((i = getopt(argc, argv, "f")) != -1) {

Inconsistent Implementations\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1048

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	821	821
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_list(int argc, char * const *argv)

while ((j = getopt(argc, argv, "rsvV")) != -1) {

Inconsistent Implementations\Path 4:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1049

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	898	898
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_move(int argc, char * const *argv)

898. while ((j = getopt(argc, argv, "f")) != -1) {

Inconsistent Implementations\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1050

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	963	963
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_parityop(int argc, char * const *argv, int rebuild)

963. while ((i = getopt(argc, argv, "fv")) != -1) {

Inconsistent Implementations\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1051

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c



Line 1021 1021
Object getopt getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_rename(int argc, char * const *argv)

....
1021. while ((j = getopt(argc, argv, "r")) != -1) {

Inconsistent Implementations\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1052

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1071	1071
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_rm(int argc, char * const *argv)

.... while ((j = getopt(argc, argv, "rf")) != -1) {

Inconsistent Implementations\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1053

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1115	1115
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_resetconfig(int argc, char * const *argv)



```
....
1115. while ((i = getopt(argc, argv, "f")) != -1) {
```

Inconsistent Implementations\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1054

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	1186	1186
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_start(int argc, char * const *argv)

1186. while ((j = getopt(argc, argv, "S")) != -1) {

Inconsistent Implementations\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1055

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1152	1152
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/lockstat.c
Method main(int argc, char **argv)

....
1152. while ((c = getopt(argc, argv, LOCKSTAT_OPTSTR)) !=
GETOPT_EOF) {

Inconsistent Implementations\Path 11:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1056

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1448	1448
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/lockstat.c
Method main(int argc, char **argv)

....
1448. while ((c = getopt(argc, argv, LOCKSTAT_OPTSTR)) !=
GETOPT_EOF) {

Inconsistent Implementations\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1057

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2814	2814
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/pmcstudy.c
Method main(int argc, char **argv)

2814. while ((i = getopt(argc, argv, "ALHhvm:i:?e:TE:")) != -1) {

Inconsistent Implementations\Path 13:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1058

Status New

	Source	Destination
File	freebsd-src-1/rtadvctl.c	freebsd-src-1/rtadvctl.c



Line	159	159
Object	getopt	getopt

Code Snippet

File Name freebsd-src-1/rtadvctl.c

Method main(int argc, char *argv[])

....
159. while ((ch = getopt(argc, argv, "Dv")) != -1) {

Heuristic Buffer Overflow malloc

Query Path:

CPP\Cx\CPP Heuristic\Heuristic Buffer Overflow malloc Version:0

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Heuristic Buffer Overflow malloc\Path 1:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1115

Status New

The size of the buffer used by read_mem in len, at line 2059 of freebsd-src-1/cxgbetool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 3666 of freebsd-src-1/cxgbetool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3666	2066
Object	argv	len

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method main(int argc, const char *argv[])

3666. main(int argc, const char *argv[])

¥

File Name freebsd-src-1/cxgbetool.c

Method read_mem(uint32_t addr, uint32_t len, void (*output)(uint32_t *, uint32_t))



```
....
2066. mr.data = malloc(mr.len);
```

Heuristic Buffer Overflow malloc\Path 2:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1116

Status New

The size of the buffer used by dump_mc7 in len, at line 949 of freebsd-src-1/cxgbtool.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 1744 of freebsd-src-1/cxgbtool.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/cxgbtool.c	freebsd-src-1/cxgbtool.c
Line	1744	970
Object	argv	len

Code Snippet

File Name freebsd-src-1/cxgbtool.c
Method main(int argc, char *argv[])

1744. main(int argc, char *argv[])

¥

File Name freebsd-src-1/cxgbtool.c

Method dump_mc7(int argc, char *argv[], int start_arg, const char *iff_name)

970. mem.buf = malloc(len);

Heuristic Buffer Overflow malloc\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1117

Status New

The size of the buffer used by xmalloc in len, at line 49 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that main passes to argy, at line 2021 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	2021	56



Object argv len

Code Snippet
File Name freebsd-src-1/test_x509.c main(int argc, const char *argv[])

....
2021. main(int argc, const char *argv[])

File Name freebsd-src-1/test_x509.c

Method xmalloc(size_t len)

....
56. buf = malloc(len);

Heuristic Buffer Overflow malloc\Path 4:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1118

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	758
Object	getenv	ср

```
Code Snippet
File Name freebsd-src-1/http.c
Method http_get_proxy(struct url * url, const char *flags)

....

1511. if (((p = getenv("HTTP_PROXY")) || (p = getenv("http_proxy"))) &&

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

....

758. char *key = malloc(strlen(cp) + 1);
```

Heuristic Buffer Overflow malloc\Path 5:



Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1119

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_get_proxy passes to getenv, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	758
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

1511. if (((p = getenv("HTTP_PROXY")) || (p =
getenv("http_proxy"))) &&

¥

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

.... 758. char *key = malloc(strlen(cp) + 1);

Heuristic Buffer Overflow malloc\Path 6:

Severity Low

Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1120

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1760	758
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,



```
File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

....

758. char *key = malloc(strlen(cp) + 1);
```

Heuristic Buffer Overflow malloc\Path 7:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1121

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	759
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

```
1511. if (((p = getenv("HTTP_PROXY")) || (p =
getenv("http_proxy"))) &&
```

A

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

```
759. char *value = malloc(strlen(cp) + 1);
```

Heuristic Buffer Overflow malloc\Path 8:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1122

Status New



The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	759
Object	getenv	ср

```
Code Snippet
```

File Name

freebsd-src-1/http.c

Method

http_get_proxy(struct url * url, const char *flags)

```
1511. if (((p = getenv("HTTP_PROXY")) || (p =
getenv("http_proxy"))) &&
```

A

File Name

freebsd-src-1/http.c

Method

http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

```
759. char *value = malloc(strlen(cp) + 1);
```

Heuristic Buffer Overflow malloc\Path 9:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1123

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http_request_body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1760	759
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_request_body(struct url *URL, const char *op, struct url_stat *us,

```
if ((p = getenv("HTTP_USER_AGENT")) != NULL) {
```

٧



File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

....

759. char *value = malloc(strlen(cp) + 1);

Heuristic Buffer Overflow malloc\Path 10:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1124

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	760
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

1511. if (((p = getenv("HTTP_PROXY")) || (p = getenv("http_proxy"))) &&

A

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

760. char *buf = malloc(strlen(cp) + 1);

Heuristic Buffer Overflow malloc\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1125

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http get proxy passes to geteny, at line 1502 of freebsd-src-1/http.c, to overwrite the target buffer.

Source Destination



File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1511	760
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http_get_proxy(struct url * url, const char *flags)

1511. if (((p = getenv("HTTP_PROXY")) || (p = getenv("http_proxy"))) &&

¥

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)

760. char *buf = malloc(strlen(cp) + 1);

Heuristic Buffer Overflow malloc\Path 12:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1126

Status New

The size of the buffer used by http_parse_authenticate in cp, at line 754 of freebsd-src-1/http.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that http request body passes to geteny, at line 1585 of freebsd-src-1/http.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/http.c	freebsd-src-1/http.c
Line	1760	760
Object	getenv	ср

Code Snippet

File Name freebsd-src-1/http.c

Method http request body(struct url *URL, const char *op, struct url stat *us,

if ((p = getenv("HTTP_USER_AGENT")) != NULL) {

A

File Name freebsd-src-1/http.c

Method http_parse_authenticate(const char *cp, http_auth_challenges_t *cs)



char *buf = malloc(strlen(cp) + 1);

Incorrect Permission Assignment For Critical Resources

Query Path:

CPP\Cx\CPP Low Visibility\Incorrect Permission Assignment For Critical Resources Version:1

Categories

FISMA 2014: Access Control

NIST SP 800-53: AC-3 Access Enforcement (P1) OWASP Top 10 2017: A2-Broken Authentication

Description

Incorrect Permission Assignment For Critical Resources\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1418

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1516	1516
Object	inc	inc

Code Snippet

File Name freebsd-src-1/authzone.c

Method az_parse_file(struct auth_zone* z, FILE* in, uint8_t* rr, size_t rrbuflen,

inc = fopen(incfile, "r");

Incorrect Permission Assignment For Critical Resources\Path 2:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1419

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1585	1585
Object	in	in

Code Snippet

File Name freebsd-src-1/authzone.c



Method auth_zone_read_zonefile(struct auth_zone* z, struct config_file* cfg)

1585. in = fopen(zfilename, "r");

Incorrect Permission Assignment For Critical Resources\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1420

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	1733	1733
Object	out	out

Code Snippet

File Name freebsd-src-1/authzone.c

Method int auth_zone_write_file(struct auth_zone* z, const char* fname)

....
1733. out = fopen(fname, "w");

Incorrect Permission Assignment For Critical Resources\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1421

Status New

	Source	Destination
File	freebsd-src-1/authzone.c	freebsd-src-1/authzone.c
Line	5147	5147
Object	out	out

Code Snippet

File Name freebsd-src-1/authzone.c

Method auth_zone_write_chunks(struct auth_xfer* xfr, const char* fname)

5147. out = fopen(fname, "w");

Incorrect Permission Assignment For Critical Resources\Path 5:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1422

Status New

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	3386	3386
Object	fp	fp

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method parse_offload_policy(const char *fname, struct t4_offload_policy *op)

....
3386. fp = fopen(fname, "r");

Incorrect Permission Assignment For Critical Resources\Path 6:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1423

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	199	199
Object	tmp	tmp

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

if ((tmp = fopen(argv[i], "r")) == NULL) {

Incorrect Permission Assignment For Critical Resources\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1424

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c



Line	233	233
Object	tmp	tmp

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

233. if ((tmp = fopen(tmpfile, "r")) == NULL) {

Incorrect Permission Assignment For Critical Resources\Path 8:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1425

Status New

	Source	Destination
File	freebsd-src-1/lockstat.c	freebsd-src-1/lockstat.c
Line	1330	1330
Object	out	out

Code Snippet

File Name freebsd-src-1/lockstat.c

Method main(int argc, char **argv)

1330. if ((out = fopen(optarg, "w")) == NULL)

Incorrect Permission Assignment For Critical Resources\Path 9:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1426

Status New

	Source	Destination
File	freebsd-src-1/pmcstudy.c	freebsd-src-1/pmcstudy.c
Line	2257	2257
Object	io	io

Code Snippet

File Name freebsd-src-1/pmcstudy.c
Method process_file(char *filename)



io = fopen(filename, "r");

Incorrect Permission Assignment For Critical Resources\Path 10:

Severity Low

Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1427

Status New

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c
Line	2628	2628
Object	f	f

Code Snippet

File Name freebsd-src-1/servconf.c

Method load_server_config(const char *filename, struct sshbuf *conf)

2628. if ((f = fopen(filename, "r")) == NULL) {

Incorrect Permission Assignment For Critical Resources\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1428

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	450	450
Object	f	f

Code Snippet

File Name freebsd-src-1/test_x509.c

Method read_file(const char *name, size_t *len)

450. f = fopen(name, "rb");

Incorrect Permission Assignment For Critical Resources\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-



BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1429

Status New

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	612	612
Object	conf	conf

Code Snippet

File Name freebsd-src-1/test_x509.c
Method conf_init(const char *fname)

612. conf = fopen(fname, "r");

Potential Off by One Error in Loops

Ouerv Path:

CPP\Cx\CPP Heuristic\Potential Off by One Error in Loops Version:1

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.1 - Injection flaws - particularly SQL injection

NIST SP 800-53: SI-16 Memory Protection (P1)

OWASP Top 10 2017: A1-Injection

Description

Potential Off by One Error in Loops\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1060

Status New

The buffer allocated by <= in freebsd-src-1/archive_read_support_format_rar.c at line 3621 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src- 1/archive_read_support_format_rar.c	freebsd-src- 1/archive_read_support_format_rar.c
Line	3630	3630
Object	<=	<=

Code Snippet

File Name freebsd-src-1/archive_read_support_format_rar.c

Method execute_filter_e8(struct rar_filter *filter, struct rar_virtual_machine *vm, size_t

pos, int e9also)



```
....
3630. for (i = 0; i <= length - 5; i++)
```

Potential Off by One Error in Loops\Path 2:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1061

Status New

The buffer allocated by <= in freebsd-src-1/cxgbetool.c at line 1115 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/cxgbetool.c	freebsd-src-1/cxgbetool.c
Line	1129	1129
Object	<=	<=

Code Snippet

File Name freebsd-src-1/cxgbetool.c

Method set_filter(uint32_t idx, int argc, const char *argv[], int hash)

1129. for (start_arg = 0; start_arg + 2 <= argc; start_arg += 2) {

Potential Off by One Error in Loops\Path 3:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1062

Status New

The buffer allocated by <= in freebsd-src-1/dp_rx.c at line 900 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	907	907
Object	<=	<=

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method void ath11k_peer_frags_flush(struct ath11k *ar, struct ath11k_peer *peer)



```
....
907. for (i = 0; i <= IEEE80211_NUM_TIDS; i++) {
```

Potential Off by One Error in Loops\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1063

Status New

The buffer allocated by <= in freebsd-src-1/dp_rx.c at line 918 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	925	925
Object	<=	<=

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method void ath11k_peer_rx_tid_cleanup(struct ath11k *ar, struct ath11k_peer *peer)

925. for (i = 0; i <= IEEE80211_NUM_TIDS; i++) {

Potential Off by One Error in Loops\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1064

Status New

The buffer allocated by <= in freebsd-src-1/dp_rx.c at line 1160 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	1211	1211
Object	<=	<=

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method int ath11k_dp_peer_rx_pn_replay_config(struct ath11k_vif *arvif,



```
....
1211. for (tid = 0; tid <= IEEE80211_NUM_TIDS; tid++) {
```

Potential Off by One Error in Loops\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1065

Status New

The buffer allocated by <= in freebsd-src-1/dp_rx.c at line 3152 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/dp_rx.c	freebsd-src-1/dp_rx.c
Line	3173	3173
Object	<=	<=

Code Snippet

File Name freebsd-src-1/dp_rx.c

Method int ath11k_peer_rx_frag_setup(struct ath11k *ar, const u8 *peer_mac, int

vdev_id)

....
3173. for (i = 0; i <= IEEE80211_NUM_TIDS; i++) {

Potential Off by One Error in Loops\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1066

Status New

The buffer allocated by <= in freebsd-src-1/if_bge.c at line 3138 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/if_bge.c	freebsd-src-1/if_bge.c
Line	3147	3147
Object	<=	<=

Code Snippet

File Name freebsd-src-1/if_bge.c

Method bge_has_multiple_ports(struct bge_softc *sc)



```
for (fscan = 0; fscan <= PCI_FUNCMAX; fscan++)
```

Potential Off by One Error in Loops\Path 8:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1067

Status New

The buffer allocated by <= in freebsd-src-1/iptests.c at line 900 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	932	932
Object	<=	<=

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test5(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

932. for (i = 0; i <=

(TH_URG|TH_ACK|TH_PUSH|TH_RST|TH_SYN|TH_FIN);

Use of Insufficiently Random Values

Query Path:

CPP\Cx\CPP Low Visibility\Use of Insufficiently Random Values Version:0

Categories

FISMA 2014: Media Protection

NIST SP 800-53: SC-28 Protection of Information at Rest (P1)

OWASP Top 10 2017: A3-Sensitive Data Exposure

Description

Use of Insufficiently Random Values\Path 1:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1469

Status New

Method ip_test7 at line 1322 of freebsd-src-1/iptests.c uses a weak method rand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

ource	Destination
-------	-------------



File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1345	1345
Object	rand	rand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test7(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

1345. *s = (rand() >> 13) & 0xff;

Use of Insufficiently Random Values\Path 2:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1470

Status New

Method ip_test7 at line 1322 of freebsd-src-1/iptests.c uses a weak method rand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1360	1360
Object	rand	rand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test7(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

1360. *s = (rand() >> 13) & 0xff;

Use of Insufficiently Random Values\Path 3:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1471

Status New

Method ip_test1 at line 99 of freebsd-src-1/iptests.c uses a weak method rand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c



Line	341	341
Object	rand	rand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test1(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

341. if $((rand() \& 0x1f) != 0) {$

Use of Insufficiently Random Values\Path 4:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1472

Status New

Method ip_test1 at line 99 of freebsd-src-1/iptests.c uses a weak method rand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	351	351
Object	rand	rand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test1(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

351. if ((rand() & 0x1f) != 0) {

Use of Insufficiently Random Values\Path 5:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1473

Status New

Method ip_test1 at line 99 of freebsd-src-1/iptests.c uses a weak method rand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	361	361



Object rand rand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test1(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

361. if $((rand() \& 0x1f) != 0) {$

Use of Insufficiently Random Values\Path 6:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1474

Status New

Method ip_test7 at line 1322 of freebsd-src-1/iptests.c uses a weak method srand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	1339	1339
Object	srand	srand

Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test7(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

1339. srand(time(NULL) ^ (getpid() * getppid()));

Use of Insufficiently Random Values\Path 7:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1475

Status New

Method ip_test1 at line 99 of freebsd-src-1/iptests.c uses a weak method srand to produce random values. These values might be used for secret values, personal identifiers or cryptographic input, allowing an attacker to guess the value.

	Source	Destination
File	freebsd-src-1/iptests.c	freebsd-src-1/iptests.c
Line	297	297
Object	srand	srand



Code Snippet

File Name freebsd-src-1/iptests.c

Method ip_test1(char *dev, int mtu, ip_t *ip, struct in_addr gwip, int ptest)

297. srand(tv.tv_sec ^ getpid() ^ tv.tv_usec);

Heuristic 2nd Order Buffer Overflow malloc

Query Path:

CPP\Cx\CPP Heuristic\Heuristic 2nd Order Buffer Overflow malloc Version:0

Categories

PCI DSS v3.2: PCI DSS (3.2) - 6.5.2 - Buffer overflows NIST SP 800-53: SI-10 Information Input Validation (P1)

OWASP Top 10 2017: A1-Injection

Description

Heuristic 2nd Order Buffer Overflow malloc\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1084

Status New

The size of the buffer used by xmalloc in len, at line 49 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	651	56
Object	fgetc	len

```
Code Snippet
```

File Name freebsd-src-1/test_x509.c Method conf next low(void)

651. x = fgetc(conf);

¥

File Name freebsd-src-1/test_x509.c

Method xmalloc(size_t len)

56. buf = malloc(len);

Heuristic 2nd Order Buffer Overflow malloc\Path 2:

Severity Low Result State To Verify



Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1085

Status New

The size of the buffer used by xmalloc in len, at line 49 of freebsd-src-1/test_x509.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that conf next low passes to fgetc, at line 643 of freebsd-src-1/test_x509.c, to overwrite the target buffer.

	Source	Destination
File	freebsd-src-1/test_x509.c	freebsd-src-1/test_x509.c
Line	657	56
Object	fgetc	len

Code Snippet

File Name freebsd-src-1/test_x509.c Method conf_next_low(void)

x = fgetc(conf);

¥

File Name freebsd-src-1/test_x509.c

Method xmalloc(size_t len)

56. buf = malloc(len);

Insecure Temporary File

Query Path:

CPP\Cx\CPP Low Visibility\Insecure Temporary File Version:0

Categories

NIST SP 800-53: SC-4 Information in Shared Resources (P1)

OWASP Top 10 2017: A3-Sensitive Data Exposure

Description

Insecure Temporary File\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1128

Status New

	Source	Destination
File	freebsd-src-1/buf.c	freebsd-src-1/buf.c
Line	200	200
Object	mkstemp	mkstemp



Code Snippet

File Name freebsd-src-1/buf.c Method open_sbuf(void)

200. if $((fd = mkstemp(sfn)) == -1 \mid \mid$

Insecure Temporary File\Path 2:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1129

Status New

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	210	210
Object	mkstemp	mkstemp

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

if ((fd = mkstemp(tmpfile)) == -1) {

Privacy Violation

Query Path:

CPP\Cx\CPP Low Visibility\Privacy Violation Version:1

Categories

OWASP Top 10 2013: A6-Sensitive Data Exposure FISMA 2014: Identification And Authentication

NIST SP 800-53: SC-4 Information in Shared Resources (P1)

OWASP Top 10 2017: A3-Sensitive Data Exposure

Description

Privacy Violation\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1059

Status New

Method dump_config at line 3000 of freebsd-src-1/servconf.c sends user information outside the application. This may constitute a Privacy Violation.

	Source	Destination
File	freebsd-src-1/servconf.c	freebsd-src-1/servconf.c



Line 3124 2952
Object auth_methods printf

Code Snippet

File Name freebsd-src-1/servconf.c

Method dump_config(ServerOptions *o)

.... 3124. o->num_auth_methods, o->auth_methods);

¥

File Name freebsd-src-1/servconf.c

Method dump_cfg_strarray_oneline(ServerOpCodes code, u_int count, char **vals)

.... 2952. printf(" %s", vals[i]);

Arithmenic Operation On Boolean

Query Path:

CPP\Cx\CPP Low Visibility\Arithmenic Operation On Boolean Version:1

Categories

FISMA 2014: Audit And Accountability

NIST SP 800-53: SC-5 Denial of Service Protection (P1)

<u>Description</u>

Arithmenic Operation On Boolean\Path 1:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1127

Status New

	Source	Destination
File	freebsd-src-1/optimize.c	freebsd-src-1/optimize.c
Line	392	392
Object	BinaryExpr	BinaryExpr

Code Snippet

File Name freebsd-src-1/optimize.c

Method find_levels_r(opt_state_t *opt_state, struct icode *ic, struct block *b)

392. level = MAX(JT(b)->level, JF(b)->level) + 1;

Leaving Temporary Files

Query Path:



CPP\Cx\CPP Low Visibility\Leaving Temporary Files Version:0

Categories

OWASP Top 10 2017: A3-Sensitive Data Exposure

Description

Leaving Temporary Files\Path 1:

Severity Low
Result State To Verify
Online Results http://WIN-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1130

Status New

The application generates a temporary file mkstemp, in the gvinum_create method at freebsd-src-1/gvinum.c:175. This temporary file is never removed, and will remain in the TEMP folder indefinitely.

	Source	Destination
File	freebsd-src-1/gvinum.c	freebsd-src-1/gvinum.c
Line	210	210
Object	mkstemp	mkstemp

Code Snippet

File Name freebsd-src-1/gvinum.c

Method gvinum_create(int argc, char * const *argv)

210. if ((fd = mkstemp(tmpfile)) == -1) {

Information Exposure Through Comments

Query Path:

CPP\Cx\CPP Low Visibility\Information Exposure Through Comments Version:1

Categories

FISMA 2014: Identification And Authentication

NIST SP 800-53: SC-28 Protection of Information at Rest (P1)

Description

Information Exposure Through Comments\Path 1:

Severity Low
Result State To Verify
Online Results http://win-

BA8RD5TJ8IG/CxWebClient/ViewerMain.aspx?scanid=1060097&projectid=600

87&pathid=1468

Status New

	Source	Destination
File	freebsd-src-1/camcontrol.c	freebsd-src-1/camcontrol.c
Line	2454	2454
Object	pwd-	pwd-



```
Code Snippet
File Name freebsd-src-1/camcontrol.c
Method /* pwd->password may not be null terminated */

....
2454. /* pwd->password may not be null terminated */
```

Buffer Overflow LongString

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples



Buffer Overflow Indexes

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Buffer Overflow boundedcpy

Risk

What might happen

Allowing tainted inputs to set the size of how many bytes to copy from source to destination may cause memory corruption, unexpected behavior, instability and data leakage. In some cases, such as when additional and specific areas of memory are also controlled by user input, it may result in code execution.

Cause

How does it happen

Should the size of the amount of bytes to copy from source to destination be greater than the size of the destination, an overflow will occur, and memory beyond the intended buffer will get overwritten. Since this size value is derived from user input, the user may provide an invalid and dangerous buffer size.

General Recommendations

How to avoid it

- Do not trust memory allocation sizes provided by the user; derive them from the copied values instead.
- If memory allocation by a provided value is absolutely required, restrict this size to safe values only. Specifically ensure that this value does not exceed the destination buffer's size.

Source Code Examples

CPP

Size Parameter is Influenced by User Input

```
char dest_buf[10];
memset(dest_buf, '\0', sizeof(dest_buf));
strncpy(dest_buf, src_buf, size); //Assuming size is provided by user input
```

Validating Destination Buffer Length

```
char dest_buf[10];
memset(dest_buf, '\0', sizeof(dest_buf));
if (size < sizeof(dest_buf) && sizeof(src_buf) >= size) //Assuming size is provided by user
input
{
     strncpy(dest_buf, src_buf, size);
}
else
{
     //...
}
```



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Buffer Overflow StrcpyStrcat

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Buffer Overflow IndexFromInput

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Buffer Overflow OutOfBound

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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CGI Stored XSS

Risk

What might happen

Stored malicious data might retrieve system information and exploit the system through CGI (Common Gateway Interface).

Cause

How does it happen

The CGI specification provides opportunities to read files, acquire shell access, and corrupt file systems on server machines and their attached hosts.

Means of gaining access include: exploiting assumptions of the script, exploiting weaknesses in the server environment, and exploiting weaknesses in other programs and system calls.

The primary weakness in CGI scripts is insufficient input validation.

General Recommendations

How to avoid it

Do not provide unnecessary file permissions.

Validate and encode all DB output.

Source Code Examples

Perl

Bad - Printing out data from BD without encoding

```
#!/usr/bin/perl
use CGI;
use DBI;

my $cgi = CGI->new();

$dbh = DBI->connect('dbi:mysql:perltest','root','password')
    or die "Connection Error: $DBI::errstr\n";

$sql = "select * from samples";

$sth = $dbh->prepare($sql);

$sth->execute
    or die "SQL Error: $DBI::errstr\n";

my @row = $sth->fetchrow_array;

print $cgi->header();
    $cgi->start_html(),
    $cgi->p("The result from DB is: ", @row),
    $cgi->end_html;
```



Good - Printing out from DB after encoding

```
#!/usr/bin/perl
use CGI;
use DBI;
use HTML::Entities;
my $cgi = CGI->new();
$dbh = DBI->connect('dbi:mysql:perltest','root','password')
 or die "Connection Error: $DBI::errstr\n";
$sql = "select * from samples";
$sth = $dbh->prepare($sql);
$sth->execute
 or die "SQL Error: $DBI::errstr\n";
my @row = $sth->fetchrow_array;
print $cgi->header();
     $cgi->start_html(),
     $cgi->p("The result from DB is: ", HTML::Entities::encode(@row)),
     $cgi->end html;
```



Command Injection

Risk

What might happen

An attacker could run arbitrary system-level OS commands on the application server host. Depending on the application's OS permissions, these could include:

- File actions (read / create / modify / delete)
- Open a network connection to the attacker's server
- Start and stop system services
- Modify the running application
- Complete server takeover

Cause

How does it happen

The application runs an OS system-level command to complete it's task, rather than via the application code. The command includes untrusted data, that may be controllable by an attacker. This untrusted string may contain malicious system-level commands engineered by an attacker, which could be executed as though the attacker were running commands directly on the application server.

In this case, the application receives data from the user input, and passes it as a string to the Operating System. This unvalidated data is then executed by the OS as a system command, running with the same system privileges as the application.

General Recommendations

How to avoid it

- Refactor the code to avoid any direct shell command execution. Instead, use platform provided APIs or library calls.
- If it is impossible to remove the command execution, execute only static commands that do not include dynamic, user-controlled data.
- Validate all input, regardless of source. Validation should be based on a whitelist: accept only data fitting a specified format, rather than rejecting bad patterns (blacklist). Parameters should be limited to an allowed character set, and non-validated input should be dropped. In addition to characters, check for:
 - o Data type
 - o Size
 - o Range
 - o Format
 - Expected values
- In order to minimize damage as a measure of defense in depth, configure the application to run using a restricted user account that has no unnecessary OS privileges.
- If possible, isolate all OS commands to use a separate dedicated user account that has minimal privileges only for the specific commands and files used by the application, according to the Principle of Least Privilege.
- If absolutely necessary to call a system command or execute external program with user input, do not concatenate the user input with the command. Instead, isolate the parameters from the command by using a platform function that supports this.



- Do not call system() or it's variants, as this does not support separating data parameters from the system command.
- Instead, use one of the functions that receive arguments separately from the command, and validates them. This includes ShellExecute(), execve(), or one of it's variants.
- It is very important to pass user-controlled data to the function as the lpParameters or argN argument (or equivalent), and ensure that it is properly quoted. Never pass user controlled data to as the first parameter for cmdname or filePath.
- Do not directly execute any shell or command interpreters, such as bash, cmd, or make, with user-controlled input.

Source Code Examples

CPP

Execute System (Shell) Command With User Input

```
int main( int argc, char* argv[] )
{
    int result;
    if ( argc == 2 )
    {
        result = system(argv[1]);
    }
    return result;
}
```

Call External Program with Safe Parameters

Refactor Code to Use API Function

```
int main( int argc, char* argv[] )
{
   int result;
   if ( argc == 2 )
   {
```





Buffer Overflow AddressOfLocalVarReturned

Risk

What might happen

A use after free error will cause code to use an area of memory previously assigned with a specific value, which has since been freed and may have been overwritten by another value. This error will likely cause unexpected behavior, memory corruption and crash errors. In some cases where the freed and used section of memory is used to determine execution flow, and the error can be induced by an attacker, this may result in execution of malicious code.

Cause

How does it happen

Pointers to variables allow code to have an address with a set size to a dynamically allocated variable. Eventually, the pointer's destination may become free - either explicitly in code, such as when programmatically freeing this variable, or implicitly, such as when a local variable is returned - once it is returned, the variable's scope is released. Once freed, this memory will be re-used by the application, overwritten with new data. At this point, dereferencing this pointer will potentially resolve newly written and unexpected data.

General Recommendations

How to avoid it

- Do not return local variables or pointers
- Review code to ensure no flow allows use of a pointer after it has been explicitly freed

Source Code Examples

CPP

Use of Variable after It was Freed

```
free(input);
printf("%s", input);
```

Use of Pointer to Local Variable That Was Freed On Return

```
int* func1()
{
    int i;
    i = 1;
    return &i;
}
void func2()
```



```
{
    int j;
    j = 5;
}

//..
    int * i = funcl();
    printf("%d\r\n", *i); // Output could be 1 or Segmentation Fault
    func2();
    printf("%d\r\n", *i); // Output is 5, which is j's value, as func2() overwrote data in
    the stack
//..
```



Buffer Overflow boundcpy WrongSizeParam

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples



Char Overflow

Risk

What might happen

Assigning large data types into smaller data types, without proper checks and explicit casting, will lead to undefined behavior and unintentional effects, such as data corruption (e.g. value wraparound, wherein maximum values become minimum values); system crashes; infinite loops; logic errors, such as bypassing of security mechanisms; or even buffer overflows leading to arbitrary code execution.

Cause

How does it happen

This flaw can occur when implicitly casting numerical data types of a larger size, into a variable with a data type of a smaller size. This forces the program to discard some bits of information from the number. Depending on how the numerical data types are stored in memory, this is often the bits with the highest value, causing substantial corruption of the stored number. Alternatively, the sign bit of a signed integer could be lost, completely reversing the intention of the number.

General Recommendations

How to avoid it

- o Avoid casting larger data types to smaller types.
- o Prefer promoting the target variable to a large enough data type.
- If downcasting is necessary, always check that values are valid and in range of the target type, before casting

Source Code Examples

CPP

Unsafe Downsize Casting

```
int unsafe_addition(short op1, int op2) {
    // op2 gets forced from int into a short
    short total = op1 + op2;
    return total;
}
```

Safer Use of Proper Data Types

```
int safe_addition(short op1, int op2) {
    // total variable is of type int, the largest type that is needed
    int total = 0;

    // check if total will overflow available integer size
    if (INT_MAX - abs(op2) > op1)
```



```
{
    total = op1 + op2;
}
else
{
    // instead of overflow, saturate (but this is not always a good thing)
    total = INT_MAX
}
return total;
}
```



Integer Overflow

Risk

What might happen

Assigning large data types into smaller data types, without proper checks and explicit casting, will lead to undefined behavior and unintentional effects, such as data corruption (e.g. value wraparound, wherein maximum values become minimum values); system crashes; infinite loops; logic errors, such as bypassing of security mechanisms; or even buffer overflows leading to arbitrary code execution.

Cause

How does it happen

This flaw can occur when implicitly casting numerical data types of a larger size, into a variable with a data type of a smaller size. This forces the program to discard some bits of information from the number. Depending on how the numerical data types are stored in memory, this is often the bits with the highest value, causing substantial corruption of the stored number. Alternatively, the sign bit of a signed integer could be lost, completely reversing the intention of the number.

General Recommendations

How to avoid it

- o Avoid casting larger data types to smaller types.
- o Prefer promoting the target variable to a large enough data type.
- o If downcasting is necessary, always check that values are valid and in range of the target type, before casting

Source Code Examples

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Divide By Zero

Risk

What might happen

When a program divides a number by zero, an exception will be raised. If this exception is not handled by the application, unexpected results may occur, including crashing the application. This can be considered a DoS (Denial of Service) attack, if an external user has control of the value of the denominator or can cause this error to occur.

Cause

How does it happen

The program receives an unexpected value, and uses it for division without filtering, validation, or verifying that the value is not zero. The application does not explicitly handle this error or prevent division by zero from occuring.

General Recommendations

How to avoid it

- Before dividing by an unknown value, validate the number and explicitly ensure it does not evaluate to zero
- Validate all untrusted input from all sources, in particular verifying that it is not zero before dividing with it.
- Verify output of methods, calculations, dictionary lookups, and so on, and ensure it is not zero before dividing with the result.
- Ensure divide-by-zero errors are caught and handled appropriately.

Source Code Examples

Java

Divide by Zero

```
public float getAverage(HttpServletRequest req) {
   int total = Integer.parseInt(req.getParameter("total"));
   int count = Integer.parseInt(req.getParameter("count"));

   return total / count;
}
```

Checked Division

```
public float getAverage (HttpServletRequest req) {
   int total = Integer.parseInt(req.getParameter("total"));
   int count = Integer.parseInt(req.getParameter("count"));
```



```
if (count > 0)
        return total / count;
else
        return 0;
}
```



MemoryFree on StackVariable

Risk

What might happen

Undefined Behavior may result with a crash. Crashes may give an attacker valuable information about the system and the program internals. Furthermore, it may leave unprotected files (e.g memory) that may be exploited.

Cause

How does it happen

Calling free() on a variable that was not dynamically allocated (e.g. malloc) will result with an Undefined Behavior.

General Recommendations

How to avoid it

Use free() only on dynamically allocated variables in order to prevent unexpected behavior from the compiler.

Source Code Examples

CPP

Bad - Calling free() on a static variable

```
void clean_up() {
   char temp[256];
   do_something();
   free(tmp);
   return;
}
```

Good - Calling free() only on variables that were dynamically allocated

```
void clean_up() {
  char *buff;
  buff = (char*) malloc(1024);
  free(buff);
  return;
}
```



Wrong Size t Allocation

Risk

What might happen

Incorrect allocation of memory may result in unexpected behavior by either overwriting sections of memory with unexpected values. Under certain conditions where both an incorrect allocation of memory and the values being written can be controlled by an attacker, such an issue may result in execution of malicious code.

Cause

How does it happen

Some memory allocation functions require a size value to be provided as a parameter. The allocated size should be derived from the provided value, by providing the length value of the intended source, multiplied by the size of that length. Failure to perform the correct arithmetic to obtain the exact size of the value will likely result in the source overflowing its destination.

General Recommendations

How to avoid it

- Always perform the correct arithmetic to determine size.
- Specifically for memory allocation, calculate the allocation size from the allocation source:
 - o Derive the size value from the length of intended source to determine the amount of units to be processed.
 - o Always programmatically consider the size of the each unit and their conversion to memory units for example, by using sizeof() on the unit's type.
 - o Memory allocation should be a multiplication of the amount of units being written, times the size of each unit.

Source Code Examples

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Long Overflow

Risk

What might happen

Assigning large data types into smaller data types, without proper checks and explicit casting, will lead to undefined behavior and unintentional effects, such as data corruption (e.g. value wraparound, wherein maximum values become minimum values); system crashes; infinite loops; logic errors, such as bypassing of security mechanisms; or even buffer overflows leading to arbitrary code execution.

Cause

How does it happen

This flaw can occur when implicitly casting numerical data types of a larger size, into a variable with a data type of a smaller size. This forces the program to discard some bits of information from the number. Depending on how the numerical data types are stored in memory, this is often the bits with the highest value, causing substantial corruption of the stored number. Alternatively, the sign bit of a signed integer could be lost, completely reversing the intention of the number.

General Recommendations

How to avoid it

- o Avoid casting larger data types to smaller types.
- o Prefer promoting the target variable to a large enough data type.
- o If downcasting is necessary, always check that values are valid and in range of the target type, before casting

Source Code Examples

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Dangerous Functions

Risk

What might happen

Use of dangerous functions may expose varying risks associated with each particular function, with potential impact of improper usage of these functions varying significantly. The presence of such functions indicates a flaw in code maintenance policies and adherence to secure coding practices, in a way that has allowed introducing known dangerous code into the application.

Cause

How does it happen

A dangerous function has been identified within the code. Functions are often deemed dangerous to use for numerous reasons, as there are different sets of vulnerabilities associated with usage of such functions. For example, some string copy and concatenation functions are vulnerable to Buffer Overflow, Memory Disclosure, Denial of Service and more. Use of these functions is not recommended.

General Recommendations

How to avoid it

- Deploy a secure and recommended alternative to any functions that were identified as dangerous.
 - If no secure alternative is found, conduct further researching and testing to identify whether current usage successfully sanitizes and verifies values, and thus successfully avoids the usecases for whom the function is indeed dangerous
- Conduct a periodical review of methods that are in use, to ensure that all external libraries and built-in functions are up-to-date and whose use has not been excluded from best secure coding practices.

Source Code Examples

CPP

Buffer Overflow in gets()



Safe reading from user

Unsafe function for string copy

```
int main(int argc, char* argv[])
{
    char buf[10];
    strcpy(buf, argv[1]); // overflow occurs when len(argv[1]) > 10 bytes

    return 0;
}
```

Safe string copy

```
int main(int argc, char* argv[])
{
    char buf[10];
    strncpy(buf, argv[1], sizeof(buf));
    buf[9]= '\0'; //strncpy doesn't NULL terminates
    return 0;
}
```

Unsafe format string

```
int main(int argc, char* argv[])
{
    printf(argv[1]); // If argv[1] contains a format token, such as %s,%x or %d, will cause
an access violation
    return 0;
}
```

Safe format string



```
int main(int argc, char* argv[])
{
    printf("%s", argv[1]); // Second parameter is not a formattable string
    return 0;
}
```



Status: Draft

Double Free

Weakness ID: 415 (Weakness Variant)

Description

Description Summary

The product calls free() twice on the same memory address, potentially leading to modification of unexpected memory locations.

Extended Description

When a program calls free() twice with the same argument, the program's memory management data structures become corrupted. This corruption can cause the program to crash or, in some circumstances, cause two later calls to malloc() to return the same pointer. If malloc() returns the same value twice and the program later gives the attacker control over the data that is written into this doubly-allocated memory, the program becomes vulnerable to a buffer overflow attack.

Alternate Terms

Double-free

Time of Introduction

- Architecture and Design
- **Implementation**

Applicable Platforms

Languages

C

C++

Common Consequences

Scope	Effect
Access Control	Doubly freeing memory may result in a write-what-where condition, allowing an attacker to execute arbitrary code.

Likelihood of Exploit

Low to Medium

Demonstrative Examples

Example 1

The following code shows a simple example of a double free vulnerability.

```
Example Language: C
```

```
char* ptr = (char*)malloc (SIZE);
if (abrt) {
free(ptr);
free(ptr);
```

Double free vulnerabilities have two common (and sometimes overlapping) causes:

- Error conditions and other exceptional circumstances
- Confusion over which part of the program is responsible for freeing the memory Although some double free vulnerabilities are not much more complicated than the previous example, most are spread out across hundreds of lines of code or even

different files. Programmers seem particularly susceptible to freeing global variables



more than once.

Example 2

While contrived, this code should be exploitable on Linux distributions which do not ship with heap-chunk check summing turned on.

(Bad Code)

```
Example Language: C
```

```
#include <stdio.h>
#include <unistd.h>
#define BUFSIZE1 512
#define BUFSIZE2 ((BUFSIZE1/2) - 8)
int main(int argc, char **argv) {
char *buf1R1;
char *buf2R1;
char *buf1R2;
buf1R1 = (char *) malloc(BUFSIZE2);
buf2R1 = (char *) malloc(BUFSIZE2);
free(buf1R1);
free(buf2R1);
buf1R2 = (char *) malloc(BUFSIZE1);
strncpy(buf1R2, argv[1], BUFSIZE1-1);
free(buf2R1);
free(buf1R2);
```

Observed Examples

Reference	Description
CVE-2004-0642	Double free resultant from certain error conditions.
CVE-2004-0772	Double free resultant from certain error conditions.
CVE-2005-1689	Double free resultant from certain error conditions.
CVE-2003-0545	Double free from invalid ASN.1 encoding.
CVE-2003-1048	Double free from malformed GIF.
CVE-2005-0891	Double free from malformed GIF.
CVE-2002-0059	Double free from malformed compressed data.

Potential Mitigations

Phase: Architecture and Design

Choose a language that provides automatic memory management.

Phase: Implementation

Ensure that each allocation is freed only once. After freeing a chunk, set the pointer to NULL to ensure the pointer cannot be freed again. In complicated error conditions, be sure that clean-up routines respect the state of allocation properly. If the language is object oriented, ensure that object destructors delete each chunk of memory only once.

Phase: Implementation

Use a static analysis tool to find double free instances.

Relationships

Relationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Weakness Class	398	Indicator of Poor Code Quality	Seven Pernicious Kingdoms (primary)700
ChildOf	Category	399	Resource Management Errors	Development Concepts (primary)699
ChildOf	Category	633	Weaknesses that Affect Memory	Resource-specific Weaknesses (primary)631
ChildOf	Weakness Base	666	Operation on Resource in Wrong Phase of	Research Concepts (primary)1000



			<u>Lifetime</u>	
ChildOf	Weakness Class	675	<u>Duplicate Operations on</u> <u>Resource</u>	Research Concepts1000
ChildOf	Category	742	CERT C Secure Coding Section 08 - Memory Management (MEM)	Weaknesses Addressed by the CERT C Secure Coding Standard (primary)734
PeerOf	Weakness Base	123	Write-what-where Condition	Research Concepts1000
PeerOf	Weakness Base	416	<u>Use After Free</u>	Development Concepts699 Research Concepts1000
MemberOf	View	630	Weaknesses Examined by SAMATE	Weaknesses Examined by SAMATE (primary)630
PeerOf	Weakness Base	364	Signal Handler Race Condition	Research Concepts1000

Relationship Notes

This is usually resultant from another weakness, such as an unhandled error or race condition between threads. It could also be primary to weaknesses such as buffer overflows.

Affected Resources

Memory

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
PLOVER			DFREE - Double-Free Vulnerability
7 Pernicious Kingdoms			Double Free
CLASP			Doubly freeing memory
CERT C Secure Coding	MEM00-C		Allocate and free memory in the same module, at the same level of abstraction
CERT C Secure Coding	MEM01-C		Store a new value in pointers immediately after free()
CERT C Secure Coding	MEM31-C		Free dynamically allocated memory exactly once

White Box Definitions

A weakness where code path has:

- 1. start statement that relinquishes a dynamically allocated memory resource
- 2. end statement that relinquishes the dynamically allocated memory resource

Maintenance Notes

It could be argued that Double Free would be most appropriately located as a child of "Use after Free", but "Use" and "Release" are considered to be distinct operations within vulnerability theory, therefore this is more accurately "Release of a Resource after Expiration or Release", which doesn't exist yet.

Content History

Submissions			
Submission Date	Submitter	Organization	Source
	PLOVER		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Eric Dalci	Cigital	External
	updated Potential Mitigations,	Time of Introduction	
2008-08-01		KDM Analytics	External
	added/updated white box definitions		
2008-09-08	CWE Content Team	MITRE	Internal
	updated Applicable Platforms, Common Consequences, Description, Maintenance Notes, Relationships, Other Notes, Relationship Notes, Taxonomy Mappings		
2000 11 21			11 3
2008-11-24	CWE Content Team	MITRE	Internal

PAGE 558 OF 630



	updated Relationships, Tax	updated Relationships, Taxonomy Mappings			
2009-05-27	CWE Content Team	CWE Content Team MITRE Internal			
	updated Demonstrative Ex	updated Demonstrative Examples			
2009-10-29	CWE Content Team	MITRE	Internal		
	updated Other Notes				

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Path Traversal

Risk

What might happen

An attacker could define any arbitrary file path for the application to use, potentially leading to:

- o Stealing sensitive files, such as configuration or system files
- o Overwriting files such as program binaries, configuration files, or system files
- o Deleting critical files, causing a denial of service (DoS).

Cause

How does it happen

The application uses user input in the file path for accessing files on the application server's local disk. This enables an attacker to arbitrarily determine the file path.

General Recommendations

How to avoid it

- 1. Ideally, avoid depending on user input for file selection.
- 2. Validate all input, regardless of source. Validation should be based on a whitelist: accept only data fitting a specified structure, rather than reject bad patterns. Check for:
 - o Data type
 - o Size
 - o Range
 - o Format
 - Expected values
- 3. Accept user input only for the filename, not for the path and folders.
- 4. Ensure that file path is fully canonicalized.
- 5. Explicitly limit the application to using a designated folder that separate from the applications binary folder
- 6. Restrict the privileges of the application's OS user to necessary files and folders. The application should not be able to write to the application binary folder, and should not read anything outside of the application folder and data folder.

Source Code Examples

CSharp

Using unvalidated user input as the file name may enable the user to access arbitrary files on the server local disk

```
public class PathTraversal
{
    private void foo(TextBox textbox1)

{
    string fileNum = textbox1.Text;
    string path = "c:\files\file" + fileNum;
    FileStream f = new FileStream(path, FileMode.Open);
    byte[] output = new byte[10];
    f.Read(output,0, 10);
```



```
}
```

Potentially hazardous characters are removed from the user input before use

Java

Using unvalidated user input as the file name may enable the user to access arbitrary files on the server local disk

```
public class Absolute_Path_Traversal {
    public static void main(String[] args) {
        Scanner userInputScanner = new Scanner(System.in);
        System.out.print("\nEnter file name: ");
        String name = userInputScanner.nextLine();
        String path = "c:\files\file" + name;
        try {
            BufferedReader reader = new BufferedReader(new FileReader(path));
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Potentially hazardous characters are removed from the user input before use

```
public class Absolute_Path_Traversal_Fixed {
    public static void main (String[] args) {
        Scanner userInputScanner = new Scanner(System.in);
        System.out.print("\nEnter file name: ");
        String name = userInputScanner.nextLine();
        name = name.replace("/", "").replace("..", "");
        String path = "c:\files\file" + name;
        try {
            BufferedReader reader = new BufferedReader(new FileReader(path));
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```



Heap Inspection

Risk

What might happen

All variables stored by the application in unencrypted memory can potentially be retrieved by an unauthorized user, with privileged access to the machine. For example, a privileged attacker could attach a debugger to the running process, or retrieve the process's memory from the swapfile or crash dump file.

Once the attacker finds the user passwords in memory, these can be reused to easily impersonate the user to the system.

Cause

How does it happen

String variables are immutable - in other words, once a string variable is assigned, its value cannot be changed or removed. Thus, these strings may remain around in memory, possibly in multiple locations, for an indefinite period of time until the garbage collector happens to remove it. Sensitive data, such as passwords, will remain exposed in memory as plaintext with no control over their lifetime.

General Recommendations

How to avoid it

Generic Guidance:

- o Do not store senstiive data, such as passwords or encryption keys, in memory in plaintext, even for a short period of time.
- o Prefer to use specialized classes that store encrypted memory.
- o Alternatively, store secrets temporarily in mutable data types, such as byte arrays, and then promptly zeroize the memory locations.

Specific Recommendations - Java:

 Instead of storing passwords in immutable strings, prefer to use an encrypted memory object, such as SealedObject.

Specific Recommendations - .NET:

o Instead of storing passwords in immutable strings, prefer to use an encrypted memory object, such as SecureString or ProtectedData.

Source Code Examples

Java

Plaintext Password in Immutable String

```
class Heap_Inspection
{
   private string password;
   void setPassword()
```



```
password = System.console().readLine("Enter your password: ");
}
}
```

Password Protected in Memory

```
class Heap_Inspection_Fixed
{
    private SealedObject password;

    void setPassword()
{
        byte[] sKey = getKeyFromConfig();
        Cipher c = Cipher.getInstance("AES");
        c.init(Cipher.ENCRYPT_MODE, sKey);

        char[] input = System.console().readPassword("Enter your password: ");
        password = new SealedObject(Arrays.asList(input), c);

        //Zero out the possible password, for security.
        Arrays.fill(password, '0');
    }
}
```

CPP

Vulnerable C code

```
/* Vulnerable to heap inspection */
#include <stdio.h>
void somefunc() {
     printf("Yea, I'm just being called for the heap of it..\n");
void authfunc() {
        char* password = (char *) malloc(256);
        char ch;
        ssize t k;
            int i=0;
        while (k = read(0, \&ch, 1) > 0)
                if (ch == '\n') {
                         password[i]='\0';
                        break;
                } else{
                        password[i++]=ch;
                         fflush(0);
        printf("Password: %s\n", &password[0]);
int main()
   printf("Please enter a password:\n");
     authfunc();
     printf("You can now dump memory to find this password!");
     somefunc();
```



```
gets();
}
```

Safe C code

```
/* Pesumably safe heap */
#include <stdio.h>
#include <string.h>
#define STDIN FILENO 0
void somefunc() {
       printf("Yea, I'm just being called for the heap of it..\n");
void authfunc() {
     char* password = (char*) malloc(256);
     int i=0;
     char ch;
     ssize t k;
     while(k = read(STDIN_FILENO, &ch, 1) > 0)
            if (ch == '\n') {
                   password[i]='\0';
                   break;
            } else{
                   password[i++]=ch;
                   fflush(0);
     memset (password, '\0', 256);
int main()
     printf("Please enter a password:\n");
     authfunc();
     somefunc();
     char ch;
     while(read(STDIN_FILENO, &ch, 1) > 0)
            if (ch == '\n')
                  break;
     }
}
```



Status: Draft

Failure to Release Memory Before Removing Last Reference ('Memory Leak')

Weakness ID: 401 (Weakness Base)

Description

Description Summary

The software does not sufficiently track and release allocated memory after it has been used, which slowly consumes remaining memory.

Extended Description

This is often triggered by improper handling of malformed data or unexpectedly interrupted sessions.

Terminology Notes

"memory leak" has sometimes been used to describe other kinds of issues, e.g. for information leaks in which the contents of memory are inadvertently leaked (CVE-2003-0400 is one such example of this terminology conflict).

Time of Introduction

- Architecture and Design
- **Implementation**

Applicable Platforms

Languages

C

C++

Modes of Introduction

Memory leaks have two common and sometimes overlapping causes:

- Error conditions and other exceptional circumstances
- Confusion over which part of the program is responsible for freeing the memory

Common Consequences

Scope	Effect
Availability	Most memory leaks result in general software reliability problems, but if an attacker can intentionally trigger a memory leak, the attacker might be able to launch a denial of service attack (by crashing or hanging the program) or take advantage of other unexpected program behavior resulting from a low memory condition.

Likelihood of Exploit

Medium

Demonstrative Examples

Example 1

The following C function leaks a block of allocated memory if the call to read() fails to return the expected number of bytes:

```
(Bad Code)
```

```
Example Language: C
char* getBlock(int fd) {
char* buf = (char*) malloc(BLOCK_SIZE);
if (!buf) {
return NULL;
if (read(fd, buf, BLOCK SIZE) != BLOCK SIZE) {
return NULL;
```



```
return buf;
```

Example 2

Here the problem is that every time a connection is made, more memory is allocated. So if one just opened up more and more connections, eventually the machine would run out of memory.

(Bad Code)

```
Example Language: C
```

```
bar connection() {
foo = malloc(1024);
return foo;
}
endConnection(bar foo) {
free(foo);
}
int main() {
while(1) //thread 1
//On a connection
foo=connection(); //thread 2
//When the connection ends
endConnection(foo)
}
```

Observed Examples

Observed Examples	
Reference	Description
CVE-2005-3119	Memory leak because function does not free() an element of a data structure.
CVE-2004-0427	Memory leak when counter variable is not decremented.
CVE-2002-0574	Memory leak when counter variable is not decremented.
CVE-2005-3181	Kernel uses wrong function to release a data structure, preventing data from being properly tracked by other code.
CVE-2004-0222	Memory leak via unknown manipulations as part of protocol test suite.
CVE-2001-0136	Memory leak via a series of the same command.

Potential Mitigations

Pre-design: Use a language or compiler that performs automatic bounds checking.

Phase: Architecture and Design

Use an abstraction library to abstract away risky APIs. Not a complete solution.

Pre-design through Build: The Boehm-Demers-Weiser Garbage Collector or valgrind can be used to detect leaks in code. This is not a complete solution as it is not 100% effective.

Relationships

Kelationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Weakness Class	398	Indicator of Poor Code Quality	Seven Pernicious Kingdoms (primary)700
ChildOf	Category	399	Resource Management Errors	Development Concepts (primary)699
ChildOf	Category	633	Weaknesses that Affect Memory	Resource-specific Weaknesses (primary)631
ChildOf	Category	730	OWASP Top Ten 2004 Category A9 - Denial of Service	Weaknesses in OWASP Top Ten (2004) (primary)711
ChildOf	Weakness Base	772	Missing Release of Resource after Effective	Research Concepts (primary)1000



			<u>Lifetime</u>	
MemberOf	View	630	Weaknesses Examined by SAMATE	Weaknesses Examined by SAMATE (primary)630
CanFollow	Weakness Class	390	Detection of Error Condition Without Action	Research Concepts1000

Relationship Notes

This is often a resultant weakness due to improper handling of malformed data or early termination of sessions.

Affected Resources

Memory

Functional Areas

Memory management

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
PLOVER			Memory leak
7 Pernicious Kingdoms			Memory Leak
CLASP			Failure to deallocate data
OWASP Top Ten 2004	A9	CWE More Specific	Denial of Service

White Box Definitions

A weakness where the code path has:

- 1. start statement that allocates dynamically allocated memory resource
- 2. end statement that loses identity of the dynamically allocated memory resource creating situation where dynamically allocated memory resource is never relinquished

Where "loses" is defined through the following scenarios:

- 1. identity of the dynamic allocated memory resource never obtained
- 2. the statement assigns another value to the data element that stored the identity of the dynamically allocated memory resource and there are no aliases of that data element
- 3. identity of the dynamic allocated memory resource obtained but never passed on to function for memory resource release
- 4. the data element that stored the identity of the dynamically allocated resource has reached the end of its scope at the statement and there are no aliases of that data element

References

J. Whittaker and H. Thompson. "How to Break Software Security". Addison Wesley. 2003.

Content History

community				
Submissions				
Submission Date	Submitter	Organization	Source	
	PLOVER		Externally Mined	
Modifications				
Modification Date	Modifier	Organization	Source	
2008-07-01	Eric Dalci	Cigital	External	
	updated Time of Introduction			
2008-08-01		KDM Analytics	External	
	added/updated white box definitions			
2008-08-15		Veracode	External	
	Suggested OWASP Top Ten 2004 mapping			
2008-09-08	CWE Content Team	MITRE	Internal	
	updated Applicable Platforms, Common Consequences, Relationships, Other Notes, References, Relationship Notes, Taxonomy Mappings, Terminology Notes			
2008-10-14	CWE Content Team	MITRE	Internal	
	updated Description			
2009-03-10	CWE Content Team	MITRE	Internal	
	updated Other Notes			
2009-05-27	CWE Content Team	MITRE	Internal	
	updated Name			
2009-07-17	KDM Analytics		External	
	Improved the White Box De	finition		



2009-07-27	CWE Content Team	MITRE	Internal			
	updated White Box Definit	updated White Box Definitions				
2009-10-29	CWE Content Team	MITRE	Internal			
	updated Modes of Introdu	updated Modes of Introduction, Other Notes				
2010-02-16	CWE Content Team	MITRE	Internal			
	updated Relationships					
Previous Entry Na	ames					
Change Date	Previous Entry Name	Previous Entry Name				
2008-04-11	Memory Leak	Memory Leak				
2009-05-27	Failure to Release Mem Leak')	Failure to Release Memory Before Removing Last Reference (aka 'Memory Leak')				
				D A CITATION		

BACK TO TO



Use of Uninitialized Pointer

Risk

What might happen

A null pointer dereference is likely to cause a run-time exception, a crash, or other unexpected behavior.

Cause

How does it happen

Variables which are declared without being assigned will implicitly retain a null value until they are assigned. The null value can also be explicitly set to a variable, to ensure clear out its contents. Since null is not really a value, it may not have object variables and methods, and any attempt to access contents of a null object, instead of verifying it is set beforehand, will result in a null pointer dereference exception.

General Recommendations

How to avoid it

- For any variable that is created, ensure all logic flows between declaration and use assign a non-null value to the variable first.
- Enforce null checks on any received variable or object before it is dereferenced, to ensure it does not contain a null assigned to it elsewhere.
- Consider the need to assign null values in order to overwrite initialized variables. Consider reassigning or releasing these variables instead.

Source Code Examples

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Inadequate Encryption Strength

Risk

What might happen

Using weak or outdated cryptography does not provide sufficient protection for sensitive data. An attacker that gains access to the encrypted data would likely be able to break the encryption, using either cryptanalysis or brute force attacks. Thus, the attacker would be able to steal user passwords and other personal data. This could lead to user impersonation or identity theft.

Cause

How does it happen

The application uses a weak algorithm, that is considered obselete since it is relatively easy to break. These obselete algorithms are vulnerable to several different kinds of attacks, including brute force.

General Recommendations

How to avoid it

Generic Guidance:

- Always use strong, modern algorithms for encryption, hashing, and so on.
- Do not use weak, outdated, or obsolete algorithms.
- Ensure you select the correct cryptographic mechanism according to the specific requirements.
- Passwords should be protected with a dedicated password protection scheme, such as bcrypt, scrypt, PBKDF2, or Argon2.

Specific Recommendations:

- Do not use SHA-1, MD5, or any other weak hash algorithm to protect passwords or personal data. Instead, use a stronger hash such as SHA-256 when a secure hash is required.
- Do not use DES, Triple-DES, RC2, or any other weak encryption algorithm to protect passwords or personal data. Instead, use a stronger encryption algorithm such as AES to protect personal data.
- Do not use weak encryption modes such as ECB, or rely on insecure defaults. Explicitly specify a stronger encryption mode, such as GCM.
- For symmetric encryption, use a key length of at least 256 bits.

Source Code Examples

Java

Weakly Hashed PII

```
string protectSSN(HttpServletRequest req) {
   string socialSecurityNum = req.getParameter("SocialSecurityNo");
   return DigestUtils.md5Hex(socialSecurityNum);
}
```



Stronger Hash for PII

```
string protectSSN(HttpServletRequest req) {
    string socialSecurityNum = req.getParameter("SocialSecurityNo");
    return DigestUtils.sha256Hex(socialSecurityNum);
}
```



Use of Zero Initialized Pointer

Risk

What might happen

A null pointer dereference is likely to cause a run-time exception, a crash, or other unexpected behavior.

Cause

How does it happen

Variables which are declared without being assigned will implicitly retain a null value until they are assigned. The null value can also be explicitly set to a variable, to ensure clear out its contents. Since null is not really a value, it may not have object variables and methods, and any attempt to access contents of a null object, instead of verifying it is set beforehand, will result in a null pointer dereference exception.

General Recommendations

How to avoid it

- For any variable that is created, ensure all logic flows between declaration and use assign a non-null value to the variable first.
- Enforce null checks on any received variable or object before it is dereferenced, to ensure it does not contain a null assigned to it elsewhere.
- Consider the need to assign null values in order to overwrite initialized variables. Consider reassigning or releasing these variables instead.

Source Code Examples

CPP

Explicit NULL Dereference

```
char * input = NULL;
printf("%s", input);
```

Implicit NULL Dereference

```
char * input;
printf("%s", input);
```

Java

Explicit Null Dereference

```
Object o = null;
out.println(o.getClass());
```





Wrong Memory Allocation

Risk

What might happen

Incorrect allocation of memory may result in unexpected behavior by either overwriting sections of memory with unexpected values. Under certain conditions where both an incorrect allocation of memory and the values being written can be controlled by an attacker, such an issue may result in execution of malicious code.

Cause

How does it happen

Some memory allocation functions require a size value to be provided as a parameter. The allocated size should be derived from the provided value, by providing the length value of the intended source, multiplied by the size of that length. Failure to perform the correct arithmetic to obtain the exact size of the value will likely result in the source overflowing its destination.

General Recommendations

How to avoid it

- Always perform the correct arithmetic to determine size.
- Specifically for memory allocation, calculate the allocation size from the allocation source:
 - o Derive the size value from the length of intended source to determine the amount of units to be processed.
 - o Always programmatically consider the size of the each unit and their conversion to memory units for example, by using sizeof() on the unit's type.
 - o Memory allocation should be a multiplication of the amount of units being written, times the size of each unit.

Source Code Examples

CPP

Allocating and Assigning Memory without Sizeof Arithmetic

```
int *ptr;
ptr = (int*)malloc(5);
for (int i = 0; i < 5; i++)
{
    ptr[i] = i * 2 + 1;
}</pre>
```

Allocating and Assigning Memory with Sizeof Arithmetic

```
int *ptr;
ptr = (int*)malloc(5 * sizeof(int));
for (int i = 0; i < 5; i++)
{
    ptr[i] = i * 2 + 1;</pre>
```



}

Incorrect Arithmetic of Multi-Byte String Allocation

```
wchar_t * dest;
dest = (wchar_t *)malloc(wcslen(source) + 1); // Would not crash for a short "source"
wcscpy((wchar_t *)dest, source);
wprintf(L"Dest: %s\r\n", dest);
```

Correct Arithmetic of Multi-Byte String Allocation

```
wchar_t * dest;
dest = (wchar_t *)malloc((wcslen(source) + 1) * sizeof(wchar_t));
wcscpy((wchar_t *)dest, source);
wprintf(L"Dest: %s\r\n", dest);
```



Stored Buffer Overflow boundcpy

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

CPP

Overflowing Buffers

```
const int BUFFER_SIZE = 10;
char buffer[BUFFER_SIZE];

void copyStringToBuffer(char* inputString)
{
    strcpy(buffer, inputString);
}
```

Checked Buffers

```
const int BUFFER_SIZE = 10;
const int MAX_INPUT_SIZE = 256;
char buffer[BUFFER_SIZE];

void copyStringToBuffer(char* inputString)
```



```
if (strnlen(inputString, MAX_INPUT_SIZE) < sizeof(buffer))
{
    strncpy(buffer, inputString, sizeof(buffer));
}
}</pre>
```



Stored Buffer Overflow cpycat

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Status: Draft

Use of Function with Inconsistent Implementations

Weakness ID: 474 (Weakness Base)

Description

Description Summary

The code uses a function that has inconsistent implementations across operating systems and versions, which might cause security-relevant portability problems.

Time of Introduction

- Architecture and Design
- Implementation

Applicable Platforms

Languages

C: (Often)
PHP: (Often)

ΑII

Potential Mitigations

Do not accept inconsistent behavior from the API specifications when the deviant behavior increase the risk level.

Other Notes

The behavior of functions in this category varies by operating system, and at times, even by operating system version. Implementation differences can include:

- Slight differences in the way parameters are interpreted leading to inconsistent results.
- Some implementations of the function carry significant security risks.
- The function might not be defined on all platforms.

Relationships

Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Weakness Class	398	Indicator of Poor Code Quality	Development Concepts (primary)699 Seven Pernicious Kingdoms (primary)700 Research Concepts (primary)1000
ParentOf	Weakness Variant	589	Call to Non-ubiquitous API	Research Concepts (primary)1000

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
7 Pernicious Kingdoms			Inconsistent Implementations

Content History

Content History					
Submissions					
Submission Date	Submitter	Organization	Source		
	7 Pernicious Kingdoms		Externally Mined		
Modifications					
Modification Date	Modifier	Organization	Source		
2008-07-01	Eric Dalci	Cigital	External		
	updated Potential Mitigations,	Time of Introduction			
2008-09-08	CWE Content Team	MITRE	Internal		
	updated Applicable Platforms,	Relationships, Other Notes, T	axonomy Mappings		
Previous Entry Names					
Change Date	Previous Entry Name				
2008-04-11	Inconsistent Implementat	ions			

BACK TO TO



Privacy Violation

Risk

What might happen

A user's personal information could be stolen by a malicious programmer, or an attacker that intercepts the data.

Cause

How does it happen

The application sends user information, such as passwords, account information, or credit card numbers, outside the application, such as writing it to a local text or log file or sending it to an external web service.

General Recommendations

How to avoid it

- 1. Personal data should be removed before writing to logs or other files.
- 2. Review the need and justification of sending personal data to remote web services.

Source Code Examples

CSharp

The user's password is written to the screen

```
class PrivacyViolation
{
    static void foo(string insert_sql)

{
    string password = "unsafe password";
    insert_sql = insert_sql.Replace("$password", password);
    System.Console.WriteLine(insert_sql);
    }
}
```

the user's password is MD5 coded before being written to the screen

```
class PrivacyViolationFixed
{
     static void foo(string insert_sql)
     {
```



```
string password = "unsafe_password";
    MD5 md5Hash = System.Security.Cryptography.MD5.Create();
    byte[] data = md5Hash.ComputeHash(Encoding.UTF8.GetBytes(password));
StringBuilder md5Password = new StringBuilder();

    for (int i = 0; i < data.Length; i++)
    {
        md5Password.Append(data[i].ToString("x2"));
    }
    insert_sql = insert_sql.Replace("$password", md5Password.ToString());
        System.Console.WriteLine(insert_sql);
}
</pre>
```



Potential Off by One Error in Loops

Risk

What might happen

An off by one error may result in overwriting or over-reading of unintended memory; in most cases, this can result in unexpected behavior and even application crashes. In other cases, where allocation can be controlled by an attacker, a combination of variable assignment and an off by one error can result in execution of malicious code.

Cause

How does it happen

Often when designating variables to memory, a calculation error may occur when determining size or length that is off by one.

For example in loops, when allocating an array of size 2, its cells are counted as 0,1 - therefore, if a For loop iterator on the array is incorrectly set with the start condition i=0 and the continuation condition i<=2, three cells will be accessed instead of 2, and an attempt will be made to write or read cell [2], which was not originally allocated, resulting in potential corruption of memory outside the bounds of the originally assigned array.

Another example occurs when a null-byte terminated string, in the form of a character array, is copied without its terminating null-byte. Without the null-byte, the string representation is unterminated, resulting in certain functions to over-read memory as they expect the missing null terminator.

General Recommendations

How to avoid it

- Always ensure that a given iteration boundary is correct:
 - With array iterations, consider that arrays begin with cell 0 and end with cell n-1, for a size n array.
 - With character arrays and null-byte terminated string representations, consider that the null byte is required and should not be overwritten or ignored; ensure functions in use are not vulnerable to off-by-one, specifically for instances where null-bytes are automatically appended after the buffer, instead of in place of its last character.
- Where possible, use safe functions that manage memory and are not prone to off-by-one errors.

Source Code Examples

CPP

Off-By-One in For Loop

```
int *ptr;
ptr = (int*)malloc(5 * sizeof(int));
for (int i = 0; i <= 5; i++)
{
    ptr[i] = i * 2 + 1; // ptr[5] will be set, but is out of bounds</pre>
```



}

Proper Iteration in For Loop

```
int *ptr;
ptr = (int*)malloc(5 * sizeof(int));
for (int i = 0; i < 5; i++)
{
    ptr[i] = i * 2 + 1; // ptr[0-4] are well defined
}</pre>
```

Off-By-One in strncat

strncat(buf, input, sizeof(buf) - strlen(buf)); // actual value should be sizeof(buf) strlen(buf) - 1 - this form will overwrite the terminating nullbyte



Reliance on DNS Lookups in a Decision

Risk

What might happen

Relying on reverse DNS records, without verifying domain ownership via cryptographic certificates or protocols, is not a sufficient authentication mechanism. Basing any security decisions on the registered hostname could allow an external attacker to control the application flow. The attacker could possibly perform restricted operations, bypass access controls, and even spoof the user's identity, inject a bogus hostname into the security log, and possibly other logic attacks.

Cause

How does it happen

The application performs a reverse DNS resolution, based on the remote IP address, and performs a security check based on the returned hostname. However, it is relatively easy to spoof DNS names, or cause them to be misreported, depending on the context of the specific environment. If the remote server is controlled by the attacker, it can be configured to report a bogus hostname. Additionally, the attacker could also spoof the hostname if she controls the associated DNS server, or by attacking the legitimate DNS server, or by poisoning the server's DNS cache, or by modifying unprotected DNS traffic to the server. Regardless of the vector, a remote attacker can alter the detected network address, faking the authentication details.

General Recommendations

How to avoid it

- Do not rely on DNS records, network addresses, or system hostnames as a form of authentication, or any other security-related decision.
- Do not perform reverse DNS resolution over an unprotected protocol without record validation.
- Implement a proper authentication mechanism, such as passwords, cryptographic certificates, or public key digital signatures.
- Consider using proposed protocol extensions to cryptographically protect DNS, e.g. DNSSEC (though note the limited support and other drawbacks).

Source Code Examples

Java

Using Reverse DNS as Authentication

```
private boolean isInternalEmployee(ServletRequest req) {
   boolean isCompany = false;

   String ip = req.getRemoteAddr();
   InetAddress address = InetAddress.getByName(ip);

   if (address.getHostName().endsWith(COMPANYNAME)) {
        isCompany = true;
   }
   return isCompany;
```



}

Verify Authenticated User's Identity

```
private boolean isInternalEmployee(ServletRequest req) {
    boolean isCompany = false;

    Principal user = req.getUserPrincipal();
    if (user != null) {
        if (user.getName().startsWith(COMPANYDOMAIN + "\\"))) {
            isCompany = true;
        }
    }
    return isCompany;
}
```



Heuristic 2nd Order Buffer Overflow malloc

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Potential Precision Problem

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Heuristic Buffer Overflow malloc

Risk

What might happen

Buffer overflow attacks, in their various forms, could allow an attacker to control certain areas of memory. Typically, this is used to overwrite data on the stack necessary for the program to function properly, such as code and memory addresses, though other forms of this attack exist. Exploiting this vulnerability can generally lead to system crashes, infinite loops, or even execution of arbitrary code.

Cause

How does it happen

Buffer Overflows can manifest in numerous different variations. In it's most basic form, the attack controls a buffer, which is then copied to a smaller buffer without size verification. Because the attacker's source buffer is larger than the program's target buffer, the attacker's data overwrites whatever is next on the stack, allowing the attacker to control program structures.

Alternatively, the vulnerability could be the result of improper bounds checking; exposing internal memory addresses outside of their valid scope; allowing the attacker to control the size of the target buffer; or various other forms.

General Recommendations

How to avoid it

- o Always perform proper bounds checking before copying buffers or strings.
- o Prefer to use safer functions and structures, e.g. safe string classes over char*, strncpy over strcpy, and so on.
- o Consistently apply tests for the size of buffers.
- o Do not return variable addresses outside the scope of their variables.

Source Code Examples

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Indicator of Poor Code Quality

Weakness ID: 398 (Weakness Class) Status: Draft

Description

Description Summary

The code has features that do not directly introduce a weakness or vulnerability, but indicate that the product has not been carefully developed or maintained.

Extended Description

Programs are more likely to be secure when good development practices are followed. If a program is complex, difficult to maintain, not portable, or shows evidence of neglect, then there is a higher likelihood that weaknesses are buried in the code.

Time of Introduction

- Architecture and Design
- Implementation

Relationships

Kelationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	18	Source Code	Development Concepts (primary)699
ChildOf	Weakness Class	710	Coding Standards Violation	Research Concepts (primary)1000
ParentOf	Weakness Variant	107	Struts: Unused Validation Form	Research Concepts (primary)1000
ParentOf	Weakness Variant	110	Struts: Validator Without Form Field	Research Concepts (primary)1000
ParentOf	Category	399	Resource Management Errors	Development Concepts (primary)699
ParentOf	Weakness Base	401	Failure to Release Memory Before Removing Last Reference ('Memory Leak')	Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Base	404	Improper Resource Shutdown or Release	Development Concepts699 Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Variant	415	Double Free	Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Base	416	<u>Use After Free</u>	Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Variant	457	<u>Use of Uninitialized</u> <u>Variable</u>	Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Base	474	Use of Function with Inconsistent Implementations	Development Concepts (primary)699 Seven Pernicious Kingdoms (primary)700 Research Concepts (primary)1000
ParentOf	Weakness Base	475	<u>Undefined Behavior for</u> <u>Input to API</u>	Development Concepts (primary)699 Seven Pernicious Kingdoms (primary)700
ParentOf	Weakness Base	476	NULL Pointer	Development



			<u>Dereference</u>	Concepts (primary)699 Seven Pernicious Kingdoms (primary)700 Research Concepts (primary)1000
ParentOf	Weakness Base	477	<u>Use of Obsolete</u> <u>Functions</u>	Development Concepts (primary)699 Seven Pernicious Kingdoms (primary)700 Research Concepts (primary)1000
ParentOf	Weakness Variant	478	Missing Default Case in Switch Statement	Development Concepts (primary)699
ParentOf	Weakness Variant	479	Unsafe Function Call from a Signal Handler	Development Concepts (primary)699
ParentOf	Weakness Variant	483	Incorrect Block Delimitation	Development Concepts (primary)699
ParentOf	Weakness Base	484	Omitted Break Statement in Switch	Development Concepts (primary)699 Research Concepts1000
ParentOf	Weakness Variant	546	Suspicious Comment	Development Concepts (primary)699 Research Concepts (primary)1000
ParentOf	Weakness Variant	547	Use of Hard-coded, Security-relevant Constants	Development Concepts (primary)699 Research Concepts (primary)1000
ParentOf	Weakness Variant	561	<u>Dead Code</u>	Development Concepts (primary)699 Research Concepts (primary)1000
ParentOf	Weakness Base	562	Return of Stack Variable Address	Development Concepts (primary)699 Research Concepts1000
ParentOf	Weakness Variant	563	<u>Unused Variable</u>	Development Concepts (primary)699 Research Concepts (primary)1000
ParentOf	Category	569	Expression Issues	Development Concepts (primary)699
ParentOf	Weakness Variant	585	Empty Synchronized Block	Development Concepts (primary)699 Research Concepts (primary)1000
ParentOf	Weakness Variant	586	Explicit Call to Finalize()	Development Concepts (primary)699
ParentOf	Weakness Variant	617	Reachable Assertion	Development Concepts (primary)699
ParentOf	Weakness Base	676	Use of Potentially Dangerous Function	Development Concepts (primary)699 Research Concepts (primary)1000
MemberOf	View	700	<u>Seven Pernicious</u> <u>Kingdoms</u>	Seven Pernicious Kingdoms (primary)700

Taxonomy Mappings

Mapped Taxonomy Name Node ID Fit Mapped Node Name



7 Pernicious Kingdoms				Code (
Content History				
Submissions				
Submission Date	Submitter	Organization	Source	
	7 Pernicious Kingdoms		Externally Mined	
Modifications				
Modification Date	Modifier	Organization	Source	
2008-07-01	Eric Dalci	Cigital	External	
	updated Time of Introduct	ion		
2008-09-08	CWE Content Team	MITRE	Internal	
	updated Description, Relat	tionships, Taxonomy Mappi	ngs	
2009-10-29	CWE Content Team	MITRE	Internal	
	updated Relationships			
Previous Entry Nam	es			
Change Date	Previous Entry Name	2		
2008-04-11	Code Quality			

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Status: Incomplete

Insecure Temporary File

Weakness ID: 377 (Weakness Base)

Description

Description Summary

Creating and using insecure temporary files can leave application and system data vulnerable to attack. **Time of Introduction**

- Architecture and Design
- Implementation

Applicable Platforms

Languages

ΑII

Demonstrative Examples

Example 1

The following code uses a temporary file for storing intermediate data gathered from the network before it is processed.

```
(Bad Code)

Example Language: C

if (tmpnam_r(filename)) {

FILE* tmp = fopen(filename, "wb+");

while((recv(sock,recvbuf,DATA_SIZE, 0) > 0)&(amt!=0)) amt = fwrite(recvbuf,1,DATA_SIZE,tmp);
}
...
```

This otherwise unremarkable code is vulnerable to a number of different attacks because it relies on an insecure method for creating temporary files. The vulnerabilities introduced by this function and others are described in the following sections. The most egregious security problems related to temporary file creation have occurred on Unix-based operating systems, but Windows applications have parallel risks. This section includes a discussion of temporary file creation on both Unix and Windows systems. Methods and behaviors can vary between systems, but the fundamental risks introduced by each are reasonably constant.

Other Notes

Applications require temporary files so frequently that many different mechanisms exist for creating them in the C Library and Windows(R) API. Most of these functions are vulnerable to various forms of attacks.

The functions designed to aid in the creation of temporary files can be broken into two groups based whether they simply provide a filename or actually open a new file. - Group 1: "Unique" Filenames: The first group of C Library and WinAPI functions designed to help with the process of creating temporary files do so by generating a unique file name for a new temporary file, which the program is then supposed to open. This group includes C Library functions like tmpnam(), tempnam(), mktemp() and their C++ equivalents prefaced with an _ (underscore) as well as the GetTempFileName() function from the Windows API. This group of functions suffers from an underlying race condition on the filename chosen. Although the functions guarantee that the filename is unique at the time it is selected, there is no mechanism to prevent another process or an attacker from creating a file with the same name after it is selected but before the application attempts to open the file. Beyond the risk of a legitimate collision caused by another call to the same function, there is a high probability that an attacker will be able to create a malicious collision because the filenames generated by these functions are not sufficiently randomized to make them difficult to guess. If a file with the selected name is created, then depending on how the file is opened the existing contents or access permissions of the file may remain intact. If the existing contents of the file are malicious in nature, an attacker may be able to inject dangerous data into the application when it reads data back from the temporary file. If an attacker pre-creates the file with relaxed access permissions, then data stored in the temporary file by the application may be accessed, modified or corrupted by an attacker. On Unix based systems an even more insidious attack is possible if the attacker pre-creates the file as a link to another important file. Then, if the application truncates or writes data to the file, it may unwittingly perform damaging operations for the attacker. This is an especially serious threat if the program operates with elevated permissions. Finally, in the best case the file will be opened with the a call to open() using the O_CREAT and O_EXCL flags or to CreateFile() using the CREATE_NEW attribute, which will fail if the file already exists and therefore prevent the types of attacks described above. However, if an attacker is able to accurately predict a sequence of temporary file names, then the application may be prevented from opening necessary temporary storage causing a denial of service (DoS) attack. This type of attack would not be difficult to mount given the small amount of randomness used in



the selection of the filenames generated by these functions. - Group 2: "Unique" Files: The second group of C Library functions attempts to resolve some of the security problems related to temporary files by not only generating a unique file name, but also opening the file. This group includes C Library functions like tmpfile() and its C++ equivalents prefaced with an _ (underscore), as well as the slightly better-behaved C Library function mkstemp(). The tmpfile() style functions construct a unique filename and open it in the same way that fopen() would if passed the flags "wb+", that is, as a binary file in read/write mode. If the file already exists, tmpfile() will truncate it to size zero, possibly in an attempt to assuage the security concerns mentioned earlier regarding the race condition that exists between the selection of a supposedly unique filename and the subsequent opening of the selected file. However, this behavior clearly does not solve the function's security problems. First, an attacker can pre-create the file with relaxed access-permissions that will likely be retained by the file opened by tmpfile(). Furthermore, on Unix based systems if the attacker pre-creates the file as a link to another important file, the application may use its possibly elevated permissions to truncate that file, thereby doing damage on behalf of the attacker. Finally, if tmpfile() does create a new file, the access permissions applied to that file will vary from one operating system to another, which can leave application data vulnerable even if an attacker is unable to predict the filename to be used in advance. Finally, mkstemp() is a reasonably safe way create temporary files. It will attempt to create and open a unique file based on a filename template provided by the user combined with a series of randomly generated characters. If it is unable to create such a file, it will fail and return -1. On modern systems the file is opened using mode 0600, which means the file will be secure from tampering unless the user explicitly changes its access permissions. However, mkstemp() still suffers from the use of predictable file names and can leave an application vulnerable to denial of service attacks if an attacker causes mkstemp() to fail by predicting and pre-creating the filenames to be used.

Relationshins

retationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	361	Time and State	Seven Pernicious Kingdoms (primary)700
ChildOf	Category	376	Temporary File Issues	Development Concepts (primary)699
ChildOf	Weakness Class	668	Exposure of Resource to Wrong Sphere	Research Concepts (primary)1000
ParentOf	Weakness Base	378	<u>Creation of Temporary</u> <u>File With Insecure</u> <u>Permissions</u>	Research Concepts (primary)1000
ParentOf	Weakness Base	379	Creation of Temporary File in Directory with Incorrect Permissions	Research Concepts (primary)1000

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
7 Pernicious Kingdoms			Insecure Temporary File

References

[REF-11] M. Howard and D. LeBlanc. "Writing Secure Code". Chapter 23, "Creating Temporary Files Securely" Page 682. 2nd Edition. Microsoft. 2002.

Content History

Content History			
Submissions			
Submission Date	Submitter	Organization	Source
	7 Pernicious Kingdoms		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Eric Dalci	Cigital	External
	updated Time of Introduction		
2008-09-08	CWE Content Team	MITRE	Internal
	updated Relationships, Other Notes, Taxonomy Mappings		
2009-03-10	CWE Content Team	MITRE	Internal
	updated Demonstrative Exam	nples	
2009-05-27	CWE Content Team	MITRE	Internal
	updated Demonstrative Exam	nples	
2010-02-16	CWE Content Team	MITRE	Internal
	updated References		



Leaving Temporary Files

Risk

What might happen

Applications often create temporary files containing sensitive business data or personal information, in order to handle the file generation process in several steps, or even as the output of an automatic process. These files, if left exposed on disk for an indeterminate period of time, could leak the secret data to unauthorized users.

Cause

How does it happen

It is very common for applications to use temporary files, as intermediate storage and to aid with processing large amounts of data or long-running calculations. Applications require such files so frequently that most operating systems allocate a dedicated area for temporary files, such as a TEMP directory, and several different mechanisms for creating them exist in most platforms. However, by default these temporary files are not deleted automatically, and will remain on disk indefinitely. If the program does not explicitly and proactively delete the temporary files when it is finished processing them, they might be accessbile to other users of the computer.

General Recommendations

How to avoid it

- Always explicitly delete any temporary file created. Ensure temp file deletion will occur by wrapping it in a finally { } block, or call File.deleteOnExit() to ensure eventual deletion.
- Additionally, to ensure that all temporary files will eventually be deleted, consider implementing additional functionality that will periodically scrape and delete all unused, existing temporary files.
- Ensure all existing file handles or references are closed before attempting deletion.

Source Code Examples

Java

Leaving Temporary Report File

```
private byte[] generateData(int key) {
    File tempFile = File.createTempFile(TEMP_PREFIX, ".txt");

    FileOutputStream writer = new FileOutputStream(tempFile);
    ReportGenerator.writeHugeReportToFileStream(writer, key);

FileInputStream reader = new FileInputStream(tempFile);
    int length = reader.available();
    if (length > 0) {
        byte[] reportData = new byte[length];
        reader.read(reportData);

        return reportData;
    }
    else {
        return null;
}
```



}

Cleaning Up Temporary Report File

```
private byte[] generateData(int key) {
     byte[] reportData = null;
     File tempFile = null;
     FileOutputStream writer = null;
     FileInputStream reader = null;
     try {
      tempFile = File.createTempFile(TEMP PREFIX, ".txt");
      writer = new FileOutputStream(tempFile);
      ReportGenerator.writeHugeReportToFileStream(writer, key);
      reader = new FileInputStream(tempFile);
      int length = reader.available();
      if (length > 0) {
              reportData = new byte[length];
          reader.read(reportData);
      }
     catch (IOException e) {
            handleError(e);
     finally {
             if (reader != null) {
             try {
                    reader.close();
                    catch (IOException e) {
                           handleError(e);
            if (writer != null) {
             try {
                    writer.close();
            catch (IOException e) {
               handleError(e);
             \textbf{if} \ (\texttt{tempFile} \ != \ \textbf{null}) \ \{ \\
             try {
            tempFile.delete();
            catch (IOException e) {
                handleError(e);
     return reportData;
}
```



Status: Draft

Use of sizeof() on a Pointer Type

Weakness ID: 467 (Weakness Variant)

Description

Description Summary

The code calls sizeof() on a malloced pointer type, which always returns the wordsize/8. This can produce an unexpected result if the programmer intended to determine how much memory has been allocated.

Time of Introduction

Implementation

Applicable Platforms

Languages

C

C++

Common Consequences

Scope	Effect
Integrity	This error can often cause one to allocate a buffer that is much smaller than what is needed, leading to resultant weaknesses such as buffer overflows.

Likelihood of Exploit

High

Demonstrative Examples

Example 1

Care should be taken to ensure size of returns the size of the data structure itself, and not the size of the pointer to the data structure.

In this example, sizeof(foo) returns the size of the pointer.

```
(Bad Code)
```

```
Example Languages: C and C++
double *foo;
...
foo = (double *)malloc(sizeof(foo));
```

In this example, sizeof(*foo) returns the size of the data structure and not the size of the pointer.

(Good Code)

```
Example Languages: C and C++ double *foo;
```

...

foo = (double *)malloc(sizeof(*foo));

Example 2

This example defines a fixed username and password. The AuthenticateUser() function is intended to accept a username and a password from an untrusted user, and check to ensure that it matches the username and password. If the username and password match, AuthenticateUser() is intended to indicate that authentication succeeded.

(Bad Code)

```
/* Ignore CWE-259 (hard-coded password) and CWE-309 (use of password system for authentication) for this example. */
char *username = "admin";
char *pass = "password";
int AuthenticateUser(char *inUser, char *inPass) {
```



```
printf("Sizeof username = %d\n", sizeof(username));
printf("Sizeof pass = %d\n", sizeof(pass));
if (strncmp(username, inUser, sizeof(username))) {
printf("Auth failure of username using sizeof\n");
return(AUTH_FAIL);
/* Because of CWE-467, the sizeof returns 4 on many platforms and architectures. */
if (! strncmp(pass, inPass, sizeof(pass))) {
printf("Auth success of password using sizeof\n");
return(AUTH SUCCESS);
else {
printf("Auth fail of password using sizeof\n");
return(AUTH FAIL);
int main (int argc, char **argv)
int authResult;
if (argc < 3) {
ExitError("Usage: Provide a username and password");
authResult = AuthenticateUser(argv[1], argv[2]);
if (authResult != AUTH SUCCESS) {
ExitError("Authentication failed");
DoAuthenticatedTask(argv[1]);
```

In AuthenticateUser(), because sizeof() is applied to a parameter with an array type, the sizeof() call might return 4 on many modern architectures. As a result, the strncmp() call only checks the first four characters of the input password, resulting in a partial comparison (CWE-187), leading to improper authentication (CWE-287).

Because of the partial comparison, any of these passwords would still cause authentication to succeed for the "admin" user:

(Attack

pass5 passABCDEFGH passWORD

Because only 4 characters are checked, this significantly reduces the search space for an attacker, making brute force attacks more feasible.

The same problem also applies to the username, so values such as "adminXYZ" and "administrator" will succeed for the username.

Potential Mitigations

Phase: Implementation

Use expressions such as "sizeof(*pointer)" instead of "sizeof(pointer)", unless you intend to run sizeof() on a pointer type to gain some platform independence or if you are allocating a variable on the stack.

Other Notes

The use of sizeof() on a pointer can sometimes generate useful information. An obvious case is to find out the wordsize on a platform. More often than not, the appearance of sizeof(pointer) indicates a bug.

Weakness Ordinalities

Ordinality	Description
Primary	(where the weakness exists independent of other weaknesses)



Relationships

Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	465	<u>Pointer Issues</u>	Development Concepts (primary)699
ChildOf	Weakness Class	682	Incorrect Calculation	Research Concepts (primary)1000
ChildOf	Category	737	CERT C Secure Coding Section 03 - Expressions (EXP)	Weaknesses Addressed by the CERT C Secure Coding Standard (primary)734
ChildOf	Category	740	CERT C Secure Coding Section 06 - Arrays (ARR)	Weaknesses Addressed by the CERT C Secure Coding Standard734
CanPrecede	Weakness Base	131	Incorrect Calculation of Buffer Size	Research Concepts1000

Taxonomy Mappings

v 11 0			
Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
CLASP			Use of sizeof() on a pointer type
CERT C Secure Coding	ARR01-C		Do not apply the sizeof operator to a pointer when taking the size of an array
CERT C Secure Coding	EXP01-C		Do not take the size of a pointer to determine the size of the pointed-to type

White Box Definitions

A weakness where code path has:

- 1. end statement that passes an identity of a dynamically allocated memory resource to a sizeof operator
- $\ensuremath{\mathsf{2}}.$ start statement that allocates the dynamically allocated memory resource

References

Robert Seacord. "EXP01-A. Do not take the size of a pointer to determine the size of a type".

https://www.securecoding.cert.org/confluence/display/seccode/EXP01-

 $\underline{A.+Do+not+take+the+sizeof+a+pointer+to+determine+the+size+of+a+type}{>}.$

Content History

Content History			
Submissions			
Submission Date	Submitter	Organization	Source
	CLASP		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Eric Dalci	Cigital	External
	updated Time of Introduction	n	
2008-08-01		KDM Analytics	External
	added/updated white box d	efinitions	
2008-09-08	CWE Content Team	MITRE	Internal
	updated Applicable Platform Taxonomy Mappings, Weak	s, Common Consequences, Reness Ordinalities	elationships, Other Notes,
2008-11-24	CWE Content Team	MITRE	Internal
	updated Relationships, Taxo	nomy Mappings	
2009-03-10	CWE Content Team	MITRE	Internal
	updated Demonstrative Exa	mples	
2009-12-28	CWE Content Team	MITRE	Internal
	updated Demonstrative Exa	mples	
2010-02-16	CWE Content Team	MITRE	Internal
	updated Relationships		

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Status: Draft

Improper Access Control (Authorization)

Weakness ID: 285 (Weakness Class)

Description

Description Summary

The software does not perform or incorrectly performs access control checks across all potential execution paths.

Extended Description

When access control checks are not applied consistently - or not at all - users are able to access data or perform actions that they should not be allowed to perform. This can lead to a wide range of problems, including information leaks, denial of service, and arbitrary code execution.

Alternate Terms

AuthZ:

"AuthZ" is typically used as an abbreviation of "authorization" within the web application security community. It is also distinct from "AuthC," which is an abbreviation of "authentication." The use of "Auth" as an abbreviation is discouraged, since it could be used for either authentication or authorization.

Time of Introduction

- Architecture and Design
- Implementation
- Operation

Applicable Platforms

Languages

Language-independent

Technology Classes

Web-Server: (Often)

Database-Server: (Often)

Modes of Introduction

A developer may introduce authorization weaknesses because of a lack of understanding about the underlying technologies. For example, a developer may assume that attackers cannot modify certain inputs such as headers or cookies.

Authorization weaknesses may arise when a single-user application is ported to a multi-user environment.

Common Consequences

Scope	Effect
Confidentiality	An attacker could read sensitive data, either by reading the data directly from a data store that is not properly restricted, or by accessing insufficiently-protected, privileged functionality to read the data.
Integrity	An attacker could modify sensitive data, either by writing the data directly to a data store that is not properly restricted, or by accessing insufficiently-protected, privileged functionality to write the data.
Integrity	An attacker could gain privileges by modifying or reading critical data directly, or by accessing insufficiently-protected, privileged functionality.

Likelihood of Exploit

High

Detection Methods



Automated Static Analysis

Automated static analysis is useful for detecting commonly-used idioms for authorization. A tool may be able to analyze related configuration files, such as .htaccess in Apache web servers, or detect the usage of commonly-used authorization libraries.

Generally, automated static analysis tools have difficulty detecting custom authorization schemes. In addition, the software's design may include some functionality that is accessible to any user and does not require an authorization check; an automated technique that detects the absence of authorization may report false positives.

Effectiveness: Limited

Automated Dynamic Analysis

Automated dynamic analysis may find many or all possible interfaces that do not require authorization, but manual analysis is required to determine if the lack of authorization violates business logic

Manual Analysis

This weakness can be detected using tools and techniques that require manual (human) analysis, such as penetration testing, threat modeling, and interactive tools that allow the tester to record and modify an active session.

Specifically, manual static analysis is useful for evaluating the correctness of custom authorization mechanisms.

Effectiveness: Moderate

These may be more effective than strictly automated techniques. This is especially the case with weaknesses that are related to design and business rules. However, manual efforts might not achieve desired code coverage within limited time constraints.

Demonstrative Examples

Example 1

The following program could be part of a bulletin board system that allows users to send private messages to each other. This program intends to authenticate the user before deciding whether a private message should be displayed. Assume that LookupMessageObject() ensures that the \$id argument is numeric, constructs a filename based on that id, and reads the message details from that file. Also assume that the program stores all private messages for all users in the same directory.

(Bad Code)

```
Example Language: Perl
```

```
sub DisplayPrivateMessage {
my($id) = @ ;
my $Message = LookupMessageObject($id);
print "From: " . encodeHTML($Message->{from}) . "<br/>print "Subject: " . encodeHTML($Message->{subject}) . "\n";
print "Ar>\n";
print "Body: " . encodeHTML($Message->{body}) . "\n";
}

my $q = new CGI;
# For purposes of this example, assume that CWE-309 and
# CWE-523 do not apply.
if (! AuthenticateUser($q->param('username'), $q->param('password'))) {
ExitError("invalid username or password");
}

my $id = $q->param('id');
DisplayPrivateMessage($id);
```

While the program properly exits if authentication fails, it does not ensure that the message is addressed to the user. As a result, an authenticated attacker could provide any arbitrary identifier and read private messages that were intended for other users.

One way to avoid this problem would be to ensure that the "to" field in the message object matches the username of the authenticated user.

Observed Examples

Reference	Description
CVE-2009-3168	Web application does not restrict access to admin scripts, allowing authenticated users to reset administrative passwords.



CVE-2009-2960	Web application does not restrict access to admin scripts, allowing authenticated users to modify passwords of other users.
CVE-2009-3597	Web application stores database file under the web root with insufficient access control (CWE-219), allowing direct request.
CVE-2009-2282	Terminal server does not check authorization for guest access.
CVE-2009-3230	Database server does not use appropriate privileges for certain sensitive operations.
CVE-2009-2213	Gateway uses default "Allow" configuration for its authorization settings.
CVE-2009-0034	Chain: product does not properly interpret a configuration option for a system group, allowing users to gain privileges.
CVE-2008-6123	Chain: SNMP product does not properly parse a configuration option for which hosts are allowed to connect, allowing unauthorized IP addresses to connect.
CVE-2008-5027	System monitoring software allows users to bypass authorization by creating custom forms.
CVE-2008-7109	Chain: reliance on client-side security (CWE-602) allows attackers to bypass authorization using a custom client.
CVE-2008-3424	Chain: product does not properly handle wildcards in an authorization policy list, allowing unintended access.
CVE-2009-3781	Content management system does not check access permissions for private files, allowing others to view those files.
CVE-2008-4577	ACL-based protection mechanism treats negative access rights as if they are positive, allowing bypass of intended restrictions.
CVE-2008-6548	Product does not check the ACL of a page accessed using an "include" directive, allowing attackers to read unauthorized files.
CVE-2007-2925	Default ACL list for a DNS server does not set certain ACLs, allowing unauthorized DNS queries.
CVE-2006-6679	Product relies on the X-Forwarded-For HTTP header for authorization, allowing unintended access by spoofing the header.
CVE-2005-3623	OS kernel does not check for a certain privilege before setting ACLs for files.
CVE-2005-2801	Chain: file-system code performs an incorrect comparison (CWE-697), preventing defauls ACLs from being properly applied.
CVE-2001-1155	Chain: product does not properly check the result of a reverse DNS lookup because of operator precedence (CWE-783), allowing bypass of DNS-based access restrictions.

Potential Mitigations

Phase: Architecture and Design

Divide your application into anonymous, normal, privileged, and administrative areas. Reduce the attack surface by carefully mapping roles with data and functionality. Use role-based access control (RBAC) to enforce the roles at the appropriate boundaries.

Note that this approach may not protect against horizontal authorization, i.e., it will not protect a user from attacking others with the same role.

Phase: Architecture and Design

Ensure that you perform access control checks related to your business logic. These checks may be different than the access control checks that you apply to more generic resources such as files, connections, processes, memory, and database records. For example, a database may restrict access for medical records to a specific database user, but each record might only be intended to be accessible to the patient and the patient's doctor.

Phase: Architecture and Design

Strategy: Libraries or Frameworks

Use a vetted library or framework that does not allow this weakness to occur or provides constructs that make this weakness



easier to avoid.

For example, consider using authorization frameworks such as the JAAS Authorization Framework and the OWASP ESAPI Access Control feature.

Phase: Architecture and Design

For web applications, make sure that the access control mechanism is enforced correctly at the server side on every page. Users should not be able to access any unauthorized functionality or information by simply requesting direct access to that page.

One way to do this is to ensure that all pages containing sensitive information are not cached, and that all such pages restrict access to requests that are accompanied by an active and authenticated session token associated with a user who has the required permissions to access that page.

Phases: System Configuration; Installation

Use the access control capabilities of your operating system and server environment and define your access control lists accordingly. Use a "default deny" policy when defining these ACLs.

Relationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	254	Security Features	Seven Pernicious Kingdoms (primary)700
ChildOf	Weakness Class	284	Access Control (Authorization) Issues	Development Concepts (primary)699 Research Concepts (primary)1000
ChildOf	Category	721	OWASP Top Ten 2007 Category A10 - Failure to Restrict URL Access	Weaknesses in OWASP Top Ten (2007) (primary)629
ChildOf	Category	723	OWASP Top Ten 2004 Category A2 - Broken Access Control	Weaknesses in OWASP Top Ten (2004) (primary)711
ChildOf	Category	753	2009 Top 25 - Porous Defenses	Weaknesses in the 2009 CWE/SANS Top 25 Most Dangerous Programming Errors (primary)750
ChildOf	Category	803	2010 Top 25 - Porous Defenses	Weaknesses in the 2010 CWE/SANS Top 25 Most Dangerous Programming Errors (primary)800
ParentOf	Weakness Variant	219	Sensitive Data Under Web Root	Research Concepts (primary)1000
ParentOf	Weakness Base	551	Incorrect Behavior Order: Authorization Before Parsing and Canonicalization	Development Concepts (primary)699 Research Concepts1000
ParentOf	Weakness Class	638	Failure to Use Complete Mediation	Research Concepts1000
ParentOf	Weakness Base	804	Guessable CAPTCHA	Development Concepts (primary)699 Research Concepts (primary)1000

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
7 Pernicious Kingdoms			Missing Access Control
OWASP Top Ten 2007	A10	CWE More Specific	Failure to Restrict URL Access
OWASP Top Ten 2004	A2	CWE More Specific	Broken Access Control

Related Attack Patterns

CAPEC-ID	Attack Pattern Name	(CAPEC Version: 1.5)
1	Accessing Functionality Not Properly Constrained by ACLs	
<u>13</u>	Subverting Environment Variable Values	



<u>17</u>	Accessing, Modifying or Executing Executable Files
87	Forceful Browsing
<u>39</u>	Manipulating Opaque Client-based Data Tokens
<u>45</u>	Buffer Overflow via Symbolic Links
<u>51</u>	Poison Web Service Registry
<u>59</u>	Session Credential Falsification through Prediction
<u>60</u>	Reusing Session IDs (aka Session Replay)
77	Manipulating User-Controlled Variables
76	Manipulating Input to File System Calls
104	Cross Zone Scripting

References

NIST. "Role Based Access Control and Role Based Security". < http://csrc.nist.gov/groups/SNS/rbac/.

[REF-11] M. Howard and D. LeBlanc. "Writing Secure Code". Chapter 4, "Authorization" Page 114; Chapter 6, "Determining Appropriate Access Control" Page 171. 2nd Edition. Microsoft. 2002.

Content History

Content History			
Submissions			
Submission Date	Submitter	Organization	Source
	7 Pernicious Kingdoms		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Eric Dalci	Cigital	External
	updated Time of Introduction	on	
2008-08-15		Veracode	External
	Suggested OWASP Top Ten	2004 mapping	
2008-09-08	CWE Content Team	MITRE	Internal
	updated Relationships, Oth		ings
2009-01-12	CWE Content Team	MITRE	Internal
	updated Common Consequ Potential Mitigations, Refere		ood of Exploit, Name, Other Notes,
2009-03-10	CWE Content Team	MITRE	Internal
	updated Potential Mitigation	าร	
2009-05-27	CWE Content Team	MITRE	Internal
	updated Description, Relate		
2009-07-27	CWE Content Team	MITRE	Internal
	updated Relationships		
2009-10-29	CWE Content Team	MITRE	Internal
	updated Type		
2009-12-28	CWE Content Team	MITRE	Internal
	updated Applicable Platforn Detection Factors, Modes o		s, Demonstrative Examples, xamples, Relationships
2010-02-16	CWE Content Team	MITRE	Internal
	updated Alternate Terms, E Relationships	Detection Factors, Potentia	Mitigations, References,
2010-04-05	CWE Content Team	MITRE	Internal
	updated Potential Mitigation	าร	
Previous Entry Name	es		
Change Date	Previous Entry Name		
2009-01-12	Missing or Inconsistent	Access Control	

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Status: Draft

Incorrect Permission Assignment for Critical Resource

Weakness ID: 732 (Weakness Class)

Description

Description Summary

The software specifies permissions for a security-critical resource in a way that allows that resource to be read or modified by unintended actors.

Extended Description

When a resource is given a permissions setting that provides access to a wider range of actors than required, it could lead to the disclosure of sensitive information, or the modification of that resource by unintended parties. This is especially dangerous when the resource is related to program configuration, execution or sensitive user data.

Time of Introduction

- Architecture and Design
- Implementation
- Installation
- Operation

Applicable Platforms

Languages

Language-independent

Modes of Introduction

The developer may set loose permissions in order to minimize problems when the user first runs the program, then create documentation stating that permissions should be tightened. Since system administrators and users do not always read the documentation, this can result in insecure permissions being left unchanged.

The developer might make certain assumptions about the environment in which the software runs - e.g., that the software is running on a single-user system, or the software is only accessible to trusted administrators. When the software is running in a different environment, the permissions become a problem.

Common Consequences

Scope	Effect
Confidentiality	An attacker may be able to read sensitive information from the associated resource, such as credentials or configuration information stored in a file.
Integrity	An attacker may be able to modify critical properties of the associated resource to gain privileges, such as replacing a world-writable executable with a Trojan horse.
Availability	An attacker may be able to destroy or corrupt critical data in the associated resource, such as deletion of records from a database.

Likelihood of Exploit

Medium to High

Detection Methods

Automated Static Analysis

Automated static analysis may be effective in detecting permission problems for system resources such as files, directories, shared memory, device interfaces, etc. Automated techniques may be able to detect the use of library functions that modify permissions, then analyze function calls for arguments that contain potentially insecure values.

However, since the software's intended security policy might allow loose permissions for certain operations (such as publishing a file on a web server), automated static analysis may produce some false positives - i.e., warnings that do not have any security consequences or require any code changes.

When custom permissions models are used - such as defining who can read messages in a particular forum in a bulletin board system - these can be difficult to detect using automated static analysis. It may be possible to define custom signatures that

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identify any custom functions that implement the permission checks and assignments.

Automated Dynamic Analysis

Automated dynamic analysis may be effective in detecting permission problems for system resources such as files, directories, shared memory, device interfaces, etc.

However, since the software's intended security policy might allow loose permissions for certain operations (such as publishing a file on a web server), automated dynamic analysis may produce some false positives - i.e., warnings that do not have any security consequences or require any code changes.

When custom permissions models are used - such as defining who can read messages in a particular forum in a bulletin board system - these can be difficult to detect using automated dynamic analysis. It may be possible to define custom signatures that identify any custom functions that implement the permission checks and assignments.

Manual Static Analysis

Manual static analysis may be effective in detecting the use of custom permissions models and functions. The code could then be examined to identifying usage of the related functions. Then the human analyst could evaluate permission assignments in the context of the intended security model of the software.

Manual Dynamic Analysis

Manual dynamic analysis may be effective in detecting the use of custom permissions models and functions. The program could then be executed with a focus on exercising code paths that are related to the custom permissions. Then the human analyst could evaluate permission assignments in the context of the intended security model of the software.

Fuzzing

Fuzzing is not effective in detecting this weakness.

Demonstrative Examples

Example 1

The following code sets the umask of the process to 0 before creating a file and writing "Hello world" into the file.

```
Example Language: C
```

```
#define OUTFILE "hello.out"
umask(0);
FILE *out;
/* Ignore CWE-59 (link following) for brevity */
out = fopen(OUTFILE, "w");
if (out) {
fprintf(out, "hello world!\n");
fclose(out);
```

After running this program on a UNIX system, running the "Is -I" command might return the following output:

(Result)

-rw-rw-rw- 1 username 13 Nov 24 17:58 hello.out

The "rw-rw-rw-" string indicates that the owner, group, and world (all users) can read the file and write to it.

Example 2

The following code snippet might be used as a monitor to periodically record whether a web site is alive. To ensure that the file can always be modified, the code uses chmod() to make the file world-writable.

```
Example Language: Perl
$fileName = "secretFile.out";
if (-e $fileName) {
chmod 0777, $fileName;
```



```
my $outFH;
if (! open($outFH, ">>$fileName")) {
    ExitError("Couldn't append to $fileName: $!");
}
my $dateString = FormatCurrentTime();
my $status = IsHostAlive("cwe.mitre.org");
print $outFH "$dateString cwe status: $status!\n";
close($outFH);
```

The first time the program runs, it might create a new file that inherits the permissions from its environment. A file listing might look like:

(Result)

```
-rw-r--r-- 1 username 13 Nov 24 17:58 secretFile.out
```

This listing might occur when the user has a default umask of 022, which is a common setting. Depending on the nature of the file, the user might not have intended to make it readable by everyone on the system.

The next time the program runs, however - and all subsequent executions - the chmod will set the file's permissions so that the owner, group, and world (all users) can read the file and write to it:

(Result)

```
-rw-rw-rw- 1 username 13 Nov 24 17:58 secretFile.out
```

Perhaps the programmer tried to do this because a different process uses different permissions that might prevent the file from being updated.

Example 3

The following command recursively sets world-readable permissions for a directory and all of its children:

(Bad Code)

Example Language: Shell chmod -R ugo+r DIRNAME

If this command is run from a program, the person calling the program might not expect that all the files under the directory will be world-readable. If the directory is expected to contain private data, this could become a security problem.

Observed Examples

Observed Examples	
Reference	Description
CVE-2009-3482	Anti-virus product sets insecure "Everyone: Full Control" permissions for files under the "Program Files" folder, allowing attackers to replace executables with Trojan horses.
CVE-2009-3897	Product creates directories with 0777 permissions at installation, allowing users to gain privileges and access a socket used for authentication.
CVE-2009-3489	Photo editor installs a service with an insecure security descriptor, allowing users to stop or start the service, or execute commands as SYSTEM.
CVE-2009-3289	Library function copies a file to a new target and uses the source file's permissions for the target, which is incorrect when the source file is a symbolic link, which typically has 0777 permissions.
CVE-2009-0115	Device driver uses world-writable permissions for a socket file, allowing attackers to inject arbitrary commands.
CVE-2009-1073	LDAP server stores a cleartext password in a world-readable file.
CVE-2009-0141	Terminal emulator creates TTY devices with world-writable permissions, allowing an attacker to write to the terminals of other users.



<u>CVE-2008-0662</u>	VPN product stores user credentials in a registry key with "Everyone: Full Control" permissions, allowing attackers to steal the credentials.
CVE-2008-0322	Driver installs its device interface with "Everyone: Write" permissions.
CVE-2009-3939	Driver installs a file with world-writable permissions.
CVE-2009-3611	Product changes permissions to 0777 before deleting a backup; the permissions stay insecure for subsequent backups.
CVE-2007-6033	Product creates a share with "Everyone: Full Control" permissions, allowing arbitrary program execution.
CVE-2007-5544	Product uses "Everyone: Full Control" permissions for memory-mapped files (shared memory) in inter-process communication, allowing attackers to tamper with a session.
CVE-2005-4868	Database product uses read/write permissions for everyone for its shared memory, allowing theft of credentials.
CVE-2004-1714	Security product uses "Everyone: Full Control" permissions for its configuration files.
CVE-2001-0006	"Everyone: Full Control" permissions assigned to a mutex allows users to disable network connectivity.
CVE-2002-0969	Chain: database product contains buffer overflow that is only reachable through a .ini configuration file - which has "Everyone: Full Control" permissions.

Potential Mitigations

Phase: Implementation

When using a critical resource such as a configuration file, check to see if the resource has insecure permissions (such as being modifiable by any regular user), and generate an error or even exit the software if there is a possibility that the resource could have been modified by an unauthorized party.

Phase: Architecture and Design

Divide your application into anonymous, normal, privileged, and administrative areas. Reduce the attack surface by carefully defining distinct user groups, privileges, and/or roles. Map these against data, functionality, and the related resources. Then set the permissions accordingly. This will allow you to maintain more fine-grained control over your resources.

Phases: Implementation; Installation

During program startup, explicitly set the default permissions or umask to the most restrictive setting possible. Also set the appropriate permissions during program installation. This will prevent you from inheriting insecure permissions from any user who installs or runs the program.

Phase: System Configuration

For all configuration files, executables, and libraries, make sure that they are only readable and writable by the software's administrator.

Phase: Documentation

Do not suggest insecure configuration changes in your documentation, especially if those configurations can extend to resources and other software that are outside the scope of your own software.

Phase: Installation

Do not assume that the system administrator will manually change the configuration to the settings that you recommend in the manual.

Phase: Testing

Use tools and techniques that require manual (human) analysis, such as penetration testing, threat modeling, and interactive tools that allow the tester to record and modify an active session. These may be more effective than strictly automated techniques. This is especially the case with weaknesses that are related to design and business rules.

Phase: Testing

Use monitoring tools that examine the software's process as it interacts with the operating system and the network. This technique is useful in cases when source code is unavailable, if the software was not developed by you, or if you want to verify that the build phase did not introduce any new weaknesses. Examples include debuggers that directly attach to the running process; system-call tracing utilities such as truss (Solaris) and strace (Linux); system activity monitors such as FileMon, RegMon, Process Monitor, and other Sysinternals utilities (Windows); and sniffers and protocol analyzers that monitor network traffic.



Attach the monitor to the process and watch for library functions or system calls on OS resources such as files, directories, and shared memory. Examine the arguments to these calls to infer which permissions are being used.

Note that this technique is only useful for permissions issues related to system resources. It is not likely to detect application-level business rules that are related to permissions, such as if a user of a blog system marks a post as "private," but the blog system inadvertently marks it as "public."

Phases: Testing; System Configuration

Ensure that your software runs properly under the Federal Desktop Core Configuration (FDCC) or an equivalent hardening configuration guide, which many organizations use to limit the attack surface and potential risk of deployed software.

Relationships

Relationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	275	Permission Issues	Development Concepts (primary)699
ChildOf	Weakness Class	668	Exposure of Resource to Wrong Sphere	Research Concepts (primary)1000
ChildOf	Category	753	2009 Top 25 - Porous Defenses	Weaknesses in the 2009 CWE/SANS Top 25 Most Dangerous Programming Errors (primary)750
ChildOf	Category	803	2010 Top 25 - Porous Defenses	Weaknesses in the 2010 CWE/SANS Top 25 Most Dangerous Programming Errors (primary)800
RequiredBy	Compound Element: Composite	689	Permission Race Condition During Resource Copy	Research Concepts1000
ParentOf	Weakness Variant	276	<u>Incorrect Default</u> <u>Permissions</u>	Research Concepts (primary)1000
ParentOf	Weakness Variant	277	Insecure Inherited Permissions	Research Concepts (primary)1000
ParentOf	Weakness Variant	278	<u>Insecure Preserved</u> <u>Inherited Permissions</u>	Research Concepts (primary)1000
ParentOf	Weakness Variant	279	Incorrect Execution- Assigned Permissions	Research Concepts (primary)1000
ParentOf	Weakness Base	281	Improper Preservation of Permissions	Research Concepts (primary)1000

Related Attack Patterns

CAPEC-ID	Attack Pattern Name	(CAPEC Version: 1.5)
232	Exploitation of Privilege/Trust	
1	Accessing Functionality Not Properly Constrained by ACLs	
<u>17</u>	Accessing, Modifying or Executing Executable Files	
<u>60</u>	Reusing Session IDs (aka Session Replay)	
<u>61</u>	Session Fixation	
<u>62</u>	Cross Site Request Forgery (aka Session Riding)	
122	Exploitation of Authorization	
180	Exploiting Incorrectly Configured Access Control Security Levels	
234	Hijacking a privileged process	
D 6		

References

Mark Dowd, John McDonald and Justin Schuh. "The Art of Software Security Assessment". Chapter 9, "File Permissions." Page 495.. 1st Edition. Addison Wesley. 2006.

John Viega and Gary McGraw. "Building Secure Software". Chapter 8, "Access Control." Page 194.. 1st Edition. Addison-Wesley. 2002.



Maintenance Notes

The relationships between privileges, permissions, and actors (e.g. users and groups) need further refinement within the Research view. One complication is that these concepts apply to two different pillars, related to control of resources (CWE-664) and protection mechanism failures (CWE-396).

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Submissions				
Submission Date	Submitter	Organization	Source	
2008-09-08			Internal CWE Team	
	new weakness-focused entry for Research view.			
Modifications				
Modification Date	Modifier	Organization	Source	
2009-01-12	CWE Content Team	MITRE	Internal	
	updated Description, Likelihoo	od of Exploit, Name, Potential	Mitigations, Relationships	
2009-03-10	CWE Content Team	MITRE	Internal	
	updated Potential Mitigations,	Related Attack Patterns		
2009-05-27	CWE Content Team	MITRE	Internal	
	updated Name			
2009-12-28	CWE Content Team	MITRE	Internal	
	updated Applicable Platforms, Common Consequences, Demonstrative Examples, Detection Factors, Modes of Introduction, Observed Examples, Potential Mitigations, References			
2010-02-16	CWE Content Team	MITRE	Internal	
2010 02 10	updated Relationships		1.1.00.110.	
2010-04-05	CWE Content Team	MITRE	Internal	
	updated Potential Mitigations,	updated Potential Mitigations, Related Attack Patterns		
Previous Entry Names				
Change Date	Previous Entry Name			
2009-01-12	Insecure Permission Assignment for Resource			
2009-05-27	Insecure Permission Assignment for Critical Resource			
	-			

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Exposure of System Data to Unauthorized Control Sphere Risk

What might happen

System data can provide attackers with valuable insights on systems and services they are targeting - any type of system data, from service version to operating system fingerprints, can assist attackers to hone their attack, correlate data with known vulnerabilities or focus efforts on developing new attacks against specific technologies.

Cause

How does it happen

System data is read and subsequently exposed where it might be read by untrusted entities.

General Recommendations

How to avoid it

Consider the implications of exposure of the specified input, and expected level of access to the specified output. If not required, consider removing this code, or modifying exposed information to exclude potentially sensitive system data.

Source Code Examples

Java

Leaking Environment Variables in JSP Web-Page

```
String envVarValue = System.getenv(envVar);
if (envVarValue == null) {
    out.println("Environment variable is not defined:");
    out.println(System.getenv());
} else {
    //[...]
};
```



TOCTOU

Risk

What might happen

At best, a Race Condition may cause errors in accuracy, overidden values or unexpected behavior that may result in denial-of-service. At worst, it may allow attackers to retrieve data or bypass security processes by replaying a controllable Race Condition until it plays out in their favor.

Cause

How does it happen

Race Conditions occur when a public, single instance of a resource is used by multiple concurrent logical processes. If the these logical processes attempt to retrieve and update the resource without a timely management system, such as a lock, a Race Condition will occur.

An example for when a Race Condition occurs is a resource that may return a certain value to a process for further editing, and then updated by a second process, resulting in the original process' data no longer being valid. Once the original process edits and updates the incorrect value back into the resource, the second process' update has been overwritten and lost.

General Recommendations

How to avoid it

When sharing resources between concurrent processes across the application ensure that these resources are either thread-safe, or implement a locking mechanism to ensure expected concurrent activity.

Source Code Examples

Java

Different Threads Increment and Decrement The Same Counter Repeatedly, Resulting in a Race Condition

```
public static int counter = 0;
     public static void start() throws InterruptedException {
            incrementCounter ic;
            decrementCounter dc;
            while (counter == 0) {
                  counter = 0;
                   ic = new incrementCounter();
                   dc = new decrementCounter();
                   ic.start();
                   dc.start();
                   ic.join();
                   dc.join();
            System.out.println(counter); //Will stop and return either -1 or 1 due to race
condition over counter
     public static class incrementCounter extends Thread {
         public void run() {
            counter++;
```



```
public static class decrementCounter extends Thread {
    public void run() {
        counter--;
    }
}
```

Different Threads Increment and Decrement The Same Thread-Safe Counter Repeatedly, Never Resulting in a Race Condition

```
public static int counter = 0;
public static Object lock = new Object();
public static void start() throws InterruptedException {
      incrementCounter ic;
      decrementCounter dc;
      while (counter == 0) { // because of proper locking, this condition is never false
             counter = 0;
             ic = new incrementCounter();
             dc = new decrementCounter();
             ic.start();
             dc.start();
             ic.join();
             dc.join();
      System.out.println(counter); // Never reached
public static class incrementCounter extends Thread {
   public void run() {
      synchronized (lock) {
            counter++;
    }
public static class decrementCounter extends Thread {
   public void run() {
      synchronized (lock) {
            counter--;
    }
```



Status: Incomplete

Information Leak Through Comments

Weakness ID: 615 (Weakness Variant)

Description

Description Summary

While adding general comments is very useful, some programmers tend to leave important data, such as: filenames related to the web application, old links or links which were not meant to be browsed by users, old code fragments, etc.

Extended Description

An attacker who finds these comments can map the application's structure and files, expose hidden parts of the site, and study the fragments of code to reverse engineer the application, which may help develop further attacks against the site.

Time of Introduction

Implementation

Demonstrative Examples

Example 1

The following comment, embedded in a JSP, will be displayed in the resulting HTML output.

(Bad Code)

Example Languages: HTML and JSP

<!-- FIXME: calling this with more than 30 args kills the JDBC server -->

Observed Examples

Reference	Description
CVE-2007-6197	Version numbers and internal hostnames leaked in HTML comments.
CVE-2007-4072	CMS places full pathname of server in HTML comment.
CVE-2009-2431	blog software leaks real username in HTML comment.

Potential Mitigations

Remove comments which have sensitive information about the design/implementation of the application. Some of the comments may be exposed to the user and affect the security posture of the application.

Relationships

Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Weakness Variant	540	Information Leak Through Source Code	Development Concepts (primary)699 Research Concepts (primary)1000

Content History

Submissions			
Submission Date	Submitter	Organization	Source
	Anonymous Tool Vendor (under NDA)		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Sean Eidemiller	Cigital	External
	added/updated demonstrativ	e examples	
2008-07-01	Eric Dalci	Cigital	External
	updated Potential Mitigations	, Time of Introduction	
2008-09-08	CWE Content Team	MITRE	Internal
	updated Relationships, Taxor	updated Relationships, Taxonomy Mappings	
2008-10-14	CWE Content Team	MITRE	Internal
	updated Description		
2009-03-10	CWE Content Team	MITRE	Internal

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	updated Demonstrative Examples		
2009-07-27	CWE Content Team MITRE Internal		
	updated Observed Examples, Taxonomy Mappings		

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Use of Insufficiently Random Values

Risk

What might happen

Random values are often used as a mechanism to prevent malicious users from guessing a value, such as a password, encryption key, or session identifier. Depending on what this random value is used for, an attacker would be able to predict the next numbers generated, or previously generated values. This could enable the attacker to hijack another user's session, impersonate another user, or crack an encryption key (depending on what the pseudo-random value was used for).

Cause

How does it happen

The application uses a weak method of generating pseudo-random values, such that other numbers could be determined from a relatively small sample size. Since the pseudo-random number generator used is designed for statistically uniform distribution of values, it is approximately deterministic. Thus, after collecting a few generated values (e.g. by creating a few individual sessions, and collecting the sessionids), it would be possible for an attacker to calculate another sessionid.

Specifically, if this pseudo-random value is used in any security context, such as passwords, keys, or secret identifiers, an attacker would be able to predict the next numbers generated, or previously generated values.

General Recommendations

How to avoid it

Generic Guidance:

- Whenever unpredicatable numbers are required in a security context, use a cryptographically strong random number generator, instead of a statistical pseudo-random generator.
- Use the cryptorandom generator that is built-in to your language or platform, and ensure it is securely seeded. Do not seed the generator with a weak, non-random seed. (In most cases, the default is securely random).
- o Ensure you use a long enough random value, to make brute-force attacks unfeasible.

Specific Recommendations:

o Do not use the statistical pseudo-random number generator, use the cryptorandom generator instead. In Java, this is the SecureRandom class.

Source Code Examples

Java

Use of a weak pseudo-random number generator

```
Random random = new Random();
long sessNum = random.nextLong();
String sessionId = sessNum.toString();
```



Cryptographically secure random number generator

```
SecureRandom random = new SecureRandom();
byte sessBytes[] = new byte[32];
random.nextBytes(sessBytes);
String sessionId = new String(sessBytes);
```

Objc

Use of a weak pseudo-random number generator

```
long sessNum = rand();
NSString* sessionId = [NSString stringWithFormat:@"%ld", sessNum];
```

Cryptographically secure random number generator

```
UInt32 sessBytes;
SecRandomCopyBytes(kSecRandomDefault, sizeof(sessBytes), (uint8_t*)&sessBytes);
NSString* sessionId = [NSString stringWithFormat:@"%llu", sessBytes];
```

Swift

Use of a weak pseudo-random number generator

```
let sessNum = rand();
let sessionId = String(format:"%ld", sessNum)
```

Cryptographically secure random number generator

```
var sessBytes: UInt32 = 0
withUnsafeMutablePointer(&sessBytes, { (sessBytesPointer) -> Void in
    let castedPointer = unsafeBitCast(sessBytesPointer, UnsafeMutablePointer<UInt8>.self)
    SecRandomCopyBytes(kSecRandomDefault, sizeof(UInt32), castedPointer)
})
let sessionId = String(format:"%llu", sessBytes)
```



Unchecked Return Value

Risk

What might happen

A program that does not check function return values could cause the application to enter an undefined state. This could lead to unexpected behavior and unintended consequences, including inconsistent data, system crashes or other error-based exploits.

Cause

How does it happen

The application calls a system function, but does not receive or check the result of this function. These functions often return error codes in the result, or share other status codes with it's caller. The application simply ignores this result value, losing this vital information.

General Recommendations

How to avoid it

- Always check the result of any called function that returns a value, and verify the result is an expected value.
- Ensure the calling function responds to all possible return values.
- Expect runtime errors and handle them gracefully. Explicitly define a mechanism for handling unexpected errors.

Source Code Examples

CPP

Unchecked Memory Allocation

```
buff = (char*) malloc(size);
strncpy(buff, source, size);
```

Safer Memory Allocation

```
buff = (char*) malloc(size+1);
if (buff==NULL) exit(1);

strncpy(buff, source, size);
buff[size] = '\0';
```



Status: Draft

Use of sizeof() on a Pointer Type

Weakness ID: 467 (Weakness Variant)

Description

Description Summary

The code calls sizeof() on a malloced pointer type, which always returns the wordsize/8. This can produce an unexpected result if the programmer intended to determine how much memory has been allocated.

Time of Introduction

Implementation

Applicable Platforms

Languages

C

C++

Common Consequences

Scope	Effect
Integrity	This error can often cause one to allocate a buffer that is much smaller than what is needed, leading to resultant weaknesses such as buffer overflows.

Likelihood of Exploit

High

Demonstrative Examples

Example 1

Care should be taken to ensure size of returns the size of the data structure itself, and not the size of the pointer to the data structure.

In this example, sizeof(foo) returns the size of the pointer.

(Bad Code)

```
Example Languages: C and C++ double *foo;
```

···

foo = (double *)malloc(sizeof(foo));

In this example, sizeof(*foo) returns the size of the data structure and not the size of the pointer.

(Good Code)

Example Languages: C and C++

double *foo;

foo = (double *)malloc(sizeof(*foo));

Example 2

This example defines a fixed username and password. The AuthenticateUser() function is intended to accept a username and a password from an untrusted user, and check to ensure that it matches the username and password. If the username and password match, AuthenticateUser() is intended to indicate that authentication succeeded.

(Bad Code)

```
/* Ignore CWE-259 (hard-coded password) and CWE-309 (use of password system for authentication) for this example. */
char *username = "admin";
char *pass = "password";
int AuthenticateUser(char *inUser, char *inPass) {
```



```
printf("Sizeof username = %d\n", sizeof(username));
printf("Sizeof pass = %d\n", sizeof(pass));
if (strncmp(username, inUser, sizeof(username))) {
printf("Auth failure of username using sizeof\n");
return(AUTH_FAIL);
/* Because of CWE-467, the sizeof returns 4 on many platforms and architectures. */
if (! strncmp(pass, inPass, sizeof(pass))) {
printf("Auth success of password using sizeof\n");
return(AUTH SUCCESS);
else {
printf("Auth fail of password using sizeof\n");
return(AUTH FAIL);
int main (int argc, char **argv)
int authResult;
if (argc < 3) {
ExitError("Usage: Provide a username and password");
authResult = AuthenticateUser(argv[1], argv[2]);
if (authResult != AUTH SUCCESS) {
ExitError("Authentication failed");
DoAuthenticatedTask(argv[1]);
```

In AuthenticateUser(), because sizeof() is applied to a parameter with an array type, the sizeof() call might return 4 on many modern architectures. As a result, the strncmp() call only checks the first four characters of the input password, resulting in a partial comparison (CWE-187), leading to improper authentication (CWE-287).

Because of the partial comparison, any of these passwords would still cause authentication to succeed for the "admin" user:

(Attack

pass5 passABCDEFGH passWORD

Because only 4 characters are checked, this significantly reduces the search space for an attacker, making brute force attacks more feasible.

The same problem also applies to the username, so values such as "adminXYZ" and "administrator" will succeed for the username.

Potential Mitigations

Phase: Implementation

Use expressions such as "sizeof(*pointer)" instead of "sizeof(pointer)", unless you intend to run sizeof() on a pointer type to gain some platform independence or if you are allocating a variable on the stack.

Other Notes

The use of sizeof() on a pointer can sometimes generate useful information. An obvious case is to find out the wordsize on a platform. More often than not, the appearance of sizeof(pointer) indicates a bug.

Weakness Ordinalities

Ordinality	Description
Primary	(where the weakness exists independent of other weaknesses)



Relationships

Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Category	465	<u>Pointer Issues</u>	Development Concepts (primary)699
ChildOf	Weakness Class	682	Incorrect Calculation	Research Concepts (primary)1000
ChildOf	Category	737	CERT C Secure Coding Section 03 - Expressions (EXP)	Weaknesses Addressed by the CERT C Secure Coding Standard (primary)734
ChildOf	Category	740	CERT C Secure Coding Section 06 - Arrays (ARR)	Weaknesses Addressed by the CERT C Secure Coding Standard734
CanPrecede	Weakness Base	131	Incorrect Calculation of Buffer Size	Research Concepts1000

Taxonomy Mappings

v 11 0			
Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
CLASP			Use of sizeof() on a pointer type
CERT C Secure Coding	ARR01-C		Do not apply the sizeof operator to a pointer when taking the size of an array
CERT C Secure Coding	EXP01-C		Do not take the size of a pointer to determine the size of the pointed-to type

White Box Definitions

A weakness where code path has:

- 1. end statement that passes an identity of a dynamically allocated memory resource to a sizeof operator
- $\ensuremath{\mathsf{2}}.$ start statement that allocates the dynamically allocated memory resource

References

Robert Seacord. "EXP01-A. Do not take the size of a pointer to determine the size of a type".

https://www.securecoding.cert.org/confluence/display/seccode/EXP01-

 $\underline{A.+Do+not+take+the+sizeof+a+pointer+to+determine+the+size+of+a+type}{>}.$

Content History

Content History			
Submissions			
Submission Date	Submitter	Organization	Source
	CLASP		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Eric Dalci	Cigital	External
	updated Time of Introductio	n	
2008-08-01		KDM Analytics	External
	added/updated white box de	efinitions	
2008-09-08	CWE Content Team	MITRE	Internal
	updated Applicable Platform Taxonomy Mappings, Weakr	s, Common Consequences, Rel less Ordinalities	ationships, Other Notes,
2008-11-24	CWE Content Team	MITRE	Internal
	updated Relationships, Taxo	nomy Mappings	
2009-03-10	CWE Content Team	MITRE	Internal
	updated Demonstrative Example Example 1	mples	
2009-12-28	CWE Content Team	MITRE	Internal
	updated Demonstrative Example Example 1	mples	
2010-02-16	CWE Content Team	MITRE	Internal
	updated Relationships		

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NULL Pointer Dereference

Risk

What might happen

A null pointer dereference is likely to cause a run-time exception, a crash, or other unexpected behavior.

Cause

How does it happen

Variables which are declared without being assigned will implicitly retain a null value until they are assigned. The null value can also be explicitly set to a variable, to ensure clear out its contents. Since null is not really a value, it may not have object variables and methods, and any attempt to access contents of a null object, instead of verifying it is set beforehand, will result in a null pointer dereference exception.

General Recommendations

How to avoid it

- For any variable that is created, ensure all logic flows between declaration and use assign a non-null value to the variable first.
- Enforce null checks on any received variable or object before it is dereferenced, to ensure it does not contain a null assigned to it elsewhere.
- Consider the need to assign null values in order to overwrite initialized variables. Consider reassigning or releasing these variables instead.

Source Code Examples

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Use of Obsolete Functions

Risk

What might happen

Referencing deprecated modules can cause an application to be exposed to known vulnerabilities, that have been publicly reported and already fixed. A common attack technique is to scan applications for these known vulnerabilities, and then exploit the application through these deprecated versions.

Note that the actual risk involved depends on the specifics of any known vulnerabilities in older versions.

Cause

How does it happen

The application references code elements that have been declared as deprecated. This could include classes, functions, methods, properties, modules, or obsolete library versions that are either out of date by version, or have been entirely deprecated. It is likely that the code that references the obsolete element was developed before it was declared as obsolete, and in the meantime the referenced code was updated.

General Recommendations

How to avoid it

- Always prefer to use the most updated versions of libraries, packages, and other dependancies.
- Do not use or reference any class, method, function, property, or other element that has been declared deprecated.

Source Code Examples

Java

Using Deprecated Methods for Security Checks

```
private void checkPermissions(InetAddress address) {
    SecurityManager secManager = System.getSecurityManager();
    if (secManager != null) {
        secManager.checkMulticast(address, 0)
    }
}
```

A Replacement Security Check

```
private void checkPermissions(InetAddress address) {
    SecurityManager secManager = System.getSecurityManager();
    if (secManager != null) {
        SocketPermission permission = new SocketPermission(address.getHostAddress(),
        "accept, connect");
        secManager.checkPermission(permission)
    }
}
```



}		



Status: Draft

Improper Validation of Array Index

Weakness ID: 129 (Weakness Base)

Description

Description Summary

The product uses untrusted input when calculating or using an array index, but the product does not validate or incorrectly validates the index to ensure the index references a valid position within the array.

Alternate Terms

out-of-bounds array index

index-out-of-range

array index underflow

Time of Introduction

Implementation

Applicable Platforms

Languages

C: (Often)

C++: (Often)

Language-independent

Common Consequences

Common Consequences	
Scope	Effect
Integrity Availability	Unchecked array indexing will very likely result in the corruption of relevant memory and perhaps instructions, leading to a crash, if the values are outside of the valid memory area.
Integrity	If the memory corrupted is data, rather than instructions, the system will continue to function with improper values.
Confidentiality Integrity	Unchecked array indexing can also trigger out-of-bounds read or write operations, or operations on the wrong objects; i.e., "buffer overflows" are not always the result. This may result in the exposure or modification of sensitive data.
Integrity	If the memory accessible by the attacker can be effectively controlled, it may be possible to execute arbitrary code, as with a standard buffer overflow and possibly without the use of large inputs if a precise index can be controlled.
Integrity Availability Confidentiality	A single fault could allow either an overflow (CWE-788) or underflow (CWE-786) of the array index. What happens next will depend on the type of operation being performed out of bounds, but can expose sensitive information, cause a system crash, or possibly lead to arbitrary code execution.

Likelihood of Exploit

High

Detection Methods

Automated Static Analysis

This weakness can often be detected using automated static analysis tools. Many modern tools use data flow analysis or constraint-based techniques to minimize the number of false positives.

Automated static analysis generally does not account for environmental considerations when reporting out-of-bounds memory operations. This can make it difficult for users to determine which warnings should be investigated first. For example, an analysis tool might report array index errors that originate from command line arguments in a program that is not expected to run with setuid or other special privileges.

Effectiveness: High

This is not a perfect solution, since 100% accuracy and coverage are not feasible.



Automated Dynamic Analysis

This weakness can be detected using dynamic tools and techniques that interact with the software using large test suites with many diverse inputs, such as fuzz testing (fuzzing), robustness testing, and fault injection. The software's operation may slow down, but it should not become unstable, crash, or generate incorrect results.

Black Box

Black box methods might not get the needed code coverage within limited time constraints, and a dynamic test might not produce any noticeable side effects even if it is successful.

Demonstrative Examples

Example 1

The following C/C++ example retrieves the sizes of messages for a pop3 mail server. The message sizes are retrieved from a socket that returns in a buffer the message number and the message size, the message number (num) and size (size) are extracted from the buffer and the message size is placed into an array using the message number for the array index.

```
(Bad Code)

Example Language: C

/* capture the sizes of all messages */
int getsizes(int sock, int count, int *sizes) {
...
char buf[BUFFER_SIZE];
int ok;
int num, size;

// read values from socket and added to sizes array
while ((ok = gen_recv(sock, buf, sizeof(buf))) == 0)
{

// continue read from socket until buf only contains '.'
if (DOTLINE(buf))
break;
else if (sscanf(buf, "%d %d", &num, &size) == 2)
sizes[num - 1] = size;
}
...
```

In this example the message number retrieved from the buffer could be a value that is outside the allowable range of indices for the array and could possibly be a negative number. Without proper validation of the value to be used for the array index an array overflow could occur and could potentially lead to unauthorized access to memory addresses and system crashes. The value of the array index should be validated to ensure that it is within the allowable range of indices for the array as in the following code.

```
(Good Code)

Example Language: C

/* capture the sizes of all messages */
int getsizes(int sock, int count, int *sizes) {
...
char buf[BUFFER_SIZE];
int ok;
int num, size;

// read values from socket and added to sizes array
while ((ok = gen_recv(sock, buf, sizeof(buf))) == 0)
{

// continue read from socket until buf only contains '.'
if (DOTLINE(buf))
break;
else if (sscanf(buf, "%d %d", &num, &size) == 2) {
```



```
if (num > 0 && num <= (unsigned)count)
sizes[num - 1] = size;
else
/* warn about possible attempt to induce buffer overflow */
report(stderr, "Warning: ignoring bogus data for message sizes returned by server.\n");
}
}
...
}
```

Example 2

In the code snippet below, an unchecked integer value is used to reference an object in an array.

```
(Bad Code)

Example Language: Java

public String getValue(int index) {

return array[index];
}
```

If index is outside of the range of the array, this may result in an ArrayIndexOutOfBounds Exception being raised.

Example 3

In the following Java example the method displayProductSummary is called from a Web service servlet to retrieve product summary information for display to the user. The servlet obtains the integer value of the product number from the user and passes it to the displayProductSummary method. The displayProductSummary method passes the integer value of the product number to the getProductSummary method which obtains the product summary from the array object containing the project summaries using the integer value of the product number as the array index.

```
(Bad Code)
Example Language: Java

// Method called from servlet to obtain product information
public String displayProductSummary(int index) {

String productSummary = new String("");

try {
    String productSummary = getProductSummary(index);
} catch (Exception ex) {...}

return productSummary;
}

public String getProductSummary(int index) {
    return products[index];
}
```

In this example the integer value used as the array index that is provided by the user may be outside the allowable range of indices for the array which may provide unexpected results or may comes the application to fail. The integer value used for the array index should be validated to ensure that it is within the allowable range of indices for the array as in the following code.

```
(Good Code)

Example Language: Java

// Method called from servlet to obtain product information
public String displayProductSummary(int index) {

String productSummary = new String("");

try {

String productSummary = getProductSummary(index);
```



```
catch (Exception ex) {...}
return productSummary;
public String getProductSummary(int index) {
String productSummary = "";
if ((index \ge 0) \&\& (index < MAX PRODUCTS)) {
productSummary = products[index];
else {
System.err.println("index is out of bounds");
throw new IndexOutOfBoundsException();
return productSummary;
```

An alternative in Java would be to use one of the collection objects such as ArrayList that will automatically generate an exception if an attempt is made to access an array index that is out of bounds.

```
Example Language: Java
```

```
ArrayList productArray = new ArrayList(MAX PRODUCTS);
try {
productSummary = (String) productArray.get(index);
} catch (IndexOutOfBoundsException ex) {...}
```

Observed Examples

Reference	Description
CVE-2005-0369	large ID in packet used as array index
CVE-2001-1009	negative array index as argument to POP LIST command
CVE-2003-0721	Integer signedness error leads to negative array index
CVE-2004-1189	product does not properly track a count and a maximum number, which can lead to resultant array index overflow.
CVE-2007-5756	chain: device driver for packet-capturing software allows access to an unintended IOCTL with resultant array index error.

Potential Mitigations

Phase: Architecture and Design

Strategies: Input Validation; Libraries or Frameworks

Use an input validation framework such as Struts or the OWASP ESAPI Validation API. If you use Struts, be mindful of weaknesses covered by the CWE-101 category.

Phase: Architecture and Design

For any security checks that are performed on the client side, ensure that these checks are duplicated on the server side, in order to avoid CWE-602. Attackers can bypass the client-side checks by modifying values after the checks have been performed, or by changing the client to remove the client-side checks entirely. Then, these modified values would be submitted to the server.

Even though client-side checks provide minimal benefits with respect to server-side security, they are still useful. First, they can support intrusion detection. If the server receives input that should have been rejected by the client, then it may be an indication of an attack. Second, client-side error-checking can provide helpful feedback to the user about the expectations for valid input. Third, there may be a reduction in server-side processing time for accidental input errors, although this is typically a small savinas.

Phase: Requirements

Strategy: Language Selection

Use a language with features that can automatically mitigate or eliminate out-of-bounds indexing errors.

For example, Ada allows the programmer to constrain the values of a variable and languages such as Java and Ruby will allow the programmer to handle exceptions when an out-of-bounds index is accessed.



Phase: Implementation

Strategy: Input Validation

Assume all input is malicious. Use an "accept known good" input validation strategy (i.e., use a whitelist). Reject any input that does not strictly conform to specifications, or transform it into something that does. Use a blacklist to reject any unexpected inputs and detect potential attacks.

When accessing a user-controlled array index, use a stringent range of values that are within the target array. Make sure that you do not allow negative values to be used. That is, verify the minimum as well as the maximum of the range of acceptable values.

Phase: Implementation

Be especially careful to validate your input when you invoke code that crosses language boundaries, such as from an interpreted language to native code. This could create an unexpected interaction between the language boundaries. Ensure that you are not violating any of the expectations of the language with which you are interfacing. For example, even though Java may not be susceptible to buffer overflows, providing a large argument in a call to native code might trigger an overflow.

Weakness Ordinalities

Ordinality	Description
Resultant	The most common condition situation leading to unchecked array indexing is the use of loop index variables as buffer indexes. If the end condition for the loop is subject to a flaw, the index can grow or shrink unbounded, therefore causing a buffer overflow or underflow. Another common situation leading to this condition is the use of a function's return value, or the resulting value of a calculation directly as an index in to a buffer.

Relationships

Kelationships				
Nature	Туре	ID	Name	View(s) this relationship pertains to
ChildOf	Weakness Class	20	Improper Input Validation	Development Concepts (primary)699 Research Concepts (primary)1000
ChildOf	Category	189	Numeric Errors	Development Concepts699
ChildOf	Category	633	Weaknesses that Affect Memory	Resource-specific Weaknesses (primary)631
ChildOf	Category	738	CERT C Secure Coding Section 04 - Integers (INT)	Weaknesses Addressed by the CERT C Secure Coding Standard (primary)734
ChildOf	Category	740	CERT C Secure Coding Section 06 - Arrays (ARR)	Weaknesses Addressed by the CERT C Secure Coding Standard734
ChildOf	Category	802	2010 Top 25 - Risky Resource Management	Weaknesses in the 2010 CWE/SANS Top 25 Most Dangerous Programming Errors (primary)800
CanPrecede	Weakness Class	119	Failure to Constrain Operations within the Bounds of a Memory Buffer	Research Concepts1000
CanPrecede	Weakness Variant	789	<u>Uncontrolled Memory</u> <u>Allocation</u>	Research Concepts1000
PeerOf	Weakness Base	124	<u>Buffer Underwrite</u> ('Buffer Underflow')	Research Concepts1000

Theoretical Notes

An improperly validated array index might lead directly to the always-incorrect behavior of "access of array using out-of-bounds index."

Affected Resources

Memory

f Causal Nature



Explicit

Taxonomy Mappings

Mapped Taxonomy Name	Node ID	Fit	Mapped Node Name
CLASP			Unchecked array indexing
PLOVER			INDEX - Array index overflow
CERT C Secure Coding	ARR00-C		Understand how arrays work
CERT C Secure Coding	ARR30-C		Guarantee that array indices are within the valid range
CERT C Secure Coding	ARR38-C		Do not add or subtract an integer to a pointer if the resulting value does not refer to a valid array element
CERT C Secure Coding	INT32-C		Ensure that operations on signed integers do not result in overflow

Related Attack Patterns

CAPEC-ID	Attack Pattern Name	(CAPEC Version: 1.5)
100	Overflow Buffers	

References

[REF-11] M. Howard and D. LeBlanc. "Writing Secure Code". Chapter 5, "Array Indexing Errors" Page 144. 2nd Edition. Microsoft. 2002.

Content History

Content Instory			
Submissions			
Submission Date	Submitter	Organization	Source
	CLASP		Externally Mined
Modifications			
Modification Date	Modifier	Organization	Source
2008-07-01	Sean Eidemiller	Cigital	External
	added/updated demonstrative examples		
2008-09-08	CWE Content Team	MITRE	Internal
	updated Alternate Terms, Applicable Platforms, Common Consequences, Relationships, Other Notes, Taxonomy Mappings, Weakness Ordinalities		
2008-11-24	CWE Content Team	MITRE	Internal
	updated Relationships, Taxonomy Mappings		
2009-01-12	CWE Content Team	MITRE	Internal
	updated Common Conseque	ences	
2009-10-29	CWE Content Team	MITRE	Internal
	updated Description, Name	, Relationships	
2009-12-28	CWE Content Team	MITRE	Internal
	updated Applicable Platform Notes, Potential Mitigations		s, Observed Examples, Other ness Ordinalities
2010-02-16	CWE Content Team	MITRE	Internal
	updated Applicable Platform Exploit, Potential Mitigation		es, Detection Factors, Likelihood of ack Patterns, Relationships
2010-04-05	CWE Content Team	MITRE	Internal
	updated Related Attack Pat	terns	
Previous Entry Name	es		
Change Date	Previous Entry Name		
2009-10-29	Unchecked Array Indexi	ng	

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Scanned Languages

Language	Hash Number	Change Date
CPP	4541647240435660	6/19/2024
Common	0105849645654507	6/19/2024