vul_files_16 Scan Report

Project Name	vul_files_16
Scan Start	Monday, January 6, 2025 11:05:19 PM
Preset	Checkmarx Default
Scan Time	01h:16m:03s
Lines Of Code Scanned	295110
Files Scanned	90
Report Creation Time	Tuesday, January 7, 2025 10:15:56 AM
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18
Team	CxServer
Checkmarx Version	8.7.0
Scan Type	Full
Source Origin	LocalPath
Density	5/1000 (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 2016	All

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 2016	None

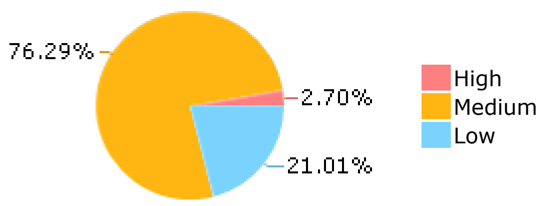
Results Limit

Results limit per query was set to 50

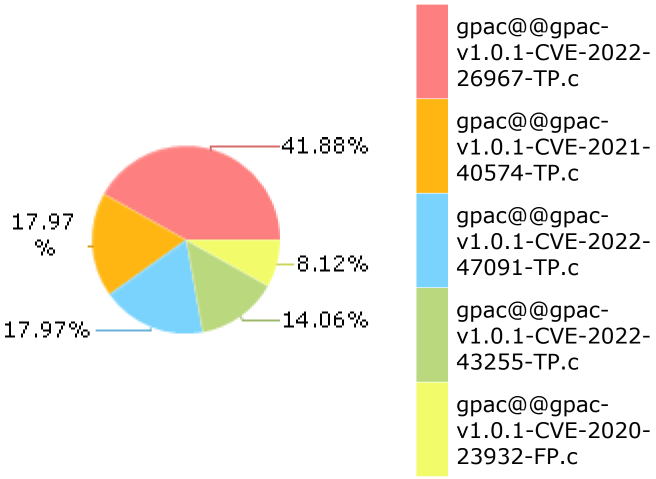
Selected Queries

Selected queries are listed in Result Summary

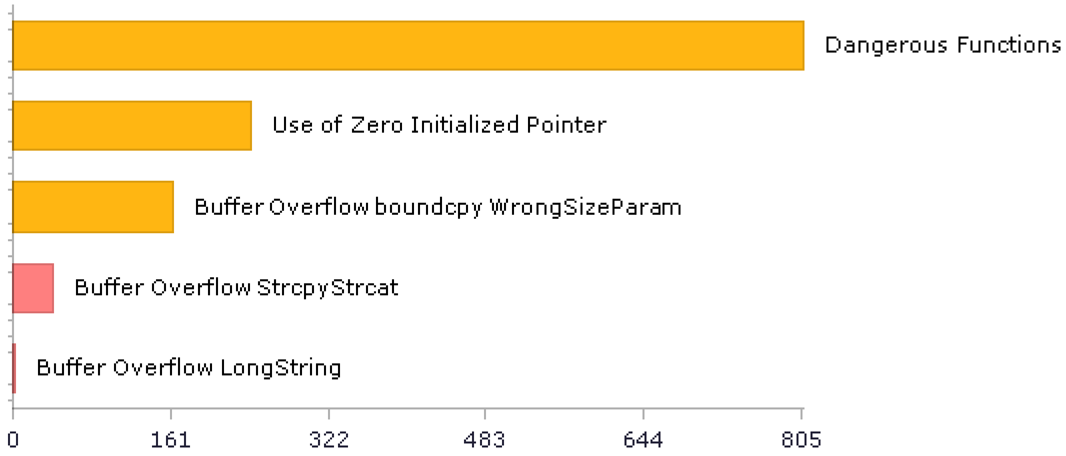
Result Summary



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	301	255
A2-Broken Authentication	App. Specific	EASY	COMMON	AVERAGE	SEVERE	App. Specific	90	90
A3-Sensitive Data Exposure	App. Specific	AVERAGE	WIDESPREAD	AVERAGE	SEVERE	App. Specific	0	0
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	0	0
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	0	0
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	807	807
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	0	0
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	0	0
A4-Insecure Direct Object References	SYSTEM USERS	EASY	COMMON	EASY	MODERATE	EXPOSED DATA	0	0
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	0	0
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	807	807
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	2	2
PCI DSS (3.2) - 6.5.2 - Buffer overflows	206	176
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)	0	0
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.	0	0
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.	0	0
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.	0	0
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.	90	90
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.	0	0
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.	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 - NIST SP 800-53

Category	Issues Found	Best Fix Locations
AC-12 Session Termination (P2)	0	0
AC-3 Access Enforcement (P1)	90	90
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)	0	0
SC-17 Public Key Infrastructure Certificates (P1)	0	0
SC-18 Mobile Code (P2)	0	0
SC-23 Session Authenticity (P1)*	0	0
SC-28 Protection of Information at Rest (P1)	0	0
SC-4 Information in Shared Resources (P1)	0	0
SC-5 Denial of Service Protection (P1)*	284	83
SC-8 Transmission Confidentiality and Integrity (P1)	0	0
SI-10 Information Input Validation (P1)*	137	107
SI-11 Error Handling (P2)*	107	107
SI-15 Information Output Filtering (P0)	0	0
SI-16 Memory Protection (P1)	2	2

* 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 code-level 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

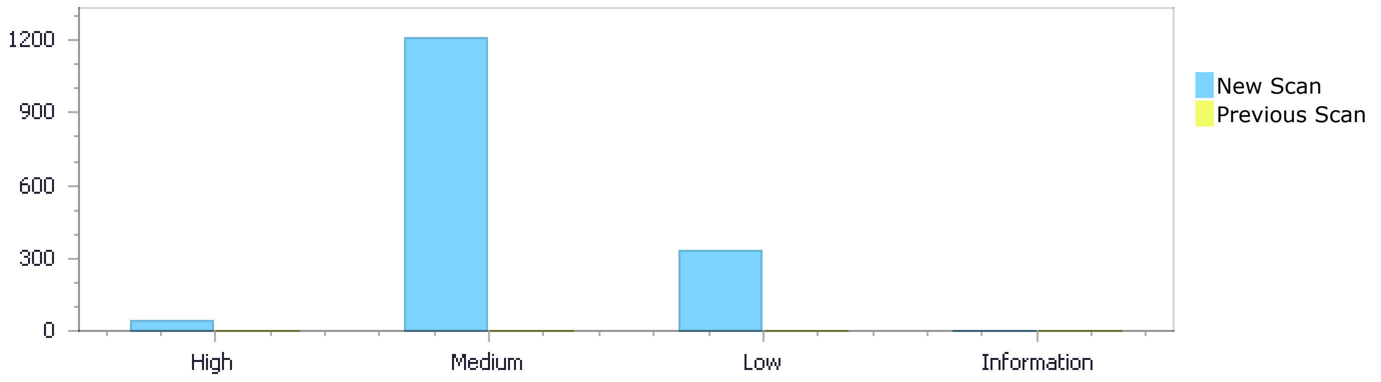
Category	Issues Found	Best Fix Locations
Must audit	0	0
Check	0	0
Optional	0	0

Results Distribution By Status

First scan of the project

	High	Medium	Low	Information	Total
New Issues	43	1,213	334	0	1,590
Recurrent Issues	0	0	0	0	0
Total	43	1,213	334	0	1,590

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	43	1,213	334	0	1,590
Urgent	0	0	0	0	0
Proposed Not Exploitable	0	0	0	0	0
Total	43	1,213	334	0	1,590

Result Summary

Vulnerability Type	Occurrences	Severity
Buffer Overflow StrcpyStrcat	41	High
Buffer Overflow LongString	2	High
Dangerous Functions	807	Medium
Use of Zero Initialized Pointer	243	Medium
Buffer Overflow boundcpy WrongSizeParam	163	Medium

Unchecked Return Value	107	Low
Improper Resource Access Authorization	90	Low
Potential Precision Problem	52	Low
Unchecked Array Index	42	Low
NULL Pointer Dereference	41	Low
Potential Off by One Error in Loops	2	Low

10 Most Vulnerable Files

High and Medium Vulnerabilities

File Name	Issues Found
gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	172
gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	114
gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	114
gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	84
gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	52
gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	52
gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	52
gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	52
gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	52
gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c	37

Scan Results Details

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=3
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3550
Object	mpd_src	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void revert_cache_file(char *item_path)

```
....
3550.         strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 2:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=4
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3550
Object	output_dir	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Method static void revert_cache_file(char *item_path)

```
....
3550.        strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 3:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=5
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3537	3550
Object	item_path	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void revert_cache_file(char *item_path)

```
....
3537.   static void revert_cache_file(char *item_path)
....
3550.         strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 4:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=6
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3551
Object	mpd_src	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Method static void revert_cache_file(char *item_path)

```
....
3551.         strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 5:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=7
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3551
Object	output_dir	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Method static void revert_cache_file(char *item_path)

```
....
3551.        strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 6:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=8
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3537	3551
Object	item_path	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void revert_cache_file(char *item_path)

```
....
3537.   static void revert_cache_file(char *item_path)
....
3551.        strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 7:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=9
Status	New

The size of the buffer used by rip_mpd in sess, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3634
Object	mpd_src	sess

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 8:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=10
Status	New

The size of the buffer used by rip_mpd in gf_dm_sess_get_cache_name, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3634
Object	mpd_src	gf_dm_sess_get_cache_name

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 9:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=11
Status	New

The size of the buffer used by rip_mpd in output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3609
Object	output_dir	output_dir

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3609.             strcpy(szName, output_dir);
```

Buffer Overflow StrcpyStrcat\Path 10:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=12
Status	New

The size of the buffer used by rip_mpd in szName, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3594	3634
Object	output_dir	szName

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 11:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=13
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3550
Object	mpd_src	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method static void revert_cache_file(char *item_path)

```
....
3550.       strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 12:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=14
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3550
Object	output_dir	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method static void revert_cache_file(char *item_path)

```
....
3550.        strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 13:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=15
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3537	3550
Object	item_path	item_path

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method static void revert_cache_file(char *item_path)

```
....
3537.  static void revert_cache_file(char *item_path)
....
3550.       strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 14:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=16
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3551
Object	mpd_src	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method static void revert_cache_file(char *item_path)

```
....
3551.       strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 15:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=17
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3551
Object	output_dir	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

▼

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method static void revert_cache_file(char *item_path)

```
....
3551.         strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 16:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=18
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3537	3551
Object	item_path	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method static void revert_cache_file(char *item_path)

```
....
3537.   static void revert_cache_file(char *item_path)
....
3551.         strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 17:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=19
Status	New

The size of the buffer used by rip_mpd in sess, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3634
Object	mpd_src	sess

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 18:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=20
Status	New

The size of the buffer used by rip_mpd in gf_dm_sess_get_cache_name, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3634
Object	mpd_src	gf_dm_sess_get_cache_name

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 19:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=21
Status	New

The size of the buffer used by rip_mpd in output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3609
Object	output_dir	output_dir

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3609.            strcpy(szName, output_dir);
```

Buffer Overflow StrcpyStrcat\Path 20:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=22
Status	New

The size of the buffer used by rip_mpd in szName, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3594	3634
Object	output_dir	szName

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.      strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 21:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=23
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3550
Object	mpd_src	item_path

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c

Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c

Method static void revert_cache_file(char *item_path)

```
....
3550.      strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 22:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=24
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3550
Object	output_dir	item_path

Code Snippet
File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c

Method	static void revert_cache_file(char *item_path)

```
....
3550.       strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 23:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=25
Status	New

The size of the buffer used by revert_cache_file in item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3537	3550
Object	item_path	item_path

Code Snippet
File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	static void revert_cache_file(char *item_path)

```
....
3537.  static void revert_cache_file(char *item_path)
....
3550.        strcpy(szPATH, item_path);
```

Buffer Overflow StrcpyStrcat\Path 24:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=26
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3551
Object	mpd_src	szPATH

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	static void revert_cache_file(char *item_path)

```
....
3551.        strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 25:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=27
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3551
Object	output_dir	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.   GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
```

▼

File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c

Method static void revert_cache_file(char *item_path)

```
....
3551.        strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 26:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=28
Status	New

The size of the buffer used by revert_cache_file in szPATH, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that revert_cache_file passes to item_path, at line 3537 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3537	3551
Object	item_path	szPATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method static void revert_cache_file(char *item_path)

```
....
3537.   static void revert_cache_file(char *item_path)
....
3551.        strcat(szPATH, ".txt");
```

Buffer Overflow StrcpyStrcat\Path 27:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=29
Status	New

The size of the buffer used by rip_mpd in sess, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3634
Object	mpd_src	sess

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.         strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 28:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=30
Status	New

The size of the buffer used by rip_mpd in gf_dm_sess_get_cache_name, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to mpd_src, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3634
Object	mpd_src	gf_dm_sess_get_cache_name

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 29:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=31
Status	New

The size of the buffer used by rip_mpd in output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3609
Object	output_dir	output_dir

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3609.              strcpy(szName, output_dir);
```

Buffer Overflow StrcpyStrcat\Path 30:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=32
Status	New

The size of the buffer used by rip_mpd in szName, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that rip_mpd passes to output_dir, at line 3594 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3594	3634
Object	output_dir	szName

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3594.  GF_Err rip_mpd(const char *mpd_src, const char *output_dir)
....
3634.       strcpy(szName, gf_dm_sess_get_cache_name(sess) );
```

Buffer Overflow StrcpyStrcat\Path 31:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=33
Status	New

The size of the buffer used by gf_dump_to_vobsub in szName, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_dump_to_vobsub passes to szName, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	226	246
Object	szName	szName

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char *szName, u32 track, char *dsi, u32 dsiSize)

```
....
226.  static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char
*szName, u32 track, char *dsi, u32 dsiSize)
....
246.              strcpy(szPath, szName);
```

Buffer Overflow StrcpyStrcat\Path 32:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=34
Status	New

The size of the buffer used by gf_dump_to_vobsub in szName, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_dump_to_vobsub passes to szName, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	226	261
Object	szName	szName

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char *szName, u32 track, char *dsi, u32 dsiSize)

```
....
226.  static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char
*szName, u32 track, char *dsi, u32 dsiSize)
....
261.        szName = strcat(szName, ".sub");
```

Buffer Overflow StrcpyStrcat\Path 33:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=35
Status	New

The size of the buffer used by gf_dump_to_vobsub in szPath, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_dump_to_vobsub passes to szName, at line 226 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	226	247
Object	szName	szPath

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char *szName, u32 track, char *dsi, u32 dsiSize)

```
....
226.  static GF_Err gf_dump_to_vobsub(GF_MediaExporter *dumper, char
*szName, u32 track, char *dsi, u32 dsiSize)
....
247.              strcat(szPath, ".idx");
```

Buffer Overflow StrcpyStrcat\Path 34:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=36
Status	New

The size of the buffer used by *gf_text_get_utf8_line in szLine, at line 232 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *gf_text_get_utf8_line passes to szLine, at line 232 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	232	310
Object	szLine	szLine

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
232.  char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE
*txt_in, s32 unicode_type)
....
310.        strcpy(szLine, szLineConv);
```

Buffer Overflow StrcpyStrcat\Path 35:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=37
Status	New

The size of the buffer used by SFS_AddString in string, at line 70 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that SFS_AddString passes to str, at line 70 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	70	81
Object	str	string

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	static void SFS_AddString(ScriptParser *parser, char *str)

```
....
70.  static void SFS_AddString(ScriptParser *parser, char *str)
....
81.   strcat(parser->string, str);
```

Buffer Overflow StrcpyStrcat\Path 36:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=38
Status	New

The size of the buffer used by SFS_AddString in string, at line 70 of gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that SFS_AddString passes to str, at line 70 of gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	70	81
Object	str	string

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	static void SFS_AddString(ScriptParser *parser, char *str)

```
....
70.  static void SFS_AddString(ScriptParser *parser, char *str)
....
81.   strcat(parser->string, str);
```

Buffer Overflow StrcpyStrcat\Path 37:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=39
Status	New

The size of the buffer used by xmt_parse_url in vals, at line 824 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_parse_string passes to name, at line 757 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	757	844
Object	name	vals

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
757.  static u32 xmt_parse_string(GF_XMTParser *parser, const char
*name, SFString *val, Bool is_mf, char *a_value)
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_url(GF_XMTParser *parser, const char *name, MFURL *val, GF_Node *owner, Bool is_mf, char *a_value)

```
....
844.        strcpy(value, val->vals[idx].url);
```

Buffer Overflow StrcpyStrcat\Path 38:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=40
Status	New

The size of the buffer used by xmt_parse_url in vals, at line 824 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_parse_url passes to name, at line 824 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	824	844
Object	name	vals

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_url(GF_XMTParser *parser, const char *name, MFURL *val, GF_Node *owner, Bool is_mf, char *a_value)

```
....
824.  static u32 xmt_parse_url(GF_XMTParser *parser, const char *name,
MFURL *val, GF_Node *owner, Bool is_mf, char *a_value)
....
844.        strcpy(value, val->vals[idx].url);
```

Buffer Overflow StrcpyStrcat\Path 39:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=41
Status	New

The size of the buffer used by xmt_strip_name in in, at line 1256 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_strip_name passes to in, at line 1256 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	1256	1259
Object	in	in

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_strip_name(const char *in, char *out)

```
....
1256.   static void xmt_strip_name(const char *in, char *out)
....
1259.         strcpy(out, in);
```

Buffer Overflow StrcpyStrcat\Path 40:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=42
Status	New

The size of the buffer used by xmt_strip_name in out, at line 1256 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_strip_name passes to out, at line 1256 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	1256	1259
Object	out	out

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_strip_name(const char *in, char *out)

```
....
1256.   static void xmt_strip_name(const char *in, char *out)
....
1259.         strcpy(out, in);
```

Buffer Overflow StrcpyStrcat\Path 41:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=43
Status	New

The size of the buffer used by *gf_text_get_utf8_line in szLine, at line 232 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *gf_text_get_utf8_line passes to szLine, at line 232 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	232	310
Object	szLine	szLine

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
232.  char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE
*txt_in, s32 unicode_type)
....
310.        strcpy(szLine, szLineConv);
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1
Status	New

The size of the buffer used by SFS_AddChar in msg, at line 90 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that SFS_AddChar passes to "%c", at line 90 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	93	94
Object	"%c"	msg

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method static void SFS_AddChar(ScriptParser *parser, char c)

```
....
93.    sprintf(msg, "%c", c);
94.    SFS_AddString(parser, msg);
```

Buffer Overflow LongString\Path 2:

Severity	High
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=2
Status	New

The size of the buffer used by SFS_AddChar in msg, at line 90 of gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that SFS_AddChar passes to "%c", at line 90 of gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	93	94
Object	"%c"	msg

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method static void SFS_AddChar(ScriptParser *parser, char c)

```
....
93.    sprintf(msg, "%c", c);
94.    SFS_AddString(parser, msg);
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=207
Status	New

The dangerous function, memcpy, was found in use at line 370 in gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Line	424	424
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Method GF_Err flac_dmx_process(GF_Filter *filter)

```
....
424.            memcpy(ctx->flac_buffer + ctx->flac_buffer_size, data, 
pck_size);
```

Dangerous Functions\Path 2:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=208
Status	New

The dangerous function, memcpy, was found in use at line 370 in gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Line	556	556
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Method GF_Err flac_dmx_process(GF_Filter *filter)

```
....
556.                    memcpy(output, start, next_frame);
```

Dangerous Functions\Path 3:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=209
Status	New

The dangerous function, memcpy, was found in use at line 715 in gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Line	734	734
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Method	static GF_Err av1dmx_parse_flush_sample(GF_Filter *filter, GF_AV1DmxCtx *ctx)

```
....
734.        memcpy(output, ctx->state.frame_obus, pck_size);
```

Dangerous Functions\Path 4:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=210
Status	New

The dangerous function, memcpy, was found in use at line 867 in gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Line	930	930
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Method	GF_Err av1dmx_process(GF_Filter *filter)

```
....
930.                memcpy(ctx->buffer+ctx->buf_size, data,
pck_size);
```

Dangerous Functions\Path 5:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=211
Status	New

The dangerous function, memcpy, was found in use at line 867 in gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Line	962	962
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Method GF_Err av1dmx_process(GF_Filter *filter)

```
....
962.                    memcpy(ctx->buffer+ctx->buf_size, data,
pck_size);
```

Dangerous Functions\Path 6:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=212
Status	New

The dangerous function, memcpy, was found in use at line 867 in gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Line	980	980
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30015-TP.c
Method GF_Err av1dmx_process(GF_Filter *filter)

```
....
980.          memcpy(ctx->buffer+ctx->buf_size, data, pck_size);
```

Dangerous Functions\Path 7:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=213
Status	New

The dangerous function, memcpy, was found in use at line 496 in gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Line	551	551
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method	GF_Err adts_dmx_process(GF_Filter *filter)

```
....
551.                memcpy(ctx->adts_buffer + ctx->adts_buffer_size, data,
pck_size);
```

Dangerous Functions\Path 8:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=214
Status	New

The dangerous function, memcpy, was found in use at line 496 in gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Line	592	592
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method	GF_Err adts_dmx_process(GF_Filter *filter)

```
....
592.                         memcpy(ctx->id3_buffer, start, 10);
```

Dangerous Functions\Path 9:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=215
Status	New

The dangerous function, memcpy, was found in use at line 496 in gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Line	605	605
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method	GF_Err adts_dmx_process(GF_Filter *filter)

```
....
605.                    memcpy(ctx->id3_buffer + ctx->id3_buffer_size,
start, bytes_to_drop);
```

Dangerous Functions\Path 10:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=216
Status	New

The dangerous function, memcpy, was found in use at line 496 in gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Line	715	715
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method	GF_Err adts_dmx_process(GF_Filter *filter)

```
....
715.                    memcpy(output, sync + offset, size);
```

Dangerous Functions\Path 11:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=217
Status	New

The dangerous function, memcpy, was found in use at line 422 in gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Line	467	467
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Method	GF_Err latm_dmx_process(GF_Filter *filter)

```
....
467.             memcpy(ctx->latm_buffer + ctx->latm_buffer_size, data,
pck_size);
```

Dangerous Functions\Path 12:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=218
Status	New

The dangerous function, memcpy, was found in use at line 422 in gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Line	510	510
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Method	GF_Err latm_dmx_process(GF_Filter *filter)

```
....
510.                     memcpy(output, latm_buffer, latm_frame_size);
```

Dangerous Functions\Path 13:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=219
Status	New

The dangerous function, memcpy, was found in use at line 442 in gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	920	920
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method	GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
920.                                            memcpy(&stbl_group-
>sample_entries[stbl_group->entry_count], &frag_group-
>sample_entries[1], sizeof(GF_SampleGroupEntry) * (frag_group-
>entry_count - 1));
```

Dangerous Functions\Path 14:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=220
Status	New

The dangerous function, memcpy, was found in use at line 442 in gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	925	925
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c

Method	GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
925.                                memcpy(&stbl_group-
>sample_entries[stbl_group->entry_count], &frag_group-
>sample_entries[0], sizeof(GF_SampleGroupEntry) * frag_group-
>entry_count);
```

Dangerous Functions\Path 15:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=221
Status	New

The dangerous function, memcpy, was found in use at line 442 in gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	933	933
Object	memcpy	memcpy

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method	GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
933.                          memcpy(&stbl_group-
>sample_entries[stbl_group->entry_count], &frag_group-
>sample_entries[0], sizeof(GF_SampleGroupEntry) * frag_group-
>entry_count);
```

Dangerous Functions\Path 16:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=222
Status	New

The dangerous function, memcpy, was found in use at line 144 in gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Line	290	290
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Method GF_Err Media_GetESD(GF_MediaBox *mdia, u32 sampleDescIndex, GF_ESD **out_esd, Bool true_desc_only)

```
....
290.                    memcpy(esd->decoderConfig->decoderSpecificInfo->data, vtte->config->string, esd->decoderConfig->decoderSpecificInfo->dataLength);
```

Dangerous Functions\Path 17:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=223
Status	New

The dangerous function, memcpy, was found in use at line 144 in gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Line	365	365
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Method GF_Err Media_GetESD(GF_MediaBox *mdia, u32 sampleDescIndex, GF_ESD **out_esd, Bool true_desc_only)

```
....
365.                    memcpy(esd->decoderConfig->decoderSpecificInfo->data, ptr->lsr_config->hdr, sizeof(char)*ptr->lsr_config->hdr_size);
```

Dangerous Functions\Path 18:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=224
Status	New

The dangerous function, memcpy, was found in use at line 536 in gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Line	564	564
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Method GF_Err infe_box_read(GF_Box *s, GF_BitStream *bs)

```
....
564.                    memcpy(ptr->item_name, buf+string_start,
string_len);
```

Dangerous Functions\Path 19:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=225
Status	New

The dangerous function, memcpy, was found in use at line 536 in gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Line	568	568
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Method GF_Err infe_box_read(GF_Box *s, GF_BitStream *bs)

```
....
568.                    memcpy(ptr->content_type,
buf+string_start, string_len);
```

Dangerous Functions\Path 20:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=226
Status	New

The dangerous function, memcpy, was found in use at line 536 in gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Line	572	572
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33363-TP.c
Method GF_Err infe_box_read(GF_Box *s, GF_BitStream *bs)

```
....
572.                              memcpy(ptr->content_encoding,
buf+string_start, string_len);
```

Dangerous Functions\Path 21:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=227
Status	New

The dangerous function, memcpy, was found in use at line 1413 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	1485	1485
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static void naludmx_queue_param_set(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 ps_type, s32 ps_id)

```
....
1485.                memcpy(sl->data, data, size);
```

Dangerous Functions\Path 22:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=228
Status	New

The dangerous function, memcpy, was found in use at line 1413 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	1500	1500
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static void naludmx_queue_param_set(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 ps_type, s32 ps_id)

```
....
1500.          memcpy(sl->data, data, size);
```

Dangerous Functions\Path 23:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=229
Status	New

The dangerous function, memcpy, was found in use at line 1867 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	1931	1931
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static s32 naludmx_parse_nal_avc(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 nal_type, Bool *skip_nal, Bool *is_slice, Bool *is_islice)

```
....
1931.                    memcpy(ctx->sei_buffer + ctx->sei_buffer_size +
ctx->nal_length, data, sei_size);
```

Dangerous Functions\Path 24:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=230
Status	New

The dangerous function, memcpy, was found in use at line 1867 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	1955	1955
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static s32 naludmx_parse_nal_avc(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 nal_type, Bool *skip_nal, Bool *is_slice, Bool *is_islice)

```
....
1955.                         memcpy(ctx->init_aud, data, 2);
```

Dangerous Functions\Path 25:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=231
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2154	2154
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2154.            memcpy(ctx->hdr_store + ctx->hdr_store_size, data,
sizeof(char)*pck_size);
```

Dangerous Functions\Path 26:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=232
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2234	2234
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2234.                   memcpy(ctx->hdr_store, start, remain);
```

Dangerous Functions\Path 27:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=233
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2245	2245
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2245.                       memcpy(ctx->hdr_store + ctx->bytes_in_header,
start, SAFETY_NAL_STORE - ctx->bytes_in_header);
```

Dangerous Functions\Path 28:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=234
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2255	2255
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2255.                                        memcpy(pck_data, ctx-
>hdr_store, ctx->bytes_in_header);
```

Dangerous Functions\Path 29:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=235
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2353	2353

Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2353.                                          memcpy(pck_data, start, 
(size_t) size);
```

Dangerous Functions\Path 30:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=236
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2357	2357
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2357.                                 memcpy(ctx->hdr_store, start+remain-
3, 3);
```

Dangerous Functions\Path 31:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=237
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-	gpac@@gpac-v1.0.1-CVE-2021-40562-

	TP.c	TP.c
Line	2400	2400
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2400.                                   memcpy(pck_data, ctx->hdr_store, 
current);
```

Dangerous Functions\Path 32:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=238
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2404	2404
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2404.                                   memcpy(pck_data, start, current);
```

Dangerous Functions\Path 33:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=239
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2503	2503
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2503.                                   memcpy(ctx->hdr_store + ctx-
>hdr_store_size, start, sizeof(char)*pck_avail);
```

Dangerous Functions\Path 34:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=240
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2542	2542
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2542.                                                memcpy(ctx->hdr_store +
hdr_offset + nal_bytes_from_store, start, copy_size);
```

Dangerous Functions\Path 35:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=241
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2555	2555
Object	memcpy	memcpy

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2555.                                   memcpy(ctx->hdr_store, start,
remain);
```

Dangerous Functions\Path 36:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=242
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2602	2602
Object	memcpy	memcpy

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2602.                                   memcpy(ctx->hdr_store, start+remain-
3, 3);
```

Dangerous Functions\Path 37:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=243
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2742	2742
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2742.                              memcpy(ctx->svc_prefix_buffer,
start+sc_size, ctx->svc_prefix_buffer_size);
```

Dangerous Functions\Path 38:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=244
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2940	2940
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2940.                       memcpy(pck_data + ctx->nal_length , ctx-
>init_aud, audelim_size);
```

Dangerous Functions\Path 39:

Severity	Medium

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=245
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2949	2949
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2949.                  memcpy(pck_data, ctx->sei_buffer, ctx-
>sei_buffer_size);
```

Dangerous Functions\Path 40:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=246
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2958	2958
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2958.                  memcpy(pck_data + ctx->nal_length, ctx-
>svc_prefix_buffer, ctx->svc_prefix_buffer_size);
```

Dangerous Functions\Path 41:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=247
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2976	2976
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2976.                    memcpy(pck_data, hdr_start,
nal_bytes_from_store);
```

Dangerous Functions\Path 42:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=248
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2980	2980
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2980.                    memcpy(pck_data + nal_bytes_from_store,
pck_start, (size_t) size);
```

Dangerous Functions\Path 43:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=249
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2992	2992
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2992.                memcpy(pck_data, pck_start, (size_t) size);
```

Dangerous Functions\Path 44:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=250
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	2997	2997
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
2997.                           memcpy(ctx->hdr_store, start+remain-3, 3);
```

Dangerous Functions\Path 45:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=251
Status	New

The dangerous function, memcpy, was found in use at line 1413 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	1485	1485
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static void naludmx_queue_param_set(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 ps_type, s32 ps_id)

```
....
1485.                memcpy(sl->data, data, size);
```

Dangerous Functions\Path 46:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=252
Status	New

The dangerous function, memcpy, was found in use at line 1413 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	1500	1500
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static void naludmx_queue_param_set(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 ps_type, s32 ps_id)

```
....
1500.        memcpy(sl->data, data, size);
```

Dangerous Functions\Path 47:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=253
Status	New

The dangerous function, memcpy, was found in use at line 1867 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	1931	1931
Object	memcpy	memcpy

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static s32 naludmx_parse_nal_avc(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 nal_type, Bool *skip_nal, Bool *is_slice, Bool *is_islice)

```
....
1931.                  memcpy(ctx->sei_buffer + ctx->sei_buffer_size +
ctx->nal_length, data, sei_size);
```

Dangerous Functions\Path 48:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=254
Status	New

The dangerous function, memcpy, was found in use at line 1867 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-	gpac@@gpac-v1.0.1-CVE-2021-40563-

	TP.c	TP.c
Line	1955	1955
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method static s32 naludmx_parse_nal_avc(GF_NALUDmxCtx *ctx, char *data, u32 size, u32 nal_type, Bool *skip_nal, Bool *is_slice, Bool *is_islice)

```
....
1955.                         memcpy(ctx->init_aud, data, 2);
```

Dangerous Functions\Path 49:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=255
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	2154	2154
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2154.                   memcpy(ctx->hdr_store + ctx->hdr_store_size, data,
sizeof(char)*pck_size);
```

Dangerous Functions\Path 50:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=256
Status	New

The dangerous function, memcpy, was found in use at line 2087 in gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c file. Such functions may expose information and allow an attacker to get full control over the host machine.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	2234	2234
Object	memcpy	memcpy

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
2234.                       memcpy(ctx->hdr_store, start, remain);
```

Use of Zero Initialized Pointer

Query 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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1258
Status	New

The variable declared in a at gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c in line 104 is not initialized when it is used by a at gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c in line 104.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c	gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c
Line	108	127
Object	a	a

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c
Method GF_Err ilst_item_box_read(GF_Box *s,GF_BitStream *bs)

```
....
108.          GF_Box *a = NULL;
....
127.                ISOM_DECREASE_SIZE(ptr, a->size);
```

Use of Zero Initialized Pointer\Path 2:

Severity	Medium

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1259
Status	New

The variable declared in sgdp at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 271 is not initialized when it is used by sgdp at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 271.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Line	303	318
Object	sgdp	sgdp

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Method GF_Err stbl_SearchSAPs(GF_SampleTableBox *stbl, u32 SampleNumber, GF_ISOSAPType *IsRAP, u32 *prevRAP, u32 *nextRAP)

```
....
303.                    sgdp = NULL;
....
318.                          GF_RollRecoveryEntry *entry =
gf_list_get(sgdp->group_descriptions, sg-
>sample_entries[j].group_description_index - 1);
```

Use of Zero Initialized Pointer\Path 3:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1260
Status	New

The variable declared in sgdp at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 271 is not initialized when it is used by sgdp at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 271.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Line	285	318
Object	sgdp	sgdp

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Method GF_Err stbl_SearchSAPs(GF_SampleTableBox *stbl, u32 SampleNumber, GF_ISOSAPType *IsRAP, u32 *prevRAP, u32 *nextRAP)

```
....
285.                 GF_SampleGroupDescriptionBox *sgdp = NULL;
....
318.                             GF_RollRecoveryEntry *entry =
gf_list_get(sgdp->group_descriptions, sg-
>sample_entries[j].group_description_index - 1);
```

Use of Zero Initialized Pointer\Path 4:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1261
Status	New

The variable declared in new_idx at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by new_idx at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	826	932
Object	new_idx	new_idx

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method	GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
826.                 u32 *new_idx = NULL;
....
932.                                     frag_group-
>sample_entries[j].group_description_index = new_idx[j];
```

Use of Zero Initialized Pointer\Path 5:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1262
Status	New

The variable declared in stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c

Line	899	929
Object	stbl_group	stbl_group

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
899.                            stbl_group = NULL;
....
929.                            stbl_group->sample_entries = 
gf_realloc(stbl_group->sample_entries, sizeof(GF_SampleGroupEntry) * 
(stbl_group->entry_count + frag_group->entry_count));
```

Use of Zero Initialized Pointer\Path 6:

Severity Medium
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1263
Status New

The variable declared in stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	891	929
Object	stbl_group	stbl_group

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
891.                    GF_SampleGroupBox *stbl_group = NULL;
....
929.                            stbl_group->sample_entries = 
gf_realloc(stbl_group->sample_entries, sizeof(GF_SampleGroupEntry) * 
(stbl_group->entry_count + frag_group->entry_count));
```

Use of Zero Initialized Pointer\Path 7:

Severity Medium
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=1264
Status	New

The variable declared in stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	899	929
Object	stbl_group	stbl_group

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
899.                            stbl_group = NULL;
....
929.                            stbl_group->sample_entries =
gf_realloc(stbl_group->sample_entries, sizeof(GF_SampleGroupEntry) *
(stbl_group->entry_count + frag_group->entry_count));
```

Use of Zero Initialized Pointer\Path 8:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1265
Status	New

The variable declared in stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by stbl_group at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	891	929
Object	stbl_group	stbl_group

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
891.                    GF_SampleGroupBox *stbl_group = NULL;
....
929.                            stbl_group->sample_entries =
gf_realloc(stbl_group->sample_entries, sizeof(GF_SampleGroupEntry) *
(stbl_group->entry_count + frag_group->entry_count));
```

Use of Zero Initialized Pointer\Path 9:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1266
Status	New

The variable declared in senc at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by senc at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	946	1062
Object	senc	senc

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
946.                GF_SampleEncryptionBox *senc = NULL;
....
1062.                                   gf_list_add(senc->samp_aux_info,
sai);
```

Use of Zero Initialized Pointer\Path 10:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1267
Status	New

The variable declared in senc at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by senc at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c

Line	946	1085
Object	senc	senc

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
946.            GF_SampleEncryptionBox *senc = NULL;
....
1085.                   gf_list_add(senc->samp_aux_info, new_sai);
```

Use of Zero Initialized Pointer\Path 11:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1268
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Line	1295	1300
Object	sub_samples	sub_samples

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Method u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1295.           sub_samples = NULL;
....
1300.       count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 12:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1269
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Line	1286	1300
Object	sub_samples	sub_samples

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Method u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1286.        GF_SubSampleInformationBox *sub_samples=NULL;
....
1300.        count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 13:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1270
Status	New

The variable declared in avc_state at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 322 is not initialized when it is used by avc_state at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 322.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	327	435
Object	avc_state	avc_state

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static void naludmx_check_dur(GF_Filter *filter, GF_NALUDmxCtx *ctx)

```
....
327.        AVCState *avc_state = NULL;
....
435.                nal_type = avc_state->last_nal_type_parsed;
```

Use of Zero Initialized Pointer\Path 14:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1271
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	636	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
636.                pa = NULL;
....
647.          gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 15:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1272
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	630	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.          GF_HEVCParamArray *pa = NULL;
....
647.          gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 16:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1273
Status	New

The variable declared in avc_state at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 322 is not initialized when it is used by avc_state at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 322.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	327	435
Object	avc_state	avc_state

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static void naludmx_check_dur(GF_Filter *filter, GF_NALUDmxCtx *ctx)

```
....
327.        AVCState *avc_state = NULL;
....
435.                    nal_type = avc_state->last_nal_type_parsed;
```

Use of Zero Initialized Pointer\Path 17:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1274
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	636	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
636.                pa = NULL;
....
647.        gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 18:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1275
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	630	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
647.        gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 19:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1276
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Line	1295	1300
Object	sub_samples	sub_samples

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Method	u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1295.              sub_samples = NULL;
....
1300.        count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 20:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1277
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Line	1286	1300
Object	sub_samples	sub_samples

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Method	u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1286.        GF_SubSampleInformationBox *sub_samples=NULL;
....
1300.        count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 21:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1278
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Line	1295	1300
Object	sub_samples	sub_samples

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Method	u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1295.                   sub_samples = NULL;
....
1300.           count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 22:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1279
Status	New

The variable declared in sub_samples at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1283 is not initialized when it is used by sub_samples at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1283.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Line	1286	1300
Object	sub_samples	sub_samples

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Method	u32 gf_isom_sample_get_subsample_entry(GF_ISOFile *movie, u32 track, u32 sampleNumber, u32 flags, GF_SubSampleInfoEntry **sub_sample)

```
....
1286.           GF_SubSampleInformationBox *sub_samples=NULL;
....
1300.           count = gf_list_count(sub_samples->Samples);
```

Use of Zero Initialized Pointer\Path 23:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1280
Status	New

The variable declared in fieldValue at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 2021 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Line	2070	772
Object	fieldValue	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2070.            char *fieldValue = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
772.             if (len) val->buffer = gf_strdup(str);
```

Use of Zero Initialized Pointer\Path 24:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1281
Status	New

The variable declared in fieldValue at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 2021 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	2151	772
Object	fieldValue	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2151.            char *fieldValue = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
772.                if (len) val->buffer = gf_strdup(str);
```

Use of Zero Initialized Pointer\Path 25:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1282
Status	New

The variable declared in fieldValue at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 2021 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	2070	793
Object	fieldValue	buffer

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2070.               char *fieldValue = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
793.                if (len) val->buffer = gf_strdup(str);
```

Use of Zero Initialized Pointer\Path 26:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1283
Status	New

The variable declared in fieldValue at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 2021 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	2151	793
Object	fieldValue	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2151.                   char *fieldValue = NULL;
```

▼

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
793.                    if (len) val->buffer = gf_strdup(str);
```

Use of Zero Initialized Pointer\Path 27:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1284
Status	New

The variable declared in buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 859 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 859.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	865	870
Object	buffer	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_script(GF_XMTParser *parser, const char *name, SFScript *val, Bool is_mf, char *a_value)

```
....
865.            sfstr.buffer = NULL;
....
870.            val->script_text = (char*)sfstr.buffer;
```

Use of Zero Initialized Pointer\Path 28:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1285
Status	New

The variable declared in buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 859.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	818	870
Object	buffer	buffer

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
818.        val->buffer = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c

Method static u32 xmt_parse_script(GF_XMTParser *parser, const char *name, SFScript *val, Bool is_mf, char *a_value)

```
....
870.        val->script_text = (char*)sfstr.buffer;
```

Use of Zero Initialized Pointer\Path 29:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1286
Status	New

The variable declared in buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 859.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	792	870
Object	buffer	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
792.                val->buffer = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_script(GF_XMTParser *parser, const char *name, SFScript *val, Bool is_mf, char *a_value)

```
....
870.          val->script_text = (char*)sfstr.buffer;
```

Use of Zero Initialized Pointer\Path 30:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1287
Status	New

The variable declared in buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 757 is not initialized when it is used by buffer at gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c in line 859.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	771	870
Object	buffer	buffer

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
771.                val->buffer = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_script(GF_XMTParser *parser, const char *name, SFScript *val, Bool is_mf, char *a_value)

```
....
870.          val->script_text = (char*)sfstr.buffer;
```

Use of Zero Initialized Pointer\Path 31:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1288
Status	New

The variable declared in avc_state at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 322 is not initialized when it is used by avc_state at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 322.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	327	435
Object	avc_state	avc_state

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method static void naludmx_check_dur(GF_Filter *filter, GF_NALUDmxCtx *ctx)

```
....
327.        AVCState *avc_state = NULL;
....
435.                    nal_type = avc_state->last_nal_type_parsed;
```

Use of Zero Initialized Pointer\Path 32:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1289
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	636	647
Object	pa	pa

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
636.                pa = NULL;
....
647.          gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 33:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1290
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	630	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.          GF_HEVCParamArray *pa = NULL;
....
647.          gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 34:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1291
Status	New

The variable declared in avc_state at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 322 is not initialized when it is used by avc_state at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 322.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Line	327	435
Object	avc_state	avc_state

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Method static void naludmx_check_dur(GF_Filter *filter, GF_NALUDmxCtx *ctx)

```
....
327.        AVCState *avc_state = NULL;
....
435.                    nal_type = avc_state->last_nal_type_parsed;
```

Use of Zero Initialized Pointer\Path 35:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1292
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Line	636	647
Object	pa	pa

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
636.                pa = NULL;
....
647.        gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 36:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1293
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c

Line	630	647
Object	pa	pa

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
647.        gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 37:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1294
Status	New

The variable declared in avc_state at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 322 is not initialized when it is used by avc_state at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 322.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	327	435
Object	avc_state	avc_state

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Method static void naludmx_check_dur(GF_Filter *filter, GF_NALUDmxCtx *ctx)

```
....
327.        AVCState *avc_state = NULL;
....
435.                    nal_type = avc_state->last_nal_type_parsed;
```

Use of Zero Initialized Pointer\Path 38:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1295
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	636	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
636.                 pa = NULL;
....
647.           gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 39:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1296
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628 is not initialized when it is used by pa at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	630	647
Object	pa	pa

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Method	static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.           GF_HEVCParamArray *pa = NULL;
....
647.           gf_list_add(pa->nalus, sl);
```

Use of Zero Initialized Pointer\Path 40:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1297
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131 is not initialized when it is used by movieFileMap at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 543.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Line	1164	639
Object	curWriter	movieFileMap

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                     curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Method GF_Err DoWriteMeta(GF_ISOFile *file, GF_MetaBox *meta, GF_BitStream *bs, Bool Emulation, u64 baseOffset, u64 *mdatSize)

```
....
639.                                                  gf_bs_read_data(file-
>movieFileMap->bs, cache_data, size_cache);
```

Use of Zero Initialized Pointer\Path 41:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1298
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131 is not initialized when it is used by movieFileMap at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 543.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Line	1164	636
Object	curWriter	movieFileMap

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                   curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c

Method GF_Err DoWriteMeta(GF_ISOFile *file, GF_MetaBox *meta, GF_BitStream *bs, Bool Emulation, u64 baseOffset, u64 *mdatSize)

```
....
636.                                        gf_bs_seek(file->movieFileMap-
>bs, entry->original_extent_offset + iloc->original_base_offset);
```

Use of Zero Initialized Pointer\Path 42:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1299
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131 is not initialized when it is used by item_locations at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 216.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Line	1164	223
Object	curWriter	item_locations

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c

Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                   curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c

Method static void ShiftMetaOffset(GF_MetaBox *meta, u64 offset)

```
....
223.                GF_ItemLocationEntry *iloc = (GF_ItemLocationEntry
*)gf_list_get(meta->item_locations->location_entries, i);
```

Use of Zero Initialized Pointer\Path 43:

Severity	Medium
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1300
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131 is not initialized when it is used by item_locations at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 216.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Line	1164	221
Object	curWriter	item_locations

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c

Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                   curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c

Method static void ShiftMetaOffset(GF_MetaBox *meta, u64 offset)

```
....
221.         count = gf_list_count(meta->item_locations-
>location_entries);
```

Use of Zero Initialized Pointer\Path 44:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1301
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131 is not initialized when it is used by movieFileMap at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 543.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Line	1164	639
Object	curWriter	movieFileMap

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                       curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method GF_Err DoWriteMeta(GF_ISOFile *file, GF_MetaBox *meta, GF_BitStream *bs, Bool Emulation, u64 baseOffset, u64 *mdatSize)

```
....
639.                                                gf_bs_read_data(file-
>movieFileMap->bs, cache_data, size_cache);
```

Use of Zero Initialized Pointer\Path 45:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1302
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131 is not initialized when it is used by movieFileMap at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 543.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Line	1164	636
Object	curWriter	movieFileMap

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                       curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method GF_Err DoWriteMeta(GF_ISOFile *file, GF_MetaBox *meta, GF_BitStream *bs, Bool Emulation, u64 baseOffset, u64 *mdatSize)

```
....
636.                                          gf_bs_seek(file->movieFileMap-
>bs, entry->original_extent_offset + iloc->original_base_offset);
```

Use of Zero Initialized Pointer\Path 46:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1303
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131 is not initialized when it is used by item_locations at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 216.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Line	1164	223
Object	curWriter	item_locations

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                         curWriter = NULL;
```

File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c

Method static void ShiftMetaOffset(GF_MetaBox *meta, u64 offset)

```
....
223.              GF_ItemLocationEntry *iloc = (GF_ItemLocationEntry
*)gf_list_get(meta->item_locations->location_entries, i);
```

Use of Zero Initialized Pointer\Path 47:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1304
Status	New

The variable declared in curWriter at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131 is not initialized when it is used by item_locations at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 216.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Line	1164	221
Object	curWriter	item_locations

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Method	GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                       curWriter = NULL;
```

File Name	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Method	static void ShiftMetaOffset(GF_MetaBox *meta, u64 offset)

```
....
221.          count = gf_list_count(meta->item_locations-
>location_entries);
```

Use of Zero Initialized Pointer\Path 48:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1305
Status	New

The variable declared in hdr_start at gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c in line 370 is not initialized when it is used by hdr_start at gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c in line 370.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Line	472	468
Object	hdr_start	hdr_start

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-29279-TP.c
Method	GF_Err flac_dmx_process(GF_Filter *filter)

```
....
472.                              hdr_start = NULL;
....
468.                              cur_buf = hdr_start+1;
```

Use of Zero Initialized Pointer\Path 49:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1306
Status	New

The variable declared in URLString at gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c in line 31 is not initialized when it is used by URLString at gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c in line 31.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c
Line	111	110
Object	URLString	URLString

Code Snippet
File Name	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c
Method	GF_Err Media_RewriteODFrame(GF_MediaBox *mdia, GF_ISOSample *sample)

```
....
111.                                    isom_od->URLString = NULL;
....
110.                                    od->URLString = isom_od->URLString;
```

Use of Zero Initialized Pointer\Path 50:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1307
Status	New

The variable declared in extensionDescriptors at gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c in line 31 is not initialized when it is used by extensionDescriptors at gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c in line 31.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c
Line	113	112
Object	extensionDescriptors	extensionDescriptors

Code Snippet
File Name	gpac@@gpac-v1.0.1-CVE-2021-32440-TP.c
Method	GF_Err Media_RewriteODFrame(GF_MediaBox *mdia, GF_ISOSample *sample)

```
....
113.                                    isom_od->extensionDescriptors = NULL;
....
112.                                    od->extensionDescriptors = isom_od-
>extensionDescriptors;
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=44
Status	New

The size of the buffer used by isor_reader_get_sample in bin128, at line 201 of gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that isor_reader_get_sample passes to bin128, at line 201 of gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c	gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c
Line	493	493
Object	bin128	bin128

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c
Method void isor_reader_get_sample(ISOMChannel *ch)

```
....
493.                                    memcpy(ch->KID, KID,
sizeof(bin128));
```

Buffer Overflow boundcpy WrongSizeParam\Path 2:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=45
Status	New

The size of the buffer used by BM_ParseIndexInsert in GF_FieldInfo, at line 444 of gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BM_ParseIndexInsert passes to GF_FieldInfo, at line 444 of gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Line	485	485
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c

Method	GF_Err BM_ParseIndexInsert(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
485.            memcpy(&sffield, &field, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 3:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=46
Status	New

The size of the buffer used by BM_ParseIndexValueReplace in GF_FieldInfo, at line 732 of gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BM_ParseIndexValueReplace passes to GF_FieldInfo, at line 732 of gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Line	783	783
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Method	GF_Err BM_ParseIndexValueReplace(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
783.                    memcpy(&sffield, &field, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 4:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=47
Status	New

The size of the buffer used by BM_ParseIndexInsert in GF_FieldInfo, at line 444 of gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BM_ParseIndexInsert passes to GF_FieldInfo, at line 444 of gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Line	485	485
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Method	GF_Err BM_ParseIndexInsert(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
485.          memcpy(&sffield, &field, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 5:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=48
Status	New

The size of the buffer used by BM_ParseIndexValueReplace in GF_FieldInfo, at line 732 of gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BM_ParseIndexValueReplace passes to GF_FieldInfo, at line 732 of gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Line	783	783
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Method	GF_Err BM_ParseIndexValueReplace(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
783.                memcpy(&sffield, &field, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 6:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=49
Status	New

The size of the buffer used by dump_mpeg2_ts in GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Line	3420	3420
Object	GF_M2TS_Dump	GF_M2TS_Dump

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3420.        memset(&dumper, 0, sizeof(GF_M2TS_Dump));
```

Buffer Overflow boundcpy WrongSizeParam\Path 7:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=50
Status	New

The size of the buffer used by adts_dmx_check_pid in GF_M4ADecSpecInfo, at line 265 of gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that adts_dmx_check_pid passes to GF_M4ADecSpecInfo, at line 265 of gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c	gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Line	337	337
Object	GF_M4ADecSpecInfo	GF_M4ADecSpecInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method static void adts_dmx_check_pid(GF_Filter *filter, GF_ADTSDmxCtx *ctx)

```
....
337.        memset(&acfg, 0, sizeof(GF_M4ADecSpecInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 8:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=51
Status	New

The size of the buffer used by *adts_dmx_probe_data in ADTSHeader, at line 780 of gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *adts_dmx_probe_data passes to ADTSHeader, at line 780 of gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30019-	gpac@@gpac-v1.0.1-CVE-2021-30019-

	TP.c	TP.c
Line	805	805
Object	ADTSHeader	ADTSHeader

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30019-TP.c
Method static const char *adts_dmx_probe_data(const u8 *data, u32 size, GF_FilterProbeScore *score)

```
....
805.        memset(&prev_hdr, 0, sizeof(ADTSHeader));
```

Buffer Overflow boundcpy WrongSizeParam\Path 9:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=52
Status	New

The size of the buffer used by latm_dmx_check_dur in GF_M4ADecSpecInfo, at line 215 of gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that latm_dmx_check_dur passes to GF_M4ADecSpecInfo, at line 215 of gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Line	243	243
Object	GF_M4ADecSpecInfo	GF_M4ADecSpecInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Method static void latm_dmx_check_dur(GF_Filter *filter, GF_LATMDmxCtx *ctx)

```
....
243.        memset(&acfg, 0, sizeof(GF_M4ADecSpecInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 10:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=53
Status	New

The size of the buffer used by dump_mpeg2_ts in GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3420	3420
Object	GF_M2TS_Dump	GF_M2TS_Dump

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3420.       memset(&dumper, 0, sizeof(GF_M2TS_Dump));
```

Buffer Overflow boundcpy WrongSizeParam\Path 11:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=54
Status	New

The size of the buffer used by Media_GetESD in GF_M4ADecSpecInfo, at line 144 of gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that Media_GetESD passes to GF_M4ADecSpecInfo, at line 144 of gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Line	250	250
Object	GF_M4ADecSpecInfo	GF_M4ADecSpecInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32137-TP.c
Method GF_Err Media_GetESD(GF_MediaBox *mdia, u32 sampleDescIndex, GF_ESD **out_esd, Bool true_desc_only)

```
....
250.                            memset(&aacinfo, 0, 
sizeof(GF_M4ADecSpecInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 12:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=55
Status	New

The size of the buffer used by dump_mpeg2_ts in GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to GF_M2TS_Dump, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3420	3420
Object	GF_M2TS_Dump	GF_M2TS_Dump

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c

Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3420.        memset(&dumper, 0, sizeof(GF_M2TS_Dump));
```

Buffer Overflow boundcpy WrongSizeParam\Path 13:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=56
Status	New

The size of the buffer used by gppc_box_read in GF_3GPConfig, at line 48 of gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gppc_box_read passes to GF_3GPConfig, at line 48 of gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c
Line	52	52
Object	GF_3GPConfig	GF_3GPConfig

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c

Method GF_Err gppc_box_read(GF_Box *s, GF_BitStream *bs)

```
....
52.    memset(&ptr->cfg, 0, sizeof(GF_3GPConfig));
```

Buffer Overflow boundcpy WrongSizeParam\Path 14:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=57
Status	New

The size of the buffer used by *gf_isom_new_movie in GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *gf_isom_new_movie passes to GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Line	643	643
Object	GF_ISOFile	GF_ISOFile

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Method GF_ISOFile *gf_isom_new_movie()

```
....
643.        memset(mov, 0, sizeof(GF_ISOFile));
```

Buffer Overflow boundcpy WrongSizeParam\Path 15:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=58
Status	New

The size of the buffer used by naludmx_hevc_set_parall_type in HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_hevc_set_parall_type passes to HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	657	657
Object	HEVCState	HEVCState

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static void naludmx_hevc_set_parall_type(GF_NALUDmxCtx *ctx, GF_HEVCConfig *hevc_cfg)

```
....
657.        memset(&hevc, 0, sizeof(HEVCState));
```

Buffer Overflow boundcpy WrongSizeParam\Path 16:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=59
Status	New

The size of the buffer used by naludmx_hevc_set_parall_type in HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_hevc_set_parall_type passes to HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	657	657
Object	HEVCState	HEVCState

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method static void naludmx_hevc_set_parall_type(GF_NALUDmxCtx *ctx, GF_HEVCConfig *hevc_cfg)

```
....
657.        memset(&hevc, 0, sizeof(HEVCState));
```

Buffer Overflow boundcpy WrongSizeParam\Path 17:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=60
Status	New

The size of the buffer used by ttxt_parse_text_box in GF_BoxRecord, at line 1895 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ttxt_parse_text_box passes to GF_BoxRecord, at line 1895 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	1899	1899
Object	GF_BoxRecord	GF_BoxRecord

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method static void ttxt_parse_text_box(GF_XMLNode *n, GF_BoxRecord *box)

```
....
1899.       memset(box, 0, sizeof(GF_BoxRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 18:

Severity	Medium
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=61
Status	New

The size of the buffer used by ttxt_parse_text_style in GF_StyleRecord, at line 1908 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ttxt_parse_text_style passes to GF_StyleRecord, at line 1908 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	1912	1912
Object	GF_StyleRecord	GF_StyleRecord

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c

Method static void ttxt_parse_text_style(GF_TXTIn *ctx, GF_XMLNode *n, GF_StyleRecord *style)

```
....
1912.        memset(style, 0, sizeof(GF_StyleRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 19:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=62
Status	New

The size of the buffer used by txtin_setup_ttxt in GF_TextSampleDescriptor, at line 1931 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_setup_ttxt passes to GF_TextSampleDescriptor, at line 1931 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2017	2017
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c

Method static GF_Err txtin_setup_ttxt(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2017.                                   memset(&td, 0,
sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 20:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=63
Status	New

The size of the buffer used by tx3g_parse_text_box in GF_BoxRecord, at line 2341 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that tx3g_parse_text_box passes to GF_BoxRecord, at line 2341 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2345	2345
Object	GF_BoxRecord	GF_BoxRecord

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static void tx3g_parse_text_box(GF_XMLNode *n, GF_BoxRecord *box)

```
....
2345.       memset(box, 0, sizeof(GF_BoxRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 21:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=64
Status	New

The size of the buffer used by txtin_process_texml in GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2475	2475
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2475.             memset(&td, 0, sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 22:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=65
Status	New

The size of the buffer used by txtin_process_texml in GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2498	2498
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2498.                         memset(&td, 0,
sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 23:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=66
Status	New

The size of the buffer used by txtin_process_texml in GF_StyleRecord, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_StyleRecord, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2565	2565
Object	GF_StyleRecord	GF_StyleRecord

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2565.
        memset(&styles[nb_styles], 0, sizeof(GF_StyleRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 24:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=67
Status	New

The size of the buffer used by txtin_process_texml in Marker, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to Marker, at line 2435 of gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	2683	2683
Object	Marker	Marker

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2683.
        memset(&marks[nb_marks], 0, sizeof(Marker));
```

Buffer Overflow boundcpy WrongSizeParam\Path 25:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=68
Status	New

The size of the buffer used by mpgvdmx_probe_data in GF_M4VDecSpecInfo, at line 1057 of gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that mpgvdmx_probe_data passes to GF_M4VDecSpecInfo, at line 1057 of gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c
Line	1067	1067

Object	GF_M4VDecSpecInfo	GF_M4VDecSpecInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c
Method static const char * mpgvdmx_probe_data(const u8 *data, u32 size, GF_FilterProbeScore *score)

```
....
1067.           memset(&dsi, 0, sizeof(GF_M4VDecSpecInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 26:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=69
Status	New

The size of the buffer used by mpgvdmx_probe_data in GF_M4VDecSpecInfo, at line 1057 of gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that mpgvdmx_probe_data passes to GF_M4VDecSpecInfo, at line 1057 of gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c
Line	1092	1092
Object	GF_M4VDecSpecInfo	GF_M4VDecSpecInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40575-TP.c
Method static const char * mpgvdmx_probe_data(const u8 *data, u32 size, GF_FilterProbeScore *score)

```
....
1092.           memset(&dsi, 0, sizeof(GF_M4VDecSpecInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 27:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=70
Status	New

The size of the buffer used by BD_DecMFFieldList in GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldList passes to GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c, to overwrite the target buffer.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c
Line	287	287
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c
Method GF_Err BD_DecMFFieldList(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
287.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 28:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=71
Status	New

The size of the buffer used by BD_DecMFFieldVec in GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldVec passes to GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c
Line	376	376
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-1172-TP.c
Method GF_Err BD_DecMFFieldVec(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
376.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 29:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=72
Status	New

The size of the buffer used by gppc_box_read in GF_3GPConfig, at line 48 of gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gppc_box_read passes to GF_3GPConfig, at line 48 of gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c
Line	52	52
Object	GF_3GPConfig	GF_3GPConfig

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c
Method GF_Err gppc_box_read(GF_Box *s, GF_BitStream *bs)

```
....
52.    memset(&ptr->cfg, 0, sizeof(GF_3GPConfig));
```

Buffer Overflow boundcpy WrongSizeParam\Path 30:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=73
Status	New

The size of the buffer used by BD_DecMFFieldList in GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldList passes to GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c	gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c
Line	287	287
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c
Method GF_Err BD_DecMFFieldList(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
287.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 31:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=74
Status	New

The size of the buffer used by BD_DecMFFieldVec in GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldVec passes to GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c	gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c
Line	376	376
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-2453-TP.c

Method GF_Err BD_DecMFFieldVec(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
376.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 32:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=75
Status	New

The size of the buffer used by *gf_isom_new_movie in GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *gf_isom_new_movie passes to GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Line	643	643
Object	GF_ISOFile	GF_ISOFile

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c

Method GF_ISOFile *gf_isom_new_movie()

```
....
643.        memset(mov, 0, sizeof(GF_ISOFile));
```

Buffer Overflow boundcpy WrongSizeParam\Path 33:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=76

Status	New

The size of the buffer used by BD_DecMFFieldList in GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldList passes to GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c
Line	287	287
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c
Method	GF_Err BD_DecMFFieldList(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
287.         memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 34:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=77
Status	New

The size of the buffer used by BD_DecMFFieldVec in GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldVec passes to GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43043-TP.c
Line	376	376
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-~~CVE-2022-43043~~-TP.c
Method	GF_Err BD_DecMFFieldVec(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
376.         memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 35:

Severity	Medium
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=78
Status	New

The size of the buffer used by *gf_isom_new_movie in GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that *gf_isom_new_movie passes to GF_ISOFile, at line 636 of gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Line	643	643
Object	GF_ISOFile	GF_ISOFile

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Method	GF_ISOFile *gf_isom_new_movie()

```
....
643.        memset(mov, 0, sizeof(GF_ISOFile));
```

Buffer Overflow boundcpy WrongSizeParam\Path 36:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=79
Status	New

The size of the buffer used by xmt_locate_stream in XMT_ESDLink, at line 381 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_locate_stream passes to XMT_ESDLink, at line 381 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	408	408
Object	XMT_ESDLink	XMT_ESDLink

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method	static u32 xmt_locate_stream(GF_XMTParser *parser, char *stream_name)

```
....
408.        memset(esdl, 0, sizeof(XMT_ESDLink));
```

Buffer Overflow boundcpy WrongSizeParam\Path 37:

Severity	Medium

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=80
Status	New

The size of the buffer used by BD_DecMFFieldList in GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldList passes to GF_FieldInfo, at line 277 of gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c
Line	287	287
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c
Method	GF_Err BD_DecMFFieldList(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
287.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 38:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=81
Status	New

The size of the buffer used by BD_DecMFFieldVec in GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that BD_DecMFFieldVec passes to GF_FieldInfo, at line 367 of gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c
Line	376	376
Object	GF_FieldInfo	GF_FieldInfo

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-45343-TP.c
Method	GF_Err BD_DecMFFieldVec(GF_BifsDecoder * codec, GF_BitStream *bs, GF_Node *node, GF_FieldInfo *field, Bool is_mem_com)

```
....
376.        memset(&sffield, 0, sizeof(GF_FieldInfo));
```

Buffer Overflow boundcpy WrongSizeParam\Path 39:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=82
Status	New

The size of the buffer used by naludmx_hevc_set_parall_type in HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_hevc_set_parall_type passes to HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	657	657
Object	HEVCState	HEVCState

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method static void naludmx_hevc_set_parall_type(GF_NALUDmxCtx *ctx, GF_HEVCConfig *hevc_cfg)

```
....
657.        memset(&hevc, 0, sizeof(HEVCState));
```

Buffer Overflow boundcpy WrongSizeParam\Path 40:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=83
Status	New

The size of the buffer used by naludmx_hevc_set_parall_type in HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_hevc_set_parall_type passes to HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Line	657	657
Object	HEVCState	HEVCState

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Method static void naludmx_hevc_set_parall_type(GF_NALUDmxCtx *ctx, GF_HEVCConfig *hevc_cfg)

```
....
657.        memset(&hevc, 0, sizeof(HEVCState));
```

Buffer Overflow boundcpy WrongSizeParam\Path 41:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=84
Status	New

The size of the buffer used by naludmx_hevc_set_parall_type in HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_hevc_set_parall_type passes to HEVCState, at line 650 of gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	657	657
Object	HEVCState	HEVCState

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c

Method static void naludmx_hevc_set_parall_type(GF_NALUDmxCtx *ctx, GF_HEVCConfig *hevc_cfg)

```
....
657.        memset(&hevc, 0, sizeof(HEVCState));
```

Buffer Overflow boundcpy WrongSizeParam\Path 42:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=85
Status	New

The size of the buffer used by ttxt_parse_text_box in GF_BoxRecord, at line 1895 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ttxt_parse_text_box passes to GF_BoxRecord, at line 1895 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	1899	1899
Object	GF_BoxRecord	GF_BoxRecord

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static void ttxt_parse_text_box(GF_XMLNode *n, GF_BoxRecord *box)

```
....
1899.        memset(box, 0, sizeof(GF_BoxRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 43:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=86
Status	New

The size of the buffer used by ttxt_parse_text_style in GF_StyleRecord, at line 1908 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that ttxt_parse_text_style passes to GF_StyleRecord, at line 1908 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	1912	1912
Object	GF_StyleRecord	GF_StyleRecord

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static void ttxt_parse_text_style(GF_TXTIn *ctx, GF_XMLNode *n, GF_StyleRecord *style)

```
....
1912.        memset(style, 0, sizeof(GF_StyleRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 44:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=87
Status	New

The size of the buffer used by txtin_setup_ttxt in GF_TextSampleDescriptor, at line 1931 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_setup_ttxt passes to GF_TextSampleDescriptor, at line 1931 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	2017	2017
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method static GF_Err txtin_setup_ttxt(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2017.                               memset(&td, 0,
sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 45:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=88
Status	New

The size of the buffer used by tx3g_parse_text_box in GF_BoxRecord, at line 2341 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that tx3g_parse_text_box passes to GF_BoxRecord, at line 2341 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	2345	2345
Object	GF_BoxRecord	GF_BoxRecord

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method static void tx3g_parse_text_box(GF_XMLNode *n, GF_BoxRecord *box)

```
....
2345.       memset(box, 0, sizeof(GF_BoxRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 46:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=89
Status	New

The size of the buffer used by txtin_process_texml in GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c

Line	2475	2475
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2475.              memset(&td, 0, sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 47:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=90
Status	New

The size of the buffer used by txtin_process_texml in GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_TextSampleDescriptor, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	2498	2498
Object	GF_TextSampleDescriptor	GF_TextSampleDescriptor

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2498.                           memset(&td, 0,
sizeof(GF_TextSampleDescriptor));
```

Buffer Overflow boundcpy WrongSizeParam\Path 48:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=91
Status	New

The size of the buffer used by txtin_process_texml in GF_StyleRecord, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to GF_StyleRecord, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	2565	2565
Object	GF_StyleRecord	GF_StyleRecord

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2565.
            memset(&styles[nb_styles], 0, sizeof(GF_StyleRecord));
```

Buffer Overflow boundcpy WrongSizeParam\Path 49:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=92
Status	New

The size of the buffer used by txtin_process_texml in Marker, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that txtin_process_texml passes to Marker, at line 2435 of gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	2683	2683
Object	Marker	Marker

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static GF_Err txtin_process_texml(GF_Filter *filter, GF_TXTIn *ctx)

```
....
2683.
            memset(&marks[nb_marks], 0, sizeof(Marker));
```

Buffer Overflow boundcpy WrongSizeParam\Path 50:

Severity	Medium
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=93
Status	New

The size of the buffer used by isor_reader_get_sample in bin128, at line 201 of gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that isor_reader_get_sample passes to bin128, at line 201 of gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c	gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c
Line	492	492
Object	bin128	bin128

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40592-FP.c
Method void isor_reader_get_sample(ISOMChannel *ch)

```
....
492.                        if (memcmp(ch->KID, KID, sizeof(bin128)))
{
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1014
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.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	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3430	3430
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.                  sprintf(dumper.dump, "%s_%d.raw", out_name,
dumper.dump_pid);
```

Unchecked Return Value\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1015
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.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	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3467	3467
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.             sprintf(dumper.timestamps_info_name,
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Unchecked Return Value\Path 3:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1016
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3430	3430
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.                    sprintf(dumper.dump, "%s_%d.raw", out_name, 
dumper.dump_pid);
```

Unchecked Return Value\Path 4:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1017
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3467	3467
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.               sprintf(dumper.timestamps_info_name, 
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Unchecked Return Value\Path 5:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1018
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3430	3430

Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.                    sprintf(dumper.dump, "%s_%d.raw", out_name,
dumper.dump_pid);
```

Unchecked Return Value\Path 6:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1019
Status	New

The dump_mpeg2_ts method calls the sprintf function, at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3467	3467
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.              sprintf(dumper.timestamps_info_name,
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Unchecked Return Value\Path 7:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1020
Status	New

The gf_media_export_filters method calls the sprintf function, at line 1072 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-	gpac@@gpac-v1.0.1-CVE-2021-32438-

	TP.c	TP.c
Line	1274	1274
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	static GF_Err gf_media_export_filters(GF_MediaExporter *dumper)

```
....
1274.                   sprintf(szSubArgs, ":sstart=%d:send=%d", dumper-
>sample_num, dumper->sample_num);
```

Unchecked Return Value\Path 8:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1021
Status	New

The gf_media_export_filters method calls the sprintf function, at line 1072 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	1299	1299
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	static GF_Err gf_media_export_filters(GF_MediaExporter *dumper)

```
....
1299.                   sprintf(szSubArgs, ":nhmlonly:filep=%p", dumper-
>dump_file);
```

Unchecked Return Value\Path 9:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1022
Status	New

The gf_media_export_filters method calls the sprintf function, at line 1072 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	1337	1337
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method static GF_Err gf_media_export_filters(GF_MediaExporter *dumper)

```
....
1337.                 sprintf(szSubArgs, "#PID=%d", dumper->trackID);
```

Unchecked Return Value\Path 10:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1023
Status	New

The gf_media_export_filters method calls the sprintf function, at line 1072 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	1361	1361
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method static GF_Err gf_media_export_filters(GF_MediaExporter *dumper)

```
....
1361.                       sprintf(szSubArgs, ":mov=%p", dumper->file);
```

Unchecked Return Value\Path 11:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1024
Status	New

The gf_media_export_filters method calls the sprintf function, at line 1072 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	1382	1382
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	static GF_Err gf_media_export_filters(GF_MediaExporter *dumper)

```
....
1382.                sprintf(szSubArgs, "PID=%d", dumper->trackID);
```

Unchecked Return Value\Path 12:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1025
Status	New

The gf_media_export_isom method calls the sprintf function, at line 526 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	552	552
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	GF_Err gf_media_export_isom(GF_MediaExporter *dumper)

```
....
552.                sprintf(szName, "%s%s", dumper->out_name, ext ? ext : 
".mp4");
```

Unchecked Return Value\Path 13:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1026
Status	New

The gf_media_export_webvtt_metadata method calls the sprintf function, at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	625	625
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	GF_Err gf_media_export_webvtt_metadata(GF_MediaExporter *dumper)

```
....
625.            sprintf(szMedia, "%s.media", dumper->out_name);
```

Unchecked Return Value\Path 14:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1027
Status	New

The gf_media_export_webvtt_metadata method calls the sprintf function, at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	633	633
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method	GF_Err gf_media_export_webvtt_metadata(GF_MediaExporter *dumper)

```
....
633.        sprintf(szName, "%s.vtt", dumper->out_name);
```

Unchecked Return Value\Path 15:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1028
Status	New

The gf_media_export_six method calls the sprintf function, at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	854	854
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_six(GF_MediaExporter *dumper)

```
....
854.        sprintf(szMedia, "%s.media", dumper->out_name);
```

Unchecked Return Value\Path 16:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1029
Status	New

The gf_media_export_six method calls the sprintf function, at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.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	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	861	861
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_six(GF_MediaExporter *dumper)

```
....
861.        sprintf(szName, "%s.six", dumper->out_name);
```

Unchecked Return Value\Path 17:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1030

Status	New

The naludmx_process method calls the sprintf function, at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40562-TP.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	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	3027	3027
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
3027.             sprintf(szStatus, "%s %dx%d % 10d NALU % 8d I % 8d P %
8d B % 8d SEI", ctx->is_hevc ? "HEVC":"AVC|H264", ctx->width, ctx-
>height, ctx->nb_nalus, ctx->nb_i, ctx->nb_p, ctx->nb_b, ctx->nb_sei);
```

Unchecked Return Value\Path 18:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1031
Status	New

The naludmx_process method calls the sprintf function, at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40563-TP.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	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	3027	3027
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
3027.             sprintf(szStatus, "%s %dx%d % 10d NALU % 8d I % 8d P %
8d B % 8d SEI", ctx->is_hevc ? "HEVC":"AVC|H264", ctx->width, ctx-
>height, ctx->nb_nalus, ctx->nb_i, ctx->nb_p, ctx->nb_b, ctx->nb_sei);
```

Unchecked Return Value\Path 19:

Severity	Low

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1032
Status	New

The SFS_AddInt method calls the sprintf function, at line 84 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.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	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	87	87
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	static void SFS_AddInt(ScriptParser *parser, s32 val)

```
....
87.    sprintf(msg, "%d", val);
```

Unchecked Return Value\Path 20:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1033
Status	New

The SFS_AddChar method calls the sprintf function, at line 90 of gpac@@gpac-v1.0.1-CVE-2022-24578-TP.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	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	93	93
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	static void SFS_AddChar(ScriptParser *parser, char c)

```
....
93.    sprintf(msg, "%c", c);
```

Unchecked Return Value\Path 21:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1034
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	350	350
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
350.            sprintf(nhml, "<?xml version=\"1.0\" encoding=\"UTF-
8\" ?>\n");
```

Unchecked Return Value\Path 22:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1035
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	355	355
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
355.        sprintf(nhml, "<%s version=\"1.0\" ", ctx->szRootName);
```

Unchecked Return Value\Path 23:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1036
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	359	359
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
359.        NHML_PRINT_UINT(GF_PROP_PID_ID, NULL, "trackID")
```

Unchecked Return Value\Path 24:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1037
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	360	360
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
360.        NHML_PRINT_UINT(GF_PROP_PID_TIMESCALE, NULL, "timeScale")
```

Unchecked Return Value\Path 25:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1038
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	364	364
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
364.            sprintf(nhml, "inRootOD=\"yes\" ");
```

Unchecked Return Value\Path 26:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1039
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	369	369
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
369.                sprintf(nhml, "streamType=\"%d\"
objectTypeIndication=\"%d\" ", ctx->streamtype, ctx->oti);
```

Unchecked Return Value\Path 27:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1040
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	374	374
Object	sprintf	sprintf

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
374.                      sprintf(nhml, "%s=\"%s\" ", "mediaType",
gf_4cc_to_str(p->value.uint));
```

Unchecked Return Value\Path 28:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1041
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	377	377
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
377.                    NHML_PRINT_4CC(GF_PROP_PID_ISOM_SUBTYPE,
"mediaSubType", "mediaSubType")
```

Unchecked Return Value\Path 29:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1042
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	379	379
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
379.                    NHML_PRINT_4CC(GF_PROP_PID_CODECID, NULL,
"codecID")
```

Unchecked Return Value\Path 30:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1043
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Line	388	388
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
388.                  sprintf(nhml, "width=\"%d\" height=\"%d\" ",
ctx->w, ctx->h);
```

Unchecked Return Value\Path 31:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1044
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	396	396
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
396.              sprintf(nhml, "sampleRate=\"%d\" numChannels=\"%d\" ",
ctx->sr, ctx->chan);
```

Unchecked Return Value\Path 32:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1045
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	398	398
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
398.                sprintf(nhml, "sampleRate=\"%d\" numChannels=\"%d\" ",
ctx->sr, ctx->chan);
```

Unchecked Return Value\Path 33:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1046
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	402	402
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
402.                      sprintf(nhml, "bitsPerSample=\"%d\" ",
gf_audio_fmt_bit_depth(p->value.uint));
```

Unchecked Return Value\Path 34:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1047
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	406	406
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
406.		NHML_PRINT_4CC(0, "codec_vendor", "codecVendor")
```

Unchecked Return Value\Path 35:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1048
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	407	407
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
407.		NHML_PRINT_UINT(0, "codec_version", "codecVersion")
```

Unchecked Return Value\Path 36:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1049
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	408	408
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
408.          NHML_PRINT_UINT(0, "codec_revision", "codecRevision")
```

Unchecked Return Value\Path 37:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1050
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	409	409
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
409.          NHML_PRINT_STRING(0, "compressor_name", "compressorName")
```

Unchecked Return Value\Path 38:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1051
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	410	410
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
410.        NHML_PRINT_UINT(0, "temporal_quality", "temporalQuality")
```

Unchecked Return Value\Path 39:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1052
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	411	411
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
411.        NHML_PRINT_UINT(0, "spatial_quality", "spatialQuality")
```

Unchecked Return Value\Path 40:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1053
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	412	412
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
412.            NHML_PRINT_UINT(0, "hres", "horizontalResolution")
```

Unchecked Return Value\Path 41:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1054
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	413	413
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
413.            NHML_PRINT_UINT(0, "vres", "verticalResolution")
```

Unchecked Return Value\Path 42:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1055
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	414	414
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
414.          NHML_PRINT_UINT(GF_PROP_PID_BIT_DEPTH_Y, NULL, "bitDepth")
```

Unchecked Return Value\Path 43:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1056
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	416	416
Object	sprintf	sprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
416.          NHML_PRINT_STRING(0, "meta:xmlns", "xml_namespace")
```

Unchecked Return Value\Path 44:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1057
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	417	417
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
417.            NHML_PRINT_STRING(0, "meta:schemaloc",
"xml_schema_location")
```

Unchecked Return Value\Path 45:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1058
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	418	418
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
418.            NHML_PRINT_STRING(0, "meta:mime", "mime_type")
```

Unchecked Return Value\Path 46:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1059
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	420	420
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
420.          NHML_PRINT_STRING(0, "meta:config", "config")
```

Unchecked Return Value\Path 47:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1060
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	421	421
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
421.          NHML_PRINT_STRING(0, "meta:aux_mimes", "aux_mime_type")
```

Unchecked Return Value\Path 48:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1061
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	425	425
Object	sprintf	sprintf

Code Snippet
File Name   gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method   static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
425.                          sprintf(nhml,
"xmlns=\"http://www.3gpp.org/richmedia\" ");
```

Unchecked Return Value\Path 49:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1062
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	429	429
Object	sprintf	sprintf

Code Snippet
File Name   gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method   static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
429.                  NHML_PRINT_UINT(0, "dims:profile", "profile")
```

Unchecked Return Value\Path 50:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=1063
Status	New

The nhmldump_send_header method calls the sprintf function, at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.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	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	430	430
Object	sprintf	sprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
430.            NHML_PRINT_UINT(0, "dims:level", "level")
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1501
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3628	3628
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3628.        fprintf(stderr, "Downloading %s\n", mpd_src);
```

Improper Resource Access Authorization\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1502
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3721	3721
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3721.                        fprintf(stderr, "Downloading %s\n",
seg_url);
```

Improper Resource Access Authorization\Path 3:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1503
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3749	3749
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3749.                              fprintf(stderr, "Downloading %s\n",
seg_url);
```

Improper Resource Access Authorization\Path 4:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1504
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3213	3213
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3213.                       fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 5:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1505
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3218	3218
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3218.                       fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 6:

Severity	Low
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1506
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3226	3226
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3226.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 7:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1507
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3232	3232
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3232.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 8:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1508

Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3237	3237
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3237.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 9:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1509
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3242	3242
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3242.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 10:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1510
Status	New

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3266	3266
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3266.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 11:

Severity Low
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1511
Status New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3274	3274
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3274.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 12:

Severity Low
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1512
Status New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Line	3282	3282
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3282.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 13:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1513
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3339	3339
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3339.                          fprintf(dumper->timestamps_info_file,
"%u\t%d\t", pck->stream->pes_start_packet_number, pck->stream->pid);
```

Improper Resource Access Authorization\Path 14:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1514
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3340	3340
Object	fprintf	fprintf

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3340.                                if (interpolated_pcr_value)
fprintf(dumper->timestamps_info_file, "%f",
interpolated_pcr_value/(300.0 * 90000));
```

Improper Resource Access Authorization\Path 15:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1515
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3341	3341
Object	fprintf	fprintf

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3341.                                fprintf(dumper->timestamps_info_file,
"\t");
```

Improper Resource Access Authorization\Path 16:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1516
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3342	3342
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3342.                              if (pck->DTS) fprintf(dumper-
>timestamps_info_file, "%f", (pck->DTS / 90000.0));
```

Improper Resource Access Authorization\Path 17:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1517
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3343	3343
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3343.                              fprintf(dumper->timestamps_info_file,
"\t%f\t%d\t%d", pck->PTS / 90000.0, (pck->flags & GF_M2TS_PES_PCK_RAP) ?
1 : 0, (pck->flags & GF_M2TS_PES_PCK_DISCONTINUITY) ? 1 : 0);
```

Improper Resource Access Authorization\Path 18:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1518
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3347	3347
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c

Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3347.                                    fprintf(dumper-
>timestamps_info_file, "\t%f\n", diff);
```

Improper Resource Access Authorization\Path 19:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1519
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3348	3348
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3348.                                    if (diff<0) fprintf(stderr,
"Warning: detected PTS/DTS value less than current PCR of %g sec\n",
diff);
```

Improper Resource Access Authorization\Path 20:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1520
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3350	3350
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3350.                                   fprintf(dumper-
>timestamps_info_file, "\t\n");
```

Improper Resource Access Authorization\Path 21:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1521
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3364	3364
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3364.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\t%f\t\t\t\t%d\n", pck->stream->program-
>last_pcr_value_pck_number, pck->stream->pid, pck->PTS / (300*90000.0),
(pck->flags & GF_M2TS_PES_PCK_DISCONTINUITY) ? 1 : 0);
```

Improper Resource Access Authorization\Path 22:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1522
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3409	3409
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3409.              fprintf(stderr, "No program number nor output filename
specified. No timestamp file will be generated.");
```

Improper Resource Access Authorization\Path 23:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1523
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3414	3414
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3414.              fprintf(stderr, "Cannot open %s: no such file\n",
mpeg2ts_file);
```

Improper Resource Access Authorization\Path 24:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1524
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3459	3459
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3459.              fprintf(stderr, "No program number specified,
defaulting to first program\n");
```

Improper Resource Access Authorization\Path 25:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1525
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3463	3463
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3463.             fprintf(stderr, "No program number nor output filename
specified. No timestamp file will be generated\n");
```

Improper Resource Access Authorization\Path 26:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1526
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3470	3470
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3470.                   fprintf(stderr, "Cannot open file %s\n",
dumper.timestamps_info_name);
```

Improper Resource Access Authorization\Path 27:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1527
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3473	3473
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3473.               fprintf(dumper.timestamps_info_file,
"PCK#\tPID\tPCR\tDTS\tPTS\tRAP\tDiscontinuity\tDTS-PCR Diff\n");
```

Improper Resource Access Authorization\Path 28:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1528
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3519	3519
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void get_file_callback(void *usr_cbk, GF_NETIO_Parameter *parameter)

```
....
3519.                     fprintf(stderr, "download %02d %% at %05d
kpbs\r", (u32) max, bps*8/1000);
```

Improper Resource Access Authorization\Path 29:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1529
Status	New

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3544	3544
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void revert_cache_file(char *item_path)

```
....
3544.           fprintf(stderr, "%s is not a gpac cache file\n",
item_path);
```

Improper Resource Access Authorization\Path 30:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1530
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3588	3588
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method static void revert_cache_file(char *item_path)

```
....
3588.           fprintf(stderr, "Failed to reverse %s cache file\n",
item_path);
```

Improper Resource Access Authorization\Path 31:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1531
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3628	3628

Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3628.        fprintf(stderr, "Downloading %s\n", mpd_src);
```

Improper Resource Access Authorization\Path 32:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1532
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3721	3721
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3721.                            fprintf(stderr, "Downloading %s\n",
seg_url);
```

Improper Resource Access Authorization\Path 33:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1533
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3749	3749
Object	fprintf	fprintf

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method GF_Err rip_mpd(const char *mpd_src, const char *output_dir)

```
....
3749.                           fprintf(stderr, "Downloading %s\n",
seg_url);
```

Improper Resource Access Authorization\Path 34:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1534
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3213	3213
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3213.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 35:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1535
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3218	3218
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3218.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 36:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1536
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3226	3226
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3226.                    fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 37:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1537
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3232	3232
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3232.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 38:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1538
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3237	3237
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3237.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 39:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1539
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3242	3242
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3242.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, 0);
```

Improper Resource Access Authorization\Path 40:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1540
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3266	3266
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3266.                   fprintf(dumper->timestamps_info_file,
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 41:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1541
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3274	3274
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3274.                   fprintf(dumper->timestamps_info_file, 
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 42:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1542
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3282	3282
Object	fprintf	fprintf

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3282.                   fprintf(dumper->timestamps_info_file, 
"%u\t%d\n", ts->pck_number, prog->pmt_pid);
```

Improper Resource Access Authorization\Path 43:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1543
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3339	3339
Object	fprintf	fprintf

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c

Method static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3339.                          fprintf(dumper->timestamps_info_file,
"%u\t%d\t", pck->stream->pes_start_packet_number, pck->stream->pid);
```

Improper Resource Access Authorization\Path 44:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1544
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3340	3340
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3340.                          if (interpolated_pcr_value)
fprintf(dumper->timestamps_info_file, "%f",
interpolated_pcr_value/(300.0 * 90000));
```

Improper Resource Access Authorization\Path 45:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1545
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3341	3341
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3341.                           fprintf(dumper->timestamps_info_file,
"\t");
```

Improper Resource Access Authorization\Path 46:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1546
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3342	3342
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3342.                           if (pck->DTS) fprintf(dumper-
>timestamps_info_file, "%f", (pck->DTS / 90000.0));
```

Improper Resource Access Authorization\Path 47:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1547
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3343	3343
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3343.                         fprintf(dumper->timestamps_info_file,
"\t%f\t%d\t%d", pck->PTS / 90000.0, (pck->flags & GF_M2TS_PES_PCK_RAP) ?
1 : 0, (pck->flags & GF_M2TS_PES_PCK_DISCONTINUITY) ? 1 : 0);
```

Improper Resource Access Authorization\Path 48:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1548
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3347	3347
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3347.                               fprintf(dumper-
>timestamps_info_file, "\t%f\n", diff);
```

Improper Resource Access Authorization\Path 49:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1549
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3348	3348
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3348.                                    if (diff<0) fprintf(stderr,
"Warning: detected PTS/DTS value less than current PCR of %g sec\n",
diff);
```

Improper Resource Access Authorization\Path 50:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1550
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3350	3350
Object	fprintf	fprintf

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method	static void on_m2ts_dump_event(GF_M2TS_Demuxer *ts, u32 evt_type, void *par)

```
....
3350.                                    fprintf(dumper-
>timestamps_info_file, "\t\n");
```

Potential Precision Problem

Query 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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1164
Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3430	3430
Object	"%s_%d.raw"	"%s_%d.raw"

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.               sprintf(dumper.dump, "%s_%d.raw", out_name,
dumper.dump_pid);
```

Potential Precision Problem\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1165
Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Line	3467	3467
Object	"%s_prog_%d_timestamps.txt"	"%s_prog_%d_timestamps.txt"

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2020-23932-FP.c
Method	void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.           sprintf(dumper.timestamps_info_name,
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Potential Precision Problem\Path 3:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1166
Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3430	3430
Object	"%s_%d.raw"	"%s_%d.raw"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.                 sprintf(dumper.dump, "%s_%d.raw", out_name,
dumper.dump_pid);
```

Potential Precision Problem\Path 4:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1167
Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Line	3467	3467
Object	"%s_prog_%d_timestamps.txt"	"%s_prog_%d_timestamps.txt"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32136-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.             sprintf(dumper.timestamps_info_name,
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Potential Precision Problem\Path 5:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1168

Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_%d.raw", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3430	3430
Object	"%s_%d.raw"	"%s_%d.raw"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3430.                   sprintf(dumper.dump, "%s_%d.raw", out_name,
dumper.dump_pid);
```

Potential Precision Problem\Path 6:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1169
Status	New

The size of the buffer used by dump_mpeg2_ts in "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that dump_mpeg2_ts passes to "%s_prog_%d_timestamps.txt", at line 3398 of gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Line	3467	3467
Object	"%s_prog_%d_timestamps.txt"	"%s_prog_%d_timestamps.txt"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32138-TP.c
Method void dump_mpeg2_ts(char *mpeg2ts_file, char *out_name, Bool prog_num)

```
....
3467.             sprintf(dumper.timestamps_info_name,
"%s_prog_%d_timestamps.txt", mpeg2ts_file, prog_num/*, mpeg2ts_file*/);
```

Potential Precision Problem\Path 7:

Severity	Low

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1170
Status	New

The size of the buffer used by gf_media_export_isom in "%s%s", at line 526 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_media_export_isom passes to "%s%s", at line 526 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	552	552
Object	"%s%s"	"%s%s"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_isom(GF_MediaExporter *dumper)

```
....
552.            sprintf(szName, "%s%s", dumper->out_name, ext ? ext :
".mp4");
```

Potential Precision Problem\Path 8:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1171
Status	New

The size of the buffer used by gf_media_export_webvtt_metadata in "%s.media", at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_media_export_webvtt_metadata passes to "%s.media", at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	625	625
Object	"%s.media"	"%s.media"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_webvtt_metadata(GF_MediaExporter *dumper)

```
....
625.            sprintf(szMedia, "%s.media", dumper->out_name);
```

Potential Precision Problem\Path 9:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1172
Status	New

The size of the buffer used by gf_media_export_webvtt_metadata in "%s.vtt", at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_media_export_webvtt_metadata passes to "%s.vtt", at line 599 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	633	633
Object	"%s.vtt"	"%s.vtt"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_webvtt_metadata(GF_MediaExporter *dumper)

```
....
633.        sprintf(szName, "%s.vtt", dumper->out_name);
```

Potential Precision Problem\Path 10:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1173
Status	New

The size of the buffer used by gf_media_export_six in "%s.media", at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_media_export_six passes to "%s.media", at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	854	854
Object	"%s.media"	"%s.media"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_six(GF_MediaExporter *dumper)

```
....
854.        sprintf(szMedia, "%s.media", dumper->out_name);
```

Potential Precision Problem\Path 11:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1174
Status	New

The size of the buffer used by gf_media_export_six in "%s.six", at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that gf_media_export_six passes to "%s.six", at line 829 of gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Line	861	861
Object	"%s.six"	"%s.six"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32438-TP.c
Method GF_Err gf_media_export_six(GF_MediaExporter *dumper)

```
....
861.        sprintf(szName, "%s.six", dumper->out_name);
```

Potential Precision Problem\Path 12:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1175
Status	New

The size of the buffer used by naludmx_process in "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_process passes to "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	3027	3027
Object	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
3027.                sprintf(szStatus, "%s %dx%d % 10d NALU % 8d I % 8d P %
8d B % 8d SEI", ctx->is_hevc ? "HEVC":"AVC|H264", ctx->width, ctx-
>height, ctx->nb_nalus, ctx->nb_i, ctx->nb_p, ctx->nb_b, ctx->nb_sei);
```

Potential Precision Problem\Path 13:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1176
Status	New

The size of the buffer used by naludmx_process in "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_process passes to "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	3027	3027
Object	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method GF_Err naludmx_process(GF_Filter *filter)

```
....
3027.                sprintf(szStatus, "%s %dx%d % 10d NALU % 8d I % 8d P %
8d B % 8d SEI", ctx->is_hevc ? "HEVC":"AVC|H264", ctx->width, ctx-
>height, ctx->nb_nalus, ctx->nb_i, ctx->nb_p, ctx->nb_b, ctx->nb_sei);
```

Potential Precision Problem\Path 14:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1177
Status	New

The size of the buffer used by nhmldump_send_header in "<%s version=\"1.0\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "<%s version=\"1.0\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Line	355	355
Object	"<%s version=\"1.0\" "	"<%s version=\"1.0\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
355.        sprintf(nhml, "<%s version=\"1.0\" ", ctx->szRootName);
```

Potential Precision Problem\Path 15:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1178
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	359	359
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
359.        NHML_PRINT_UINT(GF_PROP_PID_ID, NULL, "trackID")
```

Potential Precision Problem\Path 16:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1179
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-	gpac@@gpac-v1.0.1-CVE-2022-26967-

	TP.c	TP.c
Line	360	360
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
360.        NHML_PRINT_UINT(GF_PROP_PID_TIMESCALE, NULL, "timeScale")
```

Potential Precision Problem\Path 17:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1180
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	374	374
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
374.                        sprintf(nhml, "%s=\"%s\" ", "mediaType",
gf_4cc_to_str(p->value.uint));
```

Potential Precision Problem\Path 18:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1181
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	377	377
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
377.                    NHML_PRINT_4CC(GF_PROP_PID_ISOM_SUBTYPE, 
"mediaSubType", "mediaSubType")
```

Potential Precision Problem\Path 19:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1182
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	379	379
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
379.                    NHML_PRINT_4CC(GF_PROP_PID_CODECID, NULL, 
"codecID")
```

Potential Precision Problem\Path 20:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1183
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	406	406
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
406.        NHML_PRINT_4CC(0, "codec_vendor", "codecVendor")
```

Potential Precision Problem\Path 21:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1184
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	407	407
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
407.        NHML_PRINT_UINT(0, "codec_version", "codecVersion")
```

Potential Precision Problem\Path 22:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1185
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	408	408
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
408.        NHML_PRINT_UINT(0, "codec_revision", "codecRevision")
```

Potential Precision Problem\Path 23:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1186
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	409	409
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
409.        NHML_PRINT_STRING(0, "compressor_name", "compressorName")
```

Potential Precision Problem\Path 24:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1187

Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	410	410
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
410.        NHML_PRINT_UINT(0, "temporal_quality", "temporalQuality")
```

Potential Precision Problem\Path 25:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1188
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	411	411
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
411.        NHML_PRINT_UINT(0, "spatial_quality", "spatialQuality")
```

Potential Precision Problem\Path 26:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18

	&pathid=1189
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	412	412
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
412.         NHML_PRINT_UINT(0, "hres", "horizontalResolution")
```

Potential Precision Problem\Path 27:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1190
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	413	413
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
413.         NHML_PRINT_UINT(0, "vres", "verticalResolution")
```

Potential Precision Problem\Path 28:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1191
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	414	414
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
414.          NHML_PRINT_UINT(GF_PROP_PID_BIT_DEPTH_Y, NULL, "bitDepth")
```

Potential Precision Problem\Path 29:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1192
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	416	416
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
416.          NHML_PRINT_STRING(0, "meta:xmlns", "xml_namespace")
```

Potential Precision Problem\Path 30:

Severity	Low
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1193
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	417	417
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
417.         NHML_PRINT_STRING(0, "meta:schemaloc",
"xml_schema_location")
```

Potential Precision Problem\Path 31:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1194
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	418	418
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
418.         NHML_PRINT_STRING(0, "meta:mime", "mime_type")
```

Potential Precision Problem\Path 32:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1195
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	420	420
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
420.        NHML_PRINT_STRING(0, "meta:config", "config")
```

Potential Precision Problem\Path 33:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1196
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	421	421
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
421.        NHML_PRINT_STRING(0, "meta:aux_mimes", "aux_mime_type")
```

Potential Precision Problem\Path 34:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1197
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	429	429
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
429.                NHML_PRINT_UINT(0, "dims:profile", "profile")
```

Potential Precision Problem\Path 35:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1198
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	430	430
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
430.                NHML_PRINT_UINT(0, "dims:level", "level")
```

Potential Precision Problem\Path 36:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1199
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	431	431
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
431.                NHML_PRINT_UINT(0, "dims:pathComponents",
"pathComponents")
```

Potential Precision Problem\Path 37:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1200
Status	New

The size of the buffer used by nhmldump_send_header in "useFullRequestHost=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "useFullRequestHost=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	435	435
Object	"useFullRequestHost=\"%s\" "	"useFullRequestHost=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
435.                        sprintf(nhml, "useFullRequestHost=\"%s\" ", p-
>value.boolean ? "yes" : "no");
```

Potential Precision Problem\Path 38:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1201
Status	New

The size of the buffer used by nhmldump_send_header in "stream_type=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "stream_type=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	440	440
Object	"stream_type=\"%s\" "	"stream_type=\"%s\" "

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
440.                        sprintf(nhml, "stream_type=\"%s\" ", p-
>value.boolean ? "primary" : "secondary");
```

Potential Precision Problem\Path 39:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1202
Status	New

The size of the buffer used by nhmldump_send_header in "contains_redundant=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "contains_redundant=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	445	445
Object	"contains_redundant=\"%s\" "	"contains_redundant=\"%s\" "

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
445.                    sprintf(nhml, "contains_redundant=\"%s\" ", (p-
>value.uint==1) ? "main" : ((p->value.uint==1) ? "redundant" :
"main+redundant") );
```

Potential Precision Problem\Path 40:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1203
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%d\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	448	448
Object	"%s=\"%d\" "	"%s=\"%d\" "

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
448.                NHML_PRINT_UINT(0, "dims:scriptTypes", "scriptTypes")
```

Potential Precision Problem\Path 41:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1204
Status	New

The size of the buffer used by nhmldump_send_header in "specificInfoFile=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "specificInfoFile=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-	gpac@@gpac-v1.0.1-CVE-2022-26967-

	TP.c	TP.c
Line	453	453
Object	"specificInfoFile=\"%s\" "	"specificInfoFile=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
453.                sprintf(nhml, "specificInfoFile=\"%s\" ",
gf_file_basename(ctx->info_file) );
```

Potential Precision Problem\Path 42:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1205
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	462	462
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
462.        NHML_PRINT_STRING(0, "meta:encoding", "encoding")
```

Potential Precision Problem\Path 43:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1206
Status	New

The size of the buffer used by nhmldump_send_header in "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "%s=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	463	463
Object	"%s=\"%s\" "	"%s=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
463.         NHML_PRINT_STRING(0, "meta:contentEncoding",
"content_encoding")
```

Potential Precision Problem\Path 44:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1207
Status	New

The size of the buffer used by nhmldump_send_header in "baseMediaFile=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_header passes to "baseMediaFile=\"%s\" ", at line 336 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	473	473
Object	"baseMediaFile=\"%s\" "	"baseMediaFile=\"%s\" "

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_send_header(GF_NHMLDumpCtx *ctx)

```
....
473.                sprintf(nhml, "baseMediaFile=\"%s\" ",
gf_file_basename(ctx->media_file) );
```

Potential Precision Problem\Path 45:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1208
Status	New

The size of the buffer used by nhmldump_pck_property in "%s=\"", at line 608 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_pck_property passes to "%s=\"", at line 608 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	615	615
Object	"%s=\""	"%s=\""

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_pck_property(GF_NHMLDumpCtx *ctx, u32 p4cc, const char *pname, const GF_PropertyValue *att)

```
....
615.        sprintf(nhml, "%s=\"", pname ? pname : gf_4cc_to_str(p4cc));
```

Potential Precision Problem\Path 46:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1209
Status	New

The size of the buffer used by nhmldump_pck_property in "%s", at line 608 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_pck_property passes to "%s", at line 608 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	631	631
Object	"%s"	"%s"

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method static void nhmldump_pck_property(GF_NHMLDumpCtx *ctx, u32 p4cc, const char *pname, const GF_PropertyValue *att)

```
....
631.            sprintf(nhml, "%s", gf_props_dump_val(att, pval,
GF_FALSE, NULL) );
```

Potential Precision Problem\Path 47:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1210
Status	New

The size of the buffer used by nhmldump_send_frame in "SAPType=\"4\" %s=\"%d\" ", at line 639 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_send_frame passes to "SAPType=\"4\" %s=\"%d\" ", at line 639 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	671	671
Object	"SAPType=\"4\" %s=\"%d\" "	"SAPType=\"4\" %s=\"%d\" "

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Method static void nhmldump_send_frame(GF_NHMLDumpCtx *ctx, char *data, u32 data_size, GF_FilterPacket *pck)

```
....
671.                    sprintf(nhml, "SAPType=\"4\" %s=\"%d\" ",
(sap==GF_FILTER_SAP_4_PROL) ? "prol" : "roll", roll);
```

Potential Precision Problem\Path 48:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1211
Status	New

The size of the buffer used by nhmldump_process in "\n", at line 818 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that nhmldump_process passes to "\n", at line 818 of gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	836	836
Object	"</%s>\n"	"</%s>\n"

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Method GF_Err nhmldump_process(GF_Filter *filter)

```
....
836.                        sprintf(nhml, "</%s>\n", ctx->szRootName);
```

Potential Precision Problem\Path 49:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1212
Status	New

The size of the buffer used by xmt_resolve_od_links in "od:%d#%s", at line 427 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that xmt_resolve_od_links passes to "od:%d#%s", at line 427 of gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	585	585
Object	"od:%d#%s"	"od:%d#%s"

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method	static void xmt_resolve_od_links(GF_XMTParser *parser)

```
....
585.                                          sprintf(szURL, "od:%d#%s", l-
>od->objectDescriptorID, seg+1);
```

Potential Precision Problem\Path 50:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1213
Status	New

The size of the buffer used by naludmx_process in "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c, is not properly verified before writing data to the buffer. This can enable a buffer overflow attack, using the source buffer that naludmx_process passes to "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", at line 2087 of gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c, to overwrite the target buffer.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	3027	3027
Object	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"	"%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI"

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method	GF_Err naludmx_process(GF_Filter *filter)

```
....
3027.               sprintf(szStatus, "%s %dx%d % 10d NALU % 8d I % 8d P % 8d B % 8d SEI", ctx->is_hevc ? "HEVC":"AVC|H264", ctx->width, ctx->height, ctx->nb_nalus, ctx->nb_i, ctx->nb_p, ctx->nb_b, ctx->nb_sei);
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1216
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c	gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c
Line	165	165
Object	dataSize	dataSize

Code Snippet
File Name	gpac@@gpac-v1.0.1-CVE-2020-19488-FP.c
Method	GF_Err ilst_item_box_read(GF_Box *s,GF_BitStream *bs)

```
....
165.                ptr->data->data[ptr->data->dataSize] = 0;
```

Unchecked Array Index\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1217
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	870	870
Object	count	count

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
870.                                             new_idx[count] = j + 1;
```

Unchecked Array Index\Path 3:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1218
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	880	880
Object	count	count

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
880.                                    new_idx[count] =
gf_list_count(new_sgdesc->group_descriptions);
```

Unchecked Array Index\Path 4:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1219
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c
Line	384	384
Object	i	i

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c

Method	GF_Err text_box_read(GF_Box *s, GF_BitStream *bs)

```
....
384.                              ptr->textName[i] = c;
```

Unchecked Array Index\Path 5:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1220
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c
Line	398	398
Object	i	i

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-32139-TP.c
Method	GF_Err text_box_read(GF_Box *s, GF_BitStream *bs)

```
....
398.                  ptr->textName[i] = '\0';                         /*Font
name*/
```

Unchecked Array Index\Path 6:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1221
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	799	799
Object	num_layers_dependent_on	num_layers_dependent_on

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method	GF_Err naludmx_set_hevc_oinf(GF_NALUDmxCtx *ctx, u8 *max_temporal_id)

```
....
799.                              dep->dependent_on_layerID[dep-
>num_layers_dependent_on] = j;
```

Unchecked Array Index\Path 7:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1222
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	799	799
Object	num_layers_dependent_on	num_layers_dependent_on

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method	GF_Err naludmx_set_hevc_oinf(GF_NALUDmxCtx *ctx, u8 *max_temporal_id)

```
....
799.                             dep->dependent_on_layerID[dep-
>num_layers_dependent_on] = j;
```

Unchecked Array Index\Path 8:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1223
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	249	249
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
249.                                   szLineConv[j] = 0xc0 | ( (szLine[i]
>> 6) & 0x3 );
```

Unchecked Array Index\Path 9:

Severity	Low
Result State	To Verify

Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1224
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	255	255
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
255.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 10:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1225
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	261	261
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
261.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 11:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1226
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	264	264
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
264.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 12:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1227
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	270	270
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
270.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 13:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1228
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c

Line	273	273
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
273.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 14:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1229
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	276	276
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
276.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 15:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1230
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	284	284
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
284.                        szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 16:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1231
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	287	287
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
287.                  szLineConv[j] = 0;
```

Unchecked Array Index\Path 17:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1232
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Line	735	735
Object	alen	alen

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-40574-TP.c
Method	static GF_Err txtin_process_srt(GF_Filter *filter, GF_TXTIn *ctx)

```
....
735.                                szLine[alen] = 0;
```

Unchecked Array Index\Path 18:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1233
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c
Line	384	384
Object	i	i

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c

Method GF_Err text_box_read(GF_Box *s, GF_BitStream *bs)

```
....
384.                          ptr->textName[i] = c;
```

Unchecked Array Index\Path 19:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1234
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c	gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c
Line	398	398
Object	i	i

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-1441-FP.c

Method GF_Err text_box_read(GF_Box *s, GF_BitStream *bs)

```
....
398.              ptr->textName[i] = '\0';                       /*Font
name*/
```

Unchecked Array Index\Path 20:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1235
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Line	212	212
Object	count	count

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Method	static GF_Err BM_ParseProtoDelete(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
212.                    com->del_proto_list[count] = gf_bs_read_int(bs,
codec->info->config.ProtoIDBits);
```

Unchecked Array Index\Path 21:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1236
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Line	212	212
Object	count	count

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Method	static GF_Err BM_ParseProtoDelete(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
212.                    com->del_proto_list[count] = gf_bs_read_int(bs,
codec->info->config.ProtoIDBits);
```

Unchecked Array Index\Path 22:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1237
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	83	83
Object	GF_MAX_PATH	GF_MAX_PATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method GF_Err nhmldump_config_side_stream(GF_Filter *filter, GF_NHMLDumpCtx *ctx)

```
....
83.          fileName[GF_MAX_PATH] = 0;
```

Unchecked Array Index\Path 23:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1238
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	93	93
Object	GF_MAX_PATH	GF_MAX_PATH

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method GF_Err nhmldump_config_side_stream(GF_Filter *filter, GF_NHMLDumpCtx *ctx)

```
....
93.                fileName[GF_MAX_PATH] = 0;
```

Unchecked Array Index\Path 24:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1239
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-	gpac@@gpac-v1.0.1-CVE-2022-26967-

	TP.c	TP.c
Line	278	278
Object	GF_MAX_PATH	GF_MAX_PATH

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	GF_Err nhmldump_configure_pid(GF_Filter *filter, GF_FilterPid *pid, Bool is_remove)

```
....
278.                         fileName[GF_MAX_PATH] = 0;
```

Unchecked Array Index\Path 25:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1240
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	768	768
Object	d_size	d_size

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	static void nhmldump_send_frame(GF_NHMLDumpCtx *ctx, char *data, u32 data_size, GF_FilterPacket *pck)

```
....
768.                                     ctx->b64_buffer[d_size] = 0;
```

Unchecked Array Index\Path 26:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1241
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	808	808
Object	k	k

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
808.                            value[k] = str[i];
```

Unchecked Array Index\Path 27:

Severity Low
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1242
Status New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	814	814
Object	k	k

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static u32 xmt_parse_string(GF_XMTParser *parser, const char *name, SFString *val, Bool is_mf, char *a_value)

```
....
814.            value[k] = 0;
```

Unchecked Array Index\Path 28:

Severity Low
Result State To Verify
Online Results http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1243
Status New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	2422	2422
Object	del_proto_list_size	del_proto_list_size

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2422.                                    parser->command-
>del_proto_list[parser->command->del_proto_list_size] = p->ID;
```

Unchecked Array Index\Path 29:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1244
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Line	2513	2513
Object	NbODs	NbODs

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43255-TP.c
Method	static void xmt_parse_command(GF_XMTParser *parser, const char *name, const GF_XMLAttribute *attributes, u32 nb_attributes)

```
....
2513.                                    odR->OD_ID[odR->NbODs] = od_id;
```

Unchecked Array Index\Path 30:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1245
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	799	799
Object	num_layers_dependent_on	num_layers_dependent_on

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method	GF_Err naludmx_set_hevc_oinf(GF_NALUDmxCtx *ctx, u8 *max_temporal_id)

```
....
799.                              dep->dependent_on_layerID[dep-
>num_layers_dependent_on] = j;
```

Unchecked Array Index\Path 31:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1246
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Line	799	799
Object	num_layers_dependent_on	num_layers_dependent_on

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c

Method GF_Err naludmx_set_hevc_oinf(GF_NALUDmxCtx *ctx, u8 *max_temporal_id)

```
....
799.                            dep->dependent_on_layerID[dep-
>num_layers_dependent_on] = j;
```

Unchecked Array Index\Path 32:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1247
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	799	799
Object	num_layers_dependent_on	num_layers_dependent_on

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c

Method GF_Err naludmx_set_hevc_oinf(GF_NALUDmxCtx *ctx, u8 *max_temporal_id)

```
....
799.                            dep->dependent_on_layerID[dep-
>num_layers_dependent_on] = j;
```

Unchecked Array Index\Path 33:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1248
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	249	249
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
249.                                szLineConv[j] = 0xc0 | ( (szLine[i]
>> 6) & 0x3 );
```

Unchecked Array Index\Path 34:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1249
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	255	255
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
255.                                szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 35:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1250
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	261	261
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
261.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 36:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1251
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	264	264
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
264.                                    szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 37:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1252
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c

Line	270	270
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
270.                                          szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 38:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1253
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	273	273
Object	j	j

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
273.                                          szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 39:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1254
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	276	276
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
276.                                        szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 40:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1255
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	284	284
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
284.                          szLineConv[j] = szLine[i];
```

Unchecked Array Index\Path 41:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1256
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	287	287
Object	j	j

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method char *gf_text_get_utf8_line(char *szLine, u32 lineSize, FILE *txt_in, s32 unicode_type)

```
....
287.              szLineConv[j] = 0;
```

Unchecked Array Index\Path 42:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1257
Status	New

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Line	735	735
Object	alen	alen

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-47091-TP.c
Method	static GF_Err txtin_process_srt(GF_Filter *filter, GF_TXTIn *ctx)

```
....
735.                              szLine[alen] = 0;
```

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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1123
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131 is not initialized when it is used by stbl at gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c in line 1131.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Line	1164	1193

Object	null	stbl

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-35980-TP.c
Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                         curWriter = NULL;
....
1193.                         if (curWriter->sampleNumber > curWriter->stbl-
>SampleSize->sampleCount) {
```

NULL Pointer Dereference\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1124
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131 is not initialized when it is used by stbl at gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c in line 1131.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c	gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Line	1164	1193
Object	null	stbl

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2020-35981-TP.c
Method GF_Err DoFullInterleave(MovieWriter *mw, GF_List *writers, GF_BitStream *bs, u8 Emulation, u64 StartOffset)

```
....
1164.                         curWriter = NULL;
....
1193.                         if (curWriter->sampleNumber > curWriter->stbl-
>SampleSize->sampleCount) {
```

NULL Pointer Dereference\Path 3:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1125
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442 is not initialized when it is used by samp_aux_info at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 442.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	946	1085
Object	null	samp_aux_info

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err MergeTrack(GF_TrackBox *trak, GF_TrackFragmentBox *traf, GF_MovieFragmentBox *moof_box, u64 moof_offset, s32 compressed_diff, u64 *cumulated_offset, Bool is_first_merge)

```
....
946.            GF_SampleEncryptionBox *senc = NULL;
....
1085.                   gf_list_add(senc->samp_aux_info, new_sai);
```

NULL Pointer Dereference\Path 4:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1126
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by child_boxes at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1154	1272
Object	null	child_boxes

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1154.       minf = *mdia ? (*mdia)->information : NULL;
....
1272.           gf_list_add(minf->child_boxes, mediaInfo);
```

NULL Pointer Dereference\Path 5:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1127
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by child_boxes at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1154	1271
Object	null	child_boxes

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method	GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1154.       minf = *mdia ? (*mdia)->information : NULL;
....
1271.             if (!minf->child_boxes) minf->child_boxes =
gf_list_new();
```

NULL Pointer Dereference\Path 6:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1128
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by nameUTF8 at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1156	1280
Object	null	nameUTF8

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method	GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1156.       hdlr = *mdia ? (*mdia)->handler : NULL;
....
1280.       if (!hdlr->nameUTF8)
```

NULL Pointer Dereference\Path 7:

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

	PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1129
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by SampleDescription at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1321
Object	null	SampleDescription

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.        stbl = minf ? minf->sampleTable : NULL;
....
1321.        if (!stbl->SampleDescription) {
```

NULL Pointer Dereference\Path 8:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1130
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by TimeToSample at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1317
Object	null	TimeToSample

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.        stbl = minf ? minf->sampleTable : NULL;
....
1317.        if (!stbl->TimeToSample) {
```

NULL Pointer Dereference\Path 9:

Severity	Low

Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1131
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by SampleToChunk at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1313
Object	null	SampleToChunk

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.         stbl = minf ? minf->sampleTable : NULL;
....
1313.         if (!stbl->SampleToChunk) {
```

NULL Pointer Dereference\Path 10:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1132
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by SampleSize at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1309
Object	null	SampleSize

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.         stbl = minf ? minf->sampleTable : NULL;
....
1309.         if (!stbl->SampleSize) {
```

NULL Pointer Dereference\Path 11:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1133
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by ChunkOffset at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1305
Object	null	ChunkOffset

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.        stbl = minf ? minf->sampleTable : NULL;
....
1305.        if (!stbl->ChunkOffset) {
```

NULL Pointer Dereference\Path 12:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1134
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139 is not initialized when it is used by SampleDescription at gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c in line 1139.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Line	1158	1299
Object	null	SampleDescription

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31260-TP.c
Method GF_Err NewMedia(GF_MediaBox **mdia, u32 MediaType, u32 TimeScale)

```
....
1158.        stbl = minf ? minf->sampleTable : NULL;
....
1299.        if (!stbl->SampleDescription) {
```

NULL Pointer Dereference\Path 13:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1135
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c in line 848 is not initialized when it is used by def_name at gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c in line 848.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Line	877	877
Object	null	def_name

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-1795-TP.c
Method	GF_Err BM_SceneReplace(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
877.              ri->def_name = r->name ? gf_strdup(r->name) : NULL;
```

NULL Pointer Dereference\Path 14:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1136
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c in line 848 is not initialized when it is used by def_name at gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c in line 848.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Line	877	877
Object	null	def_name

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24575-TP.c
Method	GF_Err BM_SceneReplace(GF_BifsDecoder *codec, GF_BitStream *bs, GF_List *com_list)

```
....
877.             ri->def_name = r->name ? gf_strdup(r->name) : NULL;
```

NULL Pointer Dereference\Path 15:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1137
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	179	179
Object	null	new_line

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.         parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

NULL Pointer Dereference\Path 16:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1138
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	179	202
Object	null	new_line

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
....
202.        SFS_AddString(&parser, parser.new_line);
```

NULL Pointer Dereference\Path 17:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1139
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163 is not initialized when it is used by string at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 70.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	179	81
Object	null	string

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

File Name	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method	static void SFS_AddString(ScriptParser *parser, char *str)

```
....
81.   strcat(parser->string, str);
```

NULL Pointer Dereference\Path 18:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1140

Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c in line 145.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c	gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Line	179	146
Object	null	new_line

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

File Name gpac@@gpac-v1.0.1-CVE-2022-24578-TP.c
Method static void SFS_Space(ScriptParser *pars) {

```
....
146.        if (pars->new_line) SFS_AddString(pars, " ");
```

NULL Pointer Dereference\Path 19:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1141
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	179	179
Object	null	new_line

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

NULL Pointer Dereference\Path 20:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1142
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	179	202
Object	null	new_line

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
....
202.        SFS_AddString(&parser, parser.new_line);
```

NULL Pointer Dereference\Path 21:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1143
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163 is not initialized when it is used by string at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 70.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	179	81
Object	null	string

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

▼

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	static void SFS_AddString(ScriptParser *parser, char *str)

```
....
81.    strcat(parser->string, str);
```

NULL Pointer Dereference\Path 22:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1144
Status	New

The variable declared in null at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 163 is not initialized when it is used by new_line at gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c in line 145.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Line	179	146
Object	null	new_line

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	GF_Err SFScript_Parse(GF_BifsDecoder *codec, SFScript *script_field, GF_BitStream *bs, GF_Node *n)

```
....
179.        parser.new_line = (char *) (codec->dec_memory_mode ? "\n" :
NULL);
```

▼

File Name	gpac@@gpac-v1.0.1-CVE-2022-3222-TP.c
Method	static void SFS_Space(ScriptParser *pars) {

```
....
146.        if (pars->new_line) SFS_AddString(pars, " ");
```

NULL Pointer Dereference\Path 23:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1145
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 541 is not initialized when it is used by r_LastFoundSample at gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c in line 541.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c	gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Line	580	580
Object	0	r_LastFoundSample

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-31256-TP.c
Method GF_Err stbl_GetSampleShadow(GF_ShadowSyncBox *stsh, u32 *sampleNumber, u32 *syncNum)

```
....
580.        stsh->r_LastFoundSample = ent ? ent->shadowedSampleNumber : 
0;
```

NULL Pointer Dereference\Path 24:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1146
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187 is not initialized when it is used by sr at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	249	249
Object	0	sr

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method GF_Err nhmldump_configure_pid(GF_Filter *filter, GF_FilterPid *pid, Bool is_remove)

```
....
249.        ctx->sr = p ? p->value.uint : 0;
```

NULL Pointer Dereference\Path 25:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1147
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187 is not initialized when it is used by chan at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	251	251
Object	0	chan

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method GF_Err nhmldump_configure_pid(GF_Filter *filter, GF_FilterPid *pid, Bool is_remove)

```
....
251.        ctx->chan = p ? p->value.uint : 0;
```

NULL Pointer Dereference\Path 26:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1148
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187 is not initialized when it is used by w at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	255	255
Object	0	w

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c

Method	GF_Err nhmldump_configure_pid(GF_Filter *filter, GF_FilterPid *pid, Bool is_remove)

```
....
255.        ctx->w = p ? p->value.uint : 0;
```

NULL Pointer Dereference\Path 27:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1149
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187 is not initialized when it is used by h at gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c in line 187.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Line	257	257
Object	0	h

Code Snippet	
File Name	gpac@@gpac-v1.0.1-CVE-2022-26967-TP.c
Method	GF_Err nhmldump_configure_pid(GF_Filter *filter, GF_FilterPid *pid, Bool is_remove)

```
....
257.        ctx->h = p ? p->value.uint : 0;
```

NULL Pointer Dereference\Path 28:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1150
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402 is not initialized when it is used by Marker at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	418	418
Object	0	Marker

Code Snippet

File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_avc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
418.            builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
```

NULL Pointer Dereference\Path 29:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1151
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402 is not initialized when it is used by builder at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	418	431
Object	0	builder

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_avc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
418.            builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
....
431.            builder->OnNewPacket(builder->cbk_obj, &builder-
>rtp_header);
```

NULL Pointer Dereference\Path 30:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1152
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402 is not initialized when it is used by rtp_header at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 402.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	418	431

Object	0	rtp_header

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_avc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
418.                builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
....
431.                builder->OnNewPacket(builder->cbk_obj, &builder-
>rtp_header);
```

NULL Pointer Dereference\Path 31:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1153
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538 is not initialized when it is used by Marker at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	551	551
Object	0	Marker

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_hevc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
551.                builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
```

NULL Pointer Dereference\Path 32:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1154
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538 is not initialized when it is used by rtp_header at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	551	568
Object	0	rtp_header

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_hevc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
551.          builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
....
568.          builder->OnNewPacket(builder->cbk_obj, &builder-
>rtp_header);
```

NULL Pointer Dereference\Path 33:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1155
Status	New

The variable declared in 0 at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538 is not initialized when it is used by builder at gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c in line 538.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c	gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Line	551	568
Object	0	builder

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29537-FP.c
Method GF_Err gp_rtp_builder_do_hevc(GP_RTPPacketizer *builder, u8 *nalu, u32 nalu_size, u8 IsAUEnd, u32 FullAUSize)

```
....
551.          builder->rtp_header.Marker = (do_flush==1) ? 1 : 0;
....
568.          builder->OnNewPacket(builder->cbk_obj, &builder-
>rtp_header);
```

NULL Pointer Dereference\Path 34:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1156
Status	New

The variable declared in pSamp at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1203 is not initialized when it is used by sample_delta at gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c in line 1203.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c	gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Line	1206	1215
Object	pSamp	sample_delta

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-33364-TP.c
Method GF_Err gf_isom_add_subsample_info(GF_SubSampleInformationBox *sub_samples, u32 sampleNumber, u32 subSampleSize, u8 priority, u32 reserved, Bool discardable)

```
....
1206.       GF_SubSampleInfoEntry *pSamp;
....
1215.               if (last_sample + pSamp->sample_delta > sampleNumber)
return GF_NOT_SUPPORTED;
```

NULL Pointer Dereference\Path 35:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1157
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628 is not initialized when it is used by type at gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Line	630	635
Object	pa	type

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40562-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
635.                if (pa->type == nal_type) break;
```

NULL Pointer Dereference\Path 36:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1158
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628 is not initialized when it is used by type at gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c	gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Line	630	635
Object	pa	type

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-40563-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
635.              if (pa->type == nal_type) break;
```

NULL Pointer Dereference\Path 37:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1159
Status	New

The variable declared in pSamp at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1203 is not initialized when it is used by sample_delta at gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c in line 1203.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c	gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Line	1206	1215
Object	pSamp	sample_delta

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-29340-TP.c
Method GF_Err gf_isom_add_subsample_info(GF_SubSampleInformationBox *sub_samples, u32 sampleNumber, u32 subSampleSize, u8 priority, u32 reserved, Bool discardable)

```
....
1206.       GF_SubSampleInfoEntry *pSamp;
....
1215.             if (last_sample + pSamp->sample_delta > sampleNumber)
return GF_NOT_SUPPORTED;
```

NULL Pointer Dereference\Path 38:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1160
Status	New

The variable declared in pSamp at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1203 is not initialized when it is used by sample_delta at gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c in line 1203.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Line	1206	1215
Object	pSamp	sample_delta

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2022-43254-TP.c
Method	GF_Err gf_isom_add_subsample_info(GF_SubSampleInformationBox *sub_samples, u32 sampleNumber, u32 subSampleSize, u8 priority, u32 reserved, Bool discardable)

```
....
1206.       GF_SubSampleInfoEntry *pSamp;
....
1215.             if (last_sample + pSamp->sample_delta > sampleNumber)
return GF_NOT_SUPPORTED;
```

NULL Pointer Dereference\Path 39:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1161
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628 is not initialized when it is used by type at gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Line	630	635

Object	pa	type

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47087-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
635.              if (pa->type == nal_type) break;
```

NULL Pointer Dereference\Path 40:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1162
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628 is not initialized when it is used by type at gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c in line 628.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Line	630	635
Object	pa	type

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47088-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
635.              if (pa->type == nal_type) break;
```

NULL Pointer Dereference\Path 41:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1163
Status	New

The variable declared in pa at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628 is not initialized when it is used by type at gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c in line 628.

	Source	Destination

File	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c	gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Line	630	635
Object	pa	type

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2022-47089-TP.c
Method static void naludmx_hevc_add_param(GF_HEVCConfig *cfg, GF_AVCConfigSlot *sl, u8 nal_type)

```
....
630.        GF_HEVCParamArray *pa = NULL;
....
635.              if (pa->type == nal_type) break;
```

Potential Off by One Error in Loops

Query 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-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1121
Status	New

The buffer allocated by <= in gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c at line 76 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Line	116	116
Object	<=	<=

Code Snippet
File Name gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Method static Bool latm_dmx_sync_frame_bs(GF_BitStream *bs, GF_M4ADecSpecInfo *acfg, u32 *nb_bytes, u8 *buffer, u32 *nb_skipped)

```
....
116.                              for (i=0; i<=numProgram; i++) {
```

Potential Off by One Error in Loops\Path 2:

Severity	Low
Result State	To Verify
Online Results	http://WIN-PTJMSNK3USL/CxWebClient/ViewerMain.aspx?scanid=1000024&projectid=18&pathid=1122
Status	New

The buffer allocated by <= in gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c at line 76 does not correctly account for the actual size of the value, resulting in an incorrect allocation that is off by one.

	Source	Destination
File	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Line	119	119
Object	<=	<=

Code Snippet

File Name	gpac@@gpac-v1.0.1-CVE-2021-30199-FP.c
Method	static Bool latm_dmx_sync_frame_bs(GF_BitStream *bs, GF_M4ADecSpecInfo *acfg, u32 *nb_bytes, u8 *buffer, u32 *nb_skipped)

```
....
119.                                for (j=0; j<=num_lay; j++) {
```

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

- Always perform proper bounds checking before copying buffers or strings.

- Prefer to use safer functions and structures, e.g. safe string classes over `char*`, `strncpy` over `strcpy`, and so on.
- Consistently apply tests for the size of buffers.
- Do not return variable addresses outside the scope of their variables.

Source Code Examples

CPP

Overflowing Buffers

```cpp
const int BUFFER_SIZE = 10;
char buffer[BUFFER_SIZE];

void copyStringToBuffer(char* inputString)
{
    strcpy(buffer, inputString);
}
```

Checked Buffers

```cpp
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));
    }
}
```

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.

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General Recommendations

How to avoid it

- Always perform proper bounds checking before copying buffers or strings.
- Prefer to use safer functions and structures, e.g. safe string classes over `char*`, `strncpy` over `strcpy`, and so on.
- Consistently apply tests for the size of buffers.
- Do not return variable addresses outside the scope of their variables.

Source Code Examples

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

- Always perform proper bounds checking before copying buffers or strings.
- Prefer to use safer functions and structures, e.g. safe string classes over `char*`, `strncpy` over `strcpy`, and so on.
- Consistently apply tests for the size of buffers.
- Do not return variable addresses outside the scope of their variables.

Source Code Examples

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 use-cases 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()

```
int main()
{
        char buf[10];

        printf("Please enter your name: ");
        gets(buf); // veryveryverylongname
        if (buf == ACCEPTED_NAME)
        {
                // Do something
        }
        return 0;
}
```

Safe reading from user

```
int main()
{
      char buf[10];

      printf("Please enter your name: ");
      fgets(buf, sizeof(buf), stdin); //setting the amount of bytes to read
      if (buf == ACCEPTED_NAME)
      {
             //Do something
      }
      return 0;
}
```

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;
}
```

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());
```

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 funciton. 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';
```

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
}
```

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
}
```

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
```

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

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

- Always perform proper bounds checking before copying buffers or strings.
- Prefer to use safer functions and structures, e.g. safe string classes over `char*`, `strncpy` over `strcpy`, and so on.
- Consistently apply tests for the size of buffers.
- Do not return variable addresses outside the scope of their variables.

Source Code Examples

Improper Validation of Array Index

Weakness ID: 129 *(Weakness Base)* **Status:** Draft

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

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 >= 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.

(Good Code)

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 savings.

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

Nature	Type	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	Uncontrolled Memory Allocation	Research Concepts1000
PeerOf	Weakness Base	124	Buffer Underwrite ('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

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 Consequences		
2009-10-29	CWE Content Team	MITRE	Internal
	updated Description, Name, Relationships		
2009-12-28	CWE Content Team	MITRE	Internal
	updated Applicable Platforms, Common Consequences, Observed Examples, Other Notes, Potential Mitigations, Theoretical Notes, Weakness Ordinalities		
2010-02-16	CWE Content Team	MITRE	Internal
	updated Applicable Platforms, Demonstrative Examples, Detection Factors, Likelihood of Exploit, Potential Mitigations, References, Related Attack Patterns, Relationships		
2010-04-05	CWE Content Team	MITRE	Internal
	updated Related Attack Patterns		

Previous Entry Names

Change Date	Previous Entry Name
2009-10-29	Unchecked Array Indexing

BACK TO TOP

Improper Access Control (Authorization)

Weakness ID: 285 *(Weakness Class)* **Status:** Draft

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($Message->{from}) . "<br>\n";
print "Subject: " . encodeHTML($Message->{subject}) . "\n";
print "<hr>\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	Type	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	
13	Subverting Environment Variable Values	

17	Accessing, Modifying or Executing Executable Files
87	Forceful Browsing
39	Manipulating Opaque Client-based Data Tokens
45	Buffer Overflow via Symbolic Links
51	Poison Web Service Registry
59	Session Credential Falsification through Prediction
60	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

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		
2008-08-15		Veracode	External
	Suggested OWASP Top Ten 2004 mapping		
2008-09-08	CWE Content Team	MITRE	Internal
	updated Relationships, Other Notes, Taxonomy Mappings		
2009-01-12	CWE Content Team	MITRE	Internal
	updated Common Consequences, Description, Likelihood of Exploit, Name, Other Notes, Potential Mitigations, References, Relationships		
2009-03-10	CWE Content Team	MITRE	Internal
	updated Potential Mitigations		
2009-05-27	CWE Content Team	MITRE	Internal
	updated Description, Related Attack Patterns		
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 Platforms, Common Consequences, Demonstrative Examples, Detection Factors, Modes of Introduction, Observed Examples, Relationships		
2010-02-16	CWE Content Team	MITRE	Internal
	updated Alternate Terms, Detection Factors, Potential Mitigations, References, Relationships		
2010-04-05	CWE Content Team	MITRE	Internal
	updated Potential Mitigations		

Previous Entry Names

Change Date	Previous Entry Name
2009-01-12	Missing or Inconsistent Access Control

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Scanned Languages

Language	Hash Number	Change Date
CPP	4541647240435660	1/6/2025
Common	0105849645654507	1/6/2025