



## **Fortify Security Report**

Jan 28, 2020

pgupta25

Executive Summary

Issues Overview

On Jan 28, 2020, a source code review was performed over the reportingcompatibility code base. 482 files, 11,574 LOC (Executable) were scanned and reviewed for defects that could lead to potential security vulnerabilities. A total of 40 reviewed findings were uncovered during the analysis.

Issues by Fortify Priority Order

High	23
Critical	17

Recommendations and Conclusions

The Issues Category section provides Fortify recommendations for addressing issues at a generic level. The recommendations for specific fixes can be extrapolated from those generic recommendations by the development group.

## Project Summary

### Code Base Summary

Code location: /srv/openmrs\_code/org/openmrs/module/reportingcompatibility

Number of Files: 482

Lines of Code: 11574

Build Label: <No Build Label>

### Scan Information

Scan time: 13:56

SCA Engine version: 19.1.0.2241

Machine Name: vclv99-89.hpc.ncsu.edu

Username running scan: pgupta25

### Results Certification

Results Certification Valid

Details:

Results Signature:

SCA Analysis Results has Valid signature

Rules Signature:

There were no custom rules used in this scan

### Attack Surface

Attack Surface:

File System:

java.io.FileInputStream.FileInputStream

java.io.FileInputStream.FileInputStream

Private Information:

java.util.Properties.getProperty

System Information:

null.null.null

java.lang.Throwable.getMessage

### Filter Set Summary

Current Enabled Filter Set:

Quick View

Filter Set Details:

Folder Filters:

If [fortify priority order] contains critical Then set folder to Critical

If [fortify priority order] contains high Then set folder to High  
If [fortify priority order] contains medium Then set folder to Medium  
If [fortify priority order] contains low Then set folder to Low  
Visibility Filters:  
If impact is not in range [2.5, 5.0] Then hide issue  
If likelihood is not in range (1.0, 5.0] Then hide issue

Audit Guide Summary

Audit guide not enabled

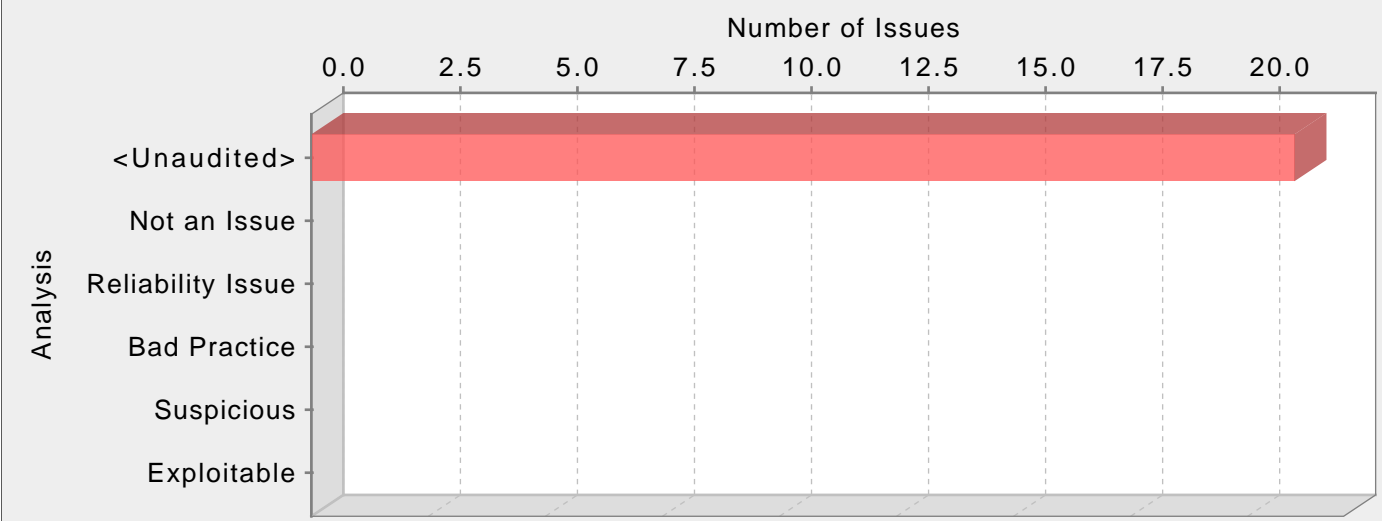
Results Outline

Overall number of results

The scan found 40 issues.

Vulnerability Examples by Category

Category: Log Forging (21 Issues)



Abstract:

The method createCompositionFilter() in CohortSearchHistory.java writes unvalidated user input to the log on line 404. An attacker could take advantage of this behavior to forge log entries or inject malicious content into the log.

Explanation:

Log forging vulnerabilities occur when:

- 1. Data enters an application from an untrusted source.
- 2. The data is written to an application or system log file.

Applications typically use log files to store a history of events or transactions for later review, statistics gathering, or debugging. Depending on the nature of the application, the task of reviewing log files may be performed manually on an as-needed basis or automated with a tool that automatically culls logs for important events or trending information.

Interpretation of the log files may be hindered or misdirected if an attacker can supply data to the application that is subsequently logged verbatim. In the most benign case, an attacker may be able to insert false entries into the log file by providing the application with input that includes appropriate characters. If the log file is processed automatically, the attacker may be able to render the file unusable by corrupting the format of the file or injecting unexpected characters. A more subtle attack might involve skewing the log file statistics. Forged or otherwise, corrupted log files can be used to cover an attacker's tracks or even to implicate another party in the commission of a malicious act [1]. In the worst case, an attacker may inject code or other commands into the log file and take advantage of a vulnerability in the log processing utility [2].

Example 1: The following web application code attempts to read an integer value from a request object. If the value fails to parse as an integer, then the input is logged with an error message indicating what happened.

```
...
String val = request.getParameter("val");
try {
int value = Integer.parseInt(val);
}
catch (NumberFormatException nfe) {
log.info("Failed to parse val = " + val);
}
...
```

If a user submits the string "twenty-one" for val, the following entry is logged:

INFO: Failed to parse val=twenty-one

However, if an attacker submits the string "twenty-one%0a%0aINFO:+User+logged+out%3dbadguy", the following entry is logged:

```
INFO: Failed to parse val=twenty-one
```

```
INFO: User logged out=badguy
```

Clearly, attackers may use this same mechanism to insert arbitrary log entries.

Some think that in the mobile world, classic web application vulnerabilities, such as log forging, do not make sense -- why would the user attack themselves? However, keep in mind that the essence of mobile platforms is applications that are downloaded from various sources and run alongside each other on the same device. The likelihood of running a piece of malware next to a banking application is high, which necessitates expanding the attack surface of mobile applications to include inter-process communication.

Example 2: The following code adapts Example 1 to the Android platform.

```
...
String val = this.getIntent().getExtras().getString("val");
try {
    int value = Integer.parseInt();
}
catch (NumberFormatException nfe) {
    Log.e(TAG, "Failed to parse val = " + val);
}
...
```

### Recommendations:

Prevent log forging attacks with indirection: create a set of legitimate log entries that correspond to different events that must be logged and only log entries from this set. To capture dynamic content, such as users logging out of the system, always use server-controlled values rather than user-supplied data. This ensures that the input provided by the user is never used directly in a log entry.

Example 1 can be rewritten to use a pre-defined log entry that corresponds to a `NumberFormatException` as follows:

```
...
public static final String NFE = "Failed to parse val. The input is required to be an integer value."
...
String val = request.getParameter("val");
try {
    int value = Integer.parseInt(val);
}
catch (NumberFormatException nfe) {
    log.info(NFE);
}
..
```

And here is an Android equivalent:

```
...
public static final String NFE = "Failed to parse val. The input is required to be an integer value."
...
String val = this.getIntent().getExtras().getString("val");
try {
    int value = Integer.parseInt();
}
catch (NumberFormatException nfe) {
    Log.e(TAG, NFE);
}
...
```

In some situations this approach is impractical because the set of legitimate log entries is too large or complicated. In these situations, developers often fall back on blacklisting. Blacklisting selectively rejects or escapes potentially dangerous characters before using the input. However, a list of unsafe characters can quickly become incomplete or outdated. A better approach is to create a whitelist of characters that are allowed to appear in log entries and accept input composed exclusively of characters in the approved set. The most critical character in most log forging attacks is the '\n' (newline) character, which should never appear on a log entry whitelist.

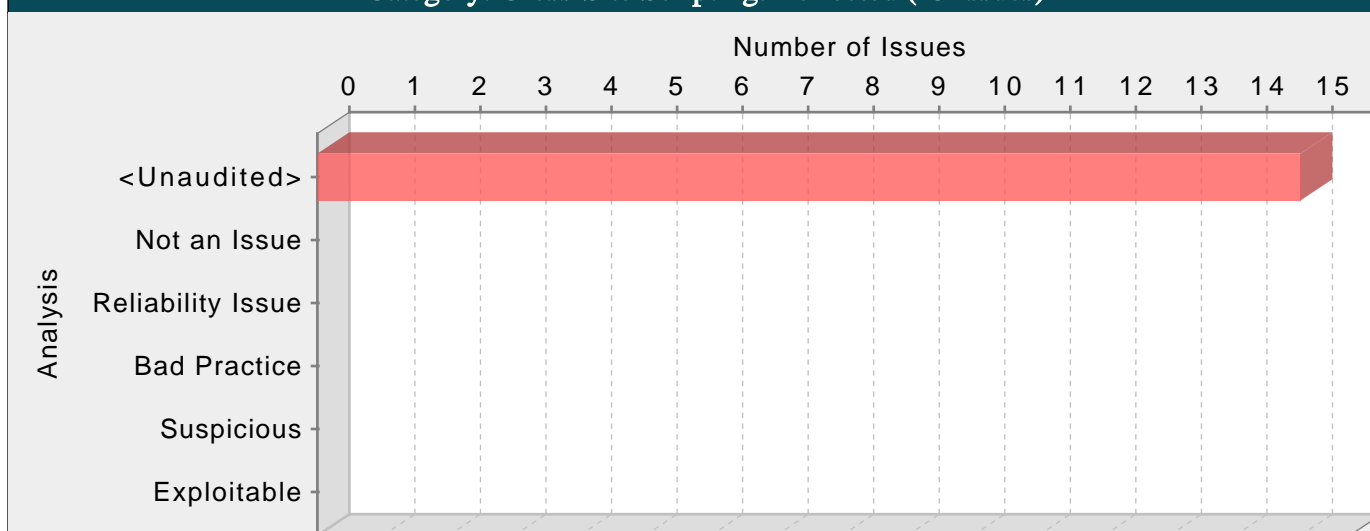
### Tips:

1. Many logging operations are created only for the purpose of debugging a program during development and testing. In our experience, debugging will be enabled, either accidentally or purposefully, in production at some point. Do not excuse log forging vulnerabilities simply because a programmer says "I don't have any plans to turn that on in production".
2. A number of modern web frameworks provide mechanisms to perform user input validation (including Struts and Spring MVC). To highlight the unvalidated sources of input, the Fortify Secure Coding Rulepacks dynamically re-prioritize the issues reported by Fortify Static Code Analyzer by lowering their probability of exploit and providing pointers to the supporting evidence whenever the framework validation mechanism is in use. We refer to this feature as Context-Sensitive Ranking. To further assist the Fortify user with the auditing process, the Fortify Software Security Research group makes available the Data Validation project template that groups the issues into folders based on the validation mechanism applied to their source of input.

### CohortSearchHistory.java, line 404 (Log Forging)

<b>Fortify Priority:</b>	High	<b>Folder</b>	High
<b>Kingdom:</b>	Input Validation and Representation		
<b>Abstract:</b>	The method createCompositionFilter() in CohortSearchHistory.java writes unvalidated user input to the log on line 404. An attacker could take advantage of this behavior to forge log entries or inject malicious content into the log.		
<b>Source:</b>	CohortBuilderController.java:403 javax.servlet.ServletRequest.getParameter()		
401	log.warn("addCohort(id) didn't find " + cohortId);		
402	}		
403	temp = request.getParameter("composition");		
404	if (temp != null) {		
405	PatientSearch ps = history.createCompositionFilter(temp);		
<b>Sink:</b>	CohortSearchHistory.java:404 org.apache.commons.logging.Log.error()		
402	}		
403	catch (Exception ex) {		
404	log.error("Error in description string: " + description, ex);		
405	return null;		
406	}		

## Category: Cross-Site Scripting: Reflected (15 Issues)

**Abstract:**

The method `_jspService()` in `cohortReportForm.jsp` sends unvalidated data to a web browser on line 61, which can result in the browser executing malicious code.

**Explanation:**

Cross-site scripting (XSS) vulnerabilities occur when:

1. Data enters a web application through an untrusted source. In the case of reflected XSS, the untrusted source is typically a web request, while in the case of persisted (also known as stored) XSS it is typically a database or other back-end data store.
2. The data is included in dynamic content that is sent to a web user without being validated.

The malicious content sent to the web browser often takes the form of a segment of JavaScript, but may also include HTML, Flash or any other type of code that the browser executes. The variety of attacks based on XSS is almost limitless, but they commonly include transmitting private data like cookies or other session information to the attacker, redirecting the victim to web content controlled by the attacker, or performing other malicious operations on the user's machine under the guise of the vulnerable site.

Example 1: The following JSP code segment reads an employee ID, `eid`, from an HTTP request and displays it to the user.

```
<% String eid = request.getParameter("eid"); %>
```

```
...
```

```
Employee ID: <%= eid %>
```

The code in this example operates correctly if `eid` contains only standard alphanumeric text. If `eid` has a value that includes meta-characters or source code, then the code will be executed by the web browser as it displays the HTTP response.

Initially this might not appear to be much of a vulnerability. After all, why would someone enter a URL which causes malicious code to run on their own computer? The real danger is that an attacker will create the malicious URL, then use email or social engineering tricks to lure victims into visiting a link to the URL. When victims click the link, they unwittingly reflect the malicious content through the vulnerable web application back to their own computers. This mechanism of exploiting vulnerable web applications is known as Reflected XSS.

Example 2: The following JSP code segment queries a database for an employee with a given ID and prints the corresponding employee's name.

```
<%...
```

```
Statement stmt = conn.createStatement();
```

```
ResultSet rs = stmt.executeQuery("select * from emp where id="+eid);
```

```
if (rs != null) {
```

```
rs.next();
```

```
String name = rs.getString("name");
```

```
}
```

```
%>
```

```
Employee Name: <%= name %>
```



As in Example 1, this code functions correctly when the values of name are well-behaved, but it does nothing to prevent exploits if they are not. Again, this code can appear less dangerous because the value of name is read from a database, whose contents are apparently managed by the application. However, if the value of name originates from user-supplied data, then the database can be a conduit for malicious content. Without proper input validation on all data stored in the database, an attacker may execute malicious commands in the user's web browser. This type of exploit, known as Persistent (or Stored) XSS, is particularly insidious because the indirection caused by the data store makes it more difficult to identify the threat and increases the possibility that the attack will affect multiple users. XSS got its start in this form with web sites that offered a "guestbook" to visitors. Attackers would include JavaScript in their guestbook entries, and all subsequent visitors to the guestbook page would execute the malicious code.

Some think that in the mobile world, classic web application vulnerabilities, such as cross-site scripting, do not make sense -- why would the user attack themselves? However, keep in mind that the essence of mobile platforms is applications that are downloaded from various sources and run alongside each other on the same device. The likelihood of running a piece of malware next to a banking application is high, which necessitates expanding the attack surface of mobile applications to include inter-process communication.

Example 3: The following code enables JavaScript in Android's WebView (by default, JavaScript is disabled) and loads a page based on the value received from an Android intent.

```
...
WebView webview = (WebView) findViewById(R.id.webview);
webview.getSettings().setJavaScriptEnabled(true);
String url = this.getIntent().getExtras().getString("url");
webview.loadUrl(url);
...
```

If the value of url starts with javascript:, JavaScript code that follows will execute within the context of the web page inside WebView.

As the examples demonstrate, XSS vulnerabilities are caused by code that includes unvalidated data in an HTTP response. There are three vectors by which an XSS attack can reach a victim:

- As in Example 1, data is read directly from the HTTP request and reflected back in the HTTP response. Reflected XSS exploits occur when an attacker causes a user to supply dangerous content to a vulnerable web application, which is then reflected back to the user and executed by the web browser. The most common mechanism for delivering malicious content is to include it as a parameter in a URL that is posted publicly or emailed directly to victims. URLs constructed in this manner constitute the core of many phishing schemes, whereby an attacker convinces victims to visit a URL that refers to a vulnerable site. After the site reflects the attacker's content back to the user, the content is executed and proceeds to transfer private information, such as cookies that may include session information, from the user's machine to the attacker or perform other nefarious activities.

- As in Example 2, the application stores dangerous data in a database or other trusted data store. The dangerous data is subsequently read back into the application and included in dynamic content. Persistent XSS exploits occur when an attacker injects dangerous content into a data store that is later read and included in dynamic content. From an attacker's perspective, the optimal place to inject malicious content is in an area that is displayed to either many users or particularly interesting users. Interesting users typically have elevated privileges in the application or interact with sensitive data that is valuable to the attacker. If one of these users executes malicious content, the attacker may be able to perform privileged operations on behalf of the user or gain access to sensitive data belonging to the user.

- As in Example 3, a source outside the application stores dangerous data in a database or other data store, and the dangerous data is subsequently read back into the application as trusted data and included in dynamic content.

A number of modern web frameworks provide mechanisms to perform user input validation (including Struts and Spring MVC). To highlight the unvalidated sources of input, the rulepacks dynamically re-prioritize the issues reported by Fortify Static Code Analyzer by lowering their probability of exploit and providing pointers to the supporting evidence whenever the framework validation mechanism is in use. We refer to this feature as Context-Sensitive Ranking. To further assist the Fortify user with the auditing process, the Fortify Software Security Research group makes available the Data Validation project template that groups the issues into folders based on the validation mechanism applied to their source of input.

## Recommendations:

The solution to XSS is to ensure that validation occurs in the correct places and checks are made for the correct properties.

Since XSS vulnerabilities occur when an application includes malicious data in its output, one logical approach is to validate data immediately before it leaves the application. However, because web applications often have complex and intricate code for generating dynamic content, this method is prone to errors of omission (missing validation). An effective way to mitigate this risk is to also perform input validation for XSS.

Web applications must validate their input to prevent other vulnerabilities, such as SQL injection, so augmenting an application's existing input validation mechanism to include checks for XSS is generally relatively easy. Despite its value, input validation for XSS does not take the place of rigorous output validation. An application may accept input through a shared data store or other trusted source, and that data store may accept input from a source that does not perform adequate input validation. Therefore, the application cannot implicitly rely on the safety of this or any other data. This means the best way to prevent XSS vulnerabilities is to validate everything that enters the application and leaves the application destined for the user.

The most secure approach to validation for XSS is to create a whitelist of safe characters that are allowed to appear in HTTP content and accept input composed exclusively of characters in the approved set. For example, a valid username might only include alpha-numeric characters or a phone number might only include digits 0-9. However, this solution is often infeasible in web applications because many characters that have special meaning to the browser should still be considered valid input once they are encoded, such as a web design bulletin board that must accept HTML fragments from its users.

A more flexible, but less secure approach is known as blacklisting, which selectively rejects or escapes potentially dangerous characters before using the input. In order to form such a list, you first need to understand the set of characters that hold special meaning for web browsers. Although the HTML standard defines what characters have special meaning, many web browsers try to correct common mistakes in HTML and may treat other characters as special in certain contexts, which is why we do not encourage the use of blacklists as a means to prevent XSS. The CERT(R) Coordination Center at the Software Engineering Institute at Carnegie Mellon University provides the following details about special characters in various contexts [1]:

In the content of a block-level element (in the middle of a paragraph of text):

- "<" is special because it introduces a tag.
- "&" is special because it introduces a character entity.
- ">" is special because some browsers treat it as special, on the assumption that the author of the page intended to include an opening "<", but omitted it in error.

The following principles apply to attribute values:

- In attribute values enclosed with double quotes, the double quotes are special because they mark the end of the attribute value.
- In attribute values enclosed with single quote, the single quotes are special because they mark the end of the attribute value.
- In attribute values without any quotes, white-space characters, such as space and tab, are special.
- "&" is special when used with certain attributes, because it introduces a character entity.

In URLs, for example, a search engine might provide a link within the results page that the user can click to re-run the search. This can be implemented by encoding the search query inside the URL, which introduces additional special characters:

- Space, tab, and new line are special because they mark the end of the URL.
- "&" is special because it either introduces a character entity or separates CGI parameters.
- Non-ASCII characters (that is, everything greater than 127 in the ISO-8859-1 encoding) are not allowed in URLs, so they are considered to be special in this context.
- The "%" symbol must be filtered from input anywhere parameters encoded with HTTP escape sequences are decoded by server-side code. For example, "%" must be filtered if input such as "%68%65%6C%6C%6F" becomes "hello" when it appears on the web page in question.

Within the body of a <SCRIPT> </SCRIPT>:

- Semicolons, parentheses, curly braces, and new line characters should be filtered out in situations where text could be inserted directly into a pre-existing script tag.

Server-side scripts:

- Server-side scripts that convert any exclamation characters (!) in input to double-quote characters (") on output might require additional filtering.

Other possibilities:

- If an attacker submits a request in UTF-7, the special character '<' appears as '+ADw-' and may bypass filtering. If the output is included in a page that does not explicitly specify an encoding format, then some browsers try to intelligently identify the encoding based on the content (in this case, UTF-7).

After you identify the correct points in an application to perform validation for XSS attacks and what special characters the validation should consider, the next challenge is to identify how your validation handles special characters. If special characters are not considered valid input to the application, then you can reject any input that contains special characters as invalid. A second option in this situation is to remove special characters with filtering. However, filtering has the side effect of changing any visual representation of the filtered content and may be unacceptable in circumstances where the integrity of the input must be preserved for display.

If input containing special characters must be accepted and displayed accurately, validation must encode any special characters to remove their significance. A complete list of ISO 8859-1 encoded values for special characters is provided as part of the official HTML specification [2].

Many application servers attempt to limit an application's exposure to cross-site scripting vulnerabilities by providing implementations for the functions responsible for setting certain specific HTTP response content that perform validation for the characters essential to a cross-site scripting attack. Do not rely on the server running your application to make it secure. When an application is developed there are no guarantees about what application servers it will run on during its lifetime. As standards and known exploits evolve, there are no guarantees that application servers will also stay in sync.

## Tips:

1. The Fortify Secure Coding Rulepacks warn about SQL Injection and Access Control: Database issues when untrusted data is written to a database and also treat the database as a source of untrusted data, which can lead to XSS vulnerabilities. If the database is a trusted resource in your environment, use custom filters to filter out dataflow issues that include the DATABASE taint flag or originate from database sources. Nonetheless, it is often still a good idea to validate everything read from the database.

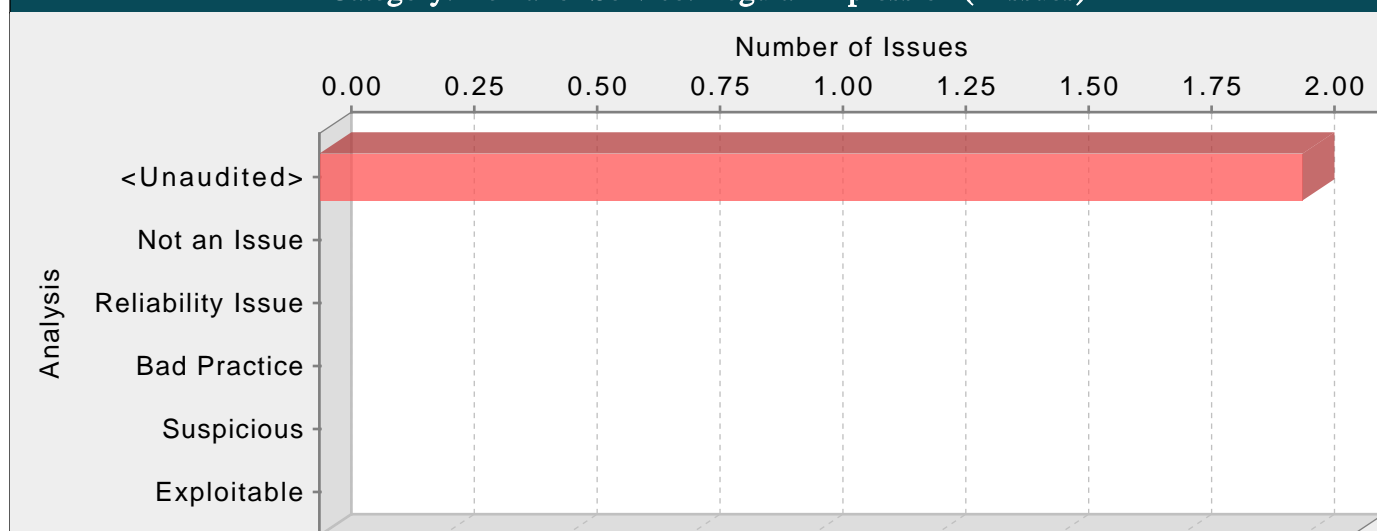
2. Even though URL encoding untrusted data protects against many XSS attacks, some browsers (specifically, Internet Explorer 6 and 7 and possibly others) automatically decode content at certain locations within the Document Object Model (DOM) prior to passing it to the JavaScript interpreter. To reflect this danger, the rulepacks no longer treat URL encoding routines as sufficient to protect against cross-site scripting. Data values that are URL encoded and subsequently output will cause Fortify to report Cross-Site Scripting: Poor Validation vulnerabilities.

3. Fortify RTA adds protection against this category.

### cohortReportForm.jsp, line 61 (Cross-Site Scripting: Reflected)

<b>Fortify Priority:</b>	Critical	<b>Folder</b>	Critical
<b>Kingdom:</b>	Input Validation and Representation		
<b>Abstract:</b>	The method _jspService() in cohortReportForm.jsp sends unvalidated data to a web browser on line 61, which can result in the browser executing malicious code.		
<b>Source:</b>	cohortReportForm.jsp:61 javax.servlet.ServletRequest.getParameter()		
59	<code>&lt;c:forEach var="clazz" items="\${parameterClasses}"&gt;</code>		
60	<code>opt = document.createElement("option");</code>		
61	<code>&lt;c:if test="\${param.clazz == clazz}"&gt;</code>		
62	<code>opt.setAttribute("selected", "true");</code>		
63	<code>&lt;/c:if&gt;</code>		
<b>Sink:</b>	cohortReportForm.jsp:61 javax.servlet.jsp.JspWriter.print()		
59	<code>&lt;c:forEach var="clazz" items="\${parameterClasses}"&gt;</code>		
60	<code>opt = document.createElement("option");</code>		
61	<code>&lt;c:if test="\${param.clazz == clazz}"&gt;</code>		
62	<code>opt.setAttribute("selected", "true");</code>		
63	<code>&lt;/c:if&gt;</code>		

## Category: Denial of Service: Regular Expression (2 Issues)

**Abstract:**

Untrusted data is passed to the application and used as a regular expression. This can cause the thread to overconsume CPU resources.

**Explanation:**

There is a vulnerability in implementations of regular expression evaluators and related methods that can cause the thread to hang when evaluating regular expressions that contain a grouping expression that is itself repeated. Additionally, any regular expression that contains alternate subexpressions that overlap one another can also be exploited. This defect can be used to execute a Denial of Service (DoS) attack.

Example:

```
(e+)+
([a-zA-Z]+)*
(e|ee)+
```

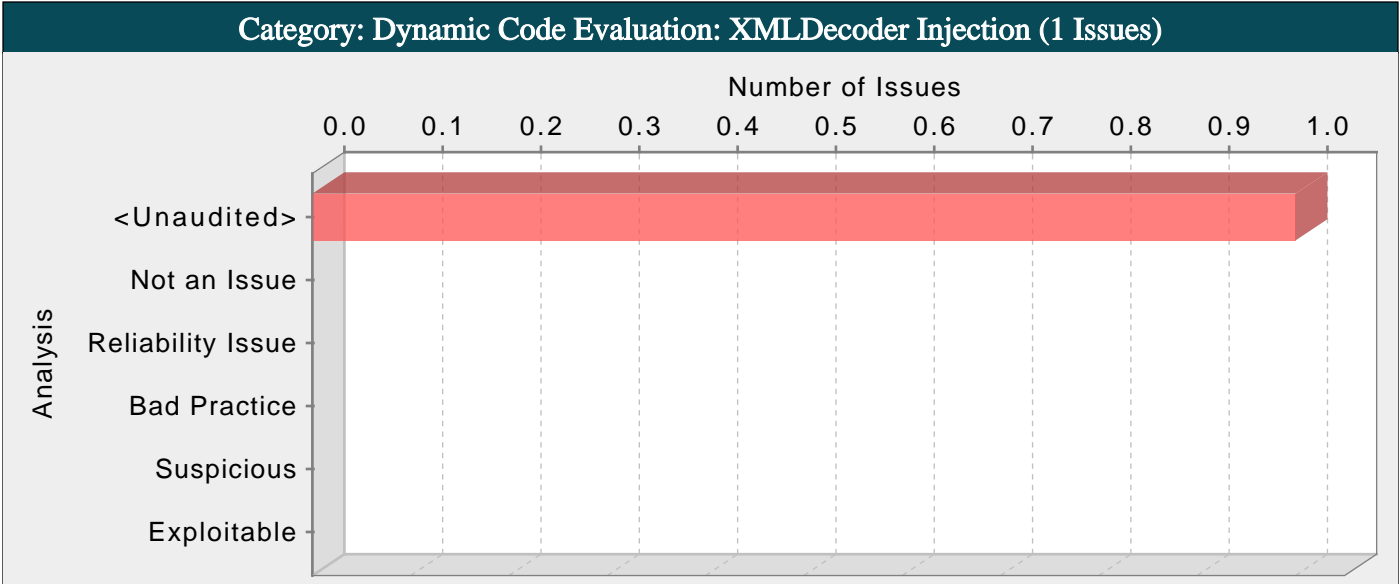
There are no known regular expression implementations which are immune to this vulnerability. All platforms and languages are vulnerable to this attack.

**Recommendations:**

Do not allow untrusted data to be used as regular expression patterns.

## EvaluationContext.java, line 354 (Denial of Service: Regular Expression)

<b>Fortify Priority:</b>	High	<b>Folder</b>	High
<b>Kingdom:</b>	Input Validation and Representation		
<b>Abstract:</b>	Untrusted data is passed to the application and used as a regular expression. This can cause the thread to overconsume CPU resources.		
<b>Source:</b>	CohortBuilderController.java:523 javax.servlet.ServletRequest.getParameter()		
521	}		
522	argValues		
523	.add(new ArgHolder(c, name, isList ? request.getParameterValues(name) :		
	request.getParameter(name));		
524	}		
525			
<b>Sink:</b>	EvaluationContext.java:354 java.lang.String.replaceAll()		
352	log.debug("Calculated date of: " + foundDate);		
353	}		
354	replacement = replacement.replaceAll("\\Q" + m.group(0) + "\\E", foundDate);		
355	log.debug("Modified to: " + replacement);		
356	}		



Abstract:

The file ReportObjectXMLDecoder.java deserializes unvalidated XML input using java.beans.XMLDecoder on line 33. Deserializing user-controlled XML documents at run-time can allow attackers to execute malicious arbitrary code on the server.

Explanation:

The JDK XMLEncoder and XMLDecoder classes provide the developer with an easy way to persist objects, serializing them to XML documents. But XMLEncoder also allows a developer to serialize method calls and if an attacker can provide the XML document to be deserialized by XMLDecoder, he may be able to execute any arbitrary code on the server.

Example: The following Java code shows an instance of XMLDecoder processing untrusted input.

```
XMLDecoder decoder = new XMLDecoder(new InputSource(new InputStreamReader(request.getInputStream(), "UTF-8")));
Object object = decoder.readObject();
decoder.close();
```

Example: The following XML document will instantiate a ProcessBuilder object and will invoke its static start() method to run the windows calculator.

```
<java>
<object class="java.lang.ProcessBuilder">
<array class="java.lang.String" length="1" >
<void index="0">
<string>c:\\windows\\system32\\calc.exe</string>
</void>
</array>
<void method="start"/>
</object>
</java>
```

Recommendations:

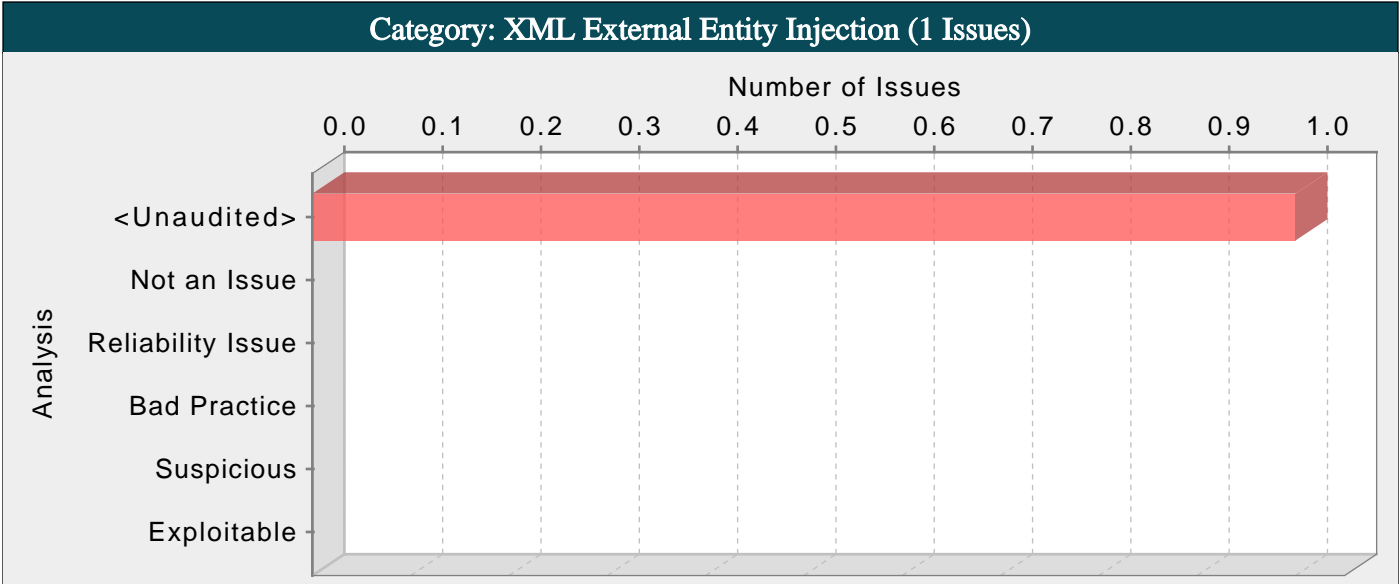
Unfortunately there is no way to avoid code execution during the XMLDecoder deserialization process. Never use XMLDecoder with user-controlled data, but if there is no alternative, run a strong validation routine to avoid malicious payloads.

Tips:

- 1. Please disregard this issue if it was found in a Restlet 2.1.4 or later application.

ReportObjectXMLDecoder.java, line 33 (Dynamic Code Evaluation: XMLDecoder Injection)			
Fortify Priority:	Critical	Folder	Critical
Kingdom:	Input Validation and Representation		
Abstract:	The file ReportObjectXMLDecoder.java deserializes unvalidated XML input using java.beans.XMLDecoder on line 33. Deserializing user-controlled XML documents at run-time can allow attackers to execute malicious arbitrary code on the server.		
Source:	PatientSearchFormController.java:75 javax.servlet.ServletRequest.getParameter()		
73	int hasXMLChanged = 0;		

```
74         hasXMLChanged = Integer.parseInt(request.getParameter("patientSearchXMLHasChanged"));
75         String textAreaXML = request.getParameter("xmlStringTextArea");
76         Integer argumentsLength = Integer.valueOf(request.getParameter("argumentsSize"));
77         PatientSearch ps = null;
Sink:      ReportObjectXMLDecoder.java:33 java.beans.XMLDecoder.XMLDecoder()
31         public AbstractReportObject toAbstractReportObject() {
32             ExceptionListener exListener = new ReportObjectWrapperExceptionListener();
33             XMLDecoder dec = new XMLDecoder(new BufferedInputStream(new
ByteArrayInputStream(xmlToDecode.getBytes()), null,
34                 exListener);
35             AbstractReportObject o = (AbstractReportObject) dec.readObject();
```



Abstract:

XML parser configured in ReportObjectXMLDecoder.java:33 does not prevent nor limit external entities resolution. This can expose the parser to an XML External Entities attack.

Explanation:

XML External Entities attacks benefit from an XML feature to build documents dynamically at the time of processing. An XML entity allows inclusion of data dynamically from a given resource. External entities allow an XML document to include data from an external URI. Unless configured to do otherwise, external entities force the XML parser to access the resource specified by the URI, e.g., a file on the local machine or on a remote system. This behavior exposes the application to XML External Entity (XXE) attacks, which can be used to perform denial of service of the local system, gain unauthorized access to files on the local machine, scan remote machines, and perform denial of service of remote systems.

The following XML document shows an example of an XXE attack.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE foo [
<!ELEMENT foo ANY >
<!ENTITY xxe SYSTEM "file:///dev/random" >]><foo>&xxe;</foo>
```

This example could crash the server (on a UNIX system), if the XML parser attempts to substitute the entity with the contents of the /dev/random file.

Recommendations:

The XML unmarshaller should be configured securely so that it does not allow external entities as part of an incoming XML document.

To avoid XXE injection do not use unmarshal methods that process an XML source directly as java.io.File, java.io.Reader or java.io.InputStream. Parse the document with a securely configured parser and use an unmarshal method that takes the secure parser as the XML source as shown in the following example:

```
DocumentBuilderFactory dbf = DocumentBuilderFactory.newInstance();
dbf.setFeature("http://apache.org/xml/features/disallow-doctype-decl", true);
DocumentBuilder db = dbf.newDocumentBuilder();
Document document = db.parse(<XML Source>);
Model model = (Model) u.unmarshal(document);
```

Tips:

- 1. Fortify RTA adds protection against this category.

ReportObjectXMLDecoder.java, line 33 (XML External Entity Injection)			
Fortify Priority:	Critical	Folder	Critical
Kingdom:	Input Validation and Representation		
Abstract:	XML parser configured in ReportObjectXMLDecoder.java:33 does not prevent nor limit external entities resolution. This can expose the parser to an XML External Entities attack.		
Source:	PatientSearchFormController.java:75 javax.servlet.ServletRequest.getParameter()		
73	int hasXMLChanged = 0;		



```
74         hasXMLChanged = Integer.parseInt(request.getParameter("patientSearchXMLHasChanged"));
75         String textAreaXML = request.getParameter("xmlStringTextArea");
76         Integer argumentsLength = Integer.valueOf(request.getParameter("argumentsSize"));
77         PatientSearch ps = null;
Sink:       ReportObjectXMLDecoder.java:33 java.beans.XMLDecoder.XMLDecoder()
31         public AbstractReportObject toAbstractReportObject() {
32             ExceptionListener exListener = new ReportObjectWrapperExceptionListener();
33             XMLDecoder dec = new XMLDecoder(new BufferedInputStream(new
ByteArrayInputStream(xmlToDecode.getBytes()), null,
34                 exListener);
35             AbstractReportObject o = (AbstractReportObject) dec.readObject();
```



## Detailed Project Summary

### Files Scanned

Code base location: /srv/openmrs\_code/org/openmrs/module/reportingcompatibility

Files Scanned:

.travis.yml yaml Dec 13, 2019 12:57:03 PM

/home/pgupta25/.fortify/sca19.1/build/reportingcompatibility/extracted/javascript/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/api/src/main/java/org/openmrs/cohort/package.html.js secondary Jan 28, 2020 11:25:16 PM

/home/pgupta25/.fortify/sca19.1/build/reportingcompatibility/extracted/javascript/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/api/src/main/java/org/openmrs/report/package.html.js secondary Jan 28, 2020 11:25:16 PM

/home/pgupta25/.fortify/sca19.1/build/reportingcompatibility/extracted/javascript/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/api/src/main/java/org/openmrs/reporting/package.html.js secondary Jan 28, 2020 11:25:15 PM

api/pom.xml xml 3 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/Cohort.java java 66 Lines 7.8 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/CohortDefinition.java java 1 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/CohortDefinitionItemHolder.java java 15 Lines 2.4 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/CohortDefinitionProvider.java java 3.3 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/CohortSearchHistory.java java 186 Lines 13.9 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/CohortUtil.java java 50 Lines 3.9 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/StaticCohortDefinition.java java 8 Lines 1.7 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/impl/PatientSearchCohortDefinitionProvider.java java 20 Lines 4 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/impl/StaticCohortDefinitionProvider.java java 20 Lines 4.1 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/cohort/package.html html Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/module/reportingcompatibility/CohortBuilderLinkProvider.java java Dec 13, 2019 12:57:03 PM

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api/src/main/java/org/openmrs/module/reportingcompatibility/extension/html/AdminList.java java 19 Lines 3.6 KB Dec 13, 2019 12:57:03 PM

api/src/main/java/org/openmrs/module/reportingcompatibility/extension/html/CohortBuilderHeader.java java 5 Lines 1.7 KB Dec 13, 2019 12:57:03 PM

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2019 12:57:03 PM

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api/src/main/java/org/openmrs/report/DataSetTransform.java java Dec 13, 2019 12:57:03 PM  
api/src/main/java/org/openmrs/report/EvaluationContext.java java 102 Lines 13.4 KB Dec 13, 2019 12:57:03 PM  
api/src/main/java/org/openmrs/report/MapDataSet.java java Dec 13, 2019 12:57:03 PM  
api/src/main/java/org/openmrs/report/Parameter.java java 16 Lines 3.3 KB Dec 13, 2019 12:57:03 PM  
api/src/main/java/org/openmrs/report/ParameterException.java java 3 Lines Dec 13, 2019 12:57:03 PM  
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api/src/main/java/org/openmrs/reporting/ReportObjectList.java java 8 Lines 1.3 KB Dec 13, 2019 12:57:03 PM  
api/src/main/java/org/openmrs/reporting/ReportObjectService.java java 7.6 KB Dec 13, 2019 12:57:03 PM  
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api/src/main/java/org/openmrs/reporting/TableRowAggregator.java java Dec 13, 2019 12:57:03 PM  
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omod/target/classes/web/module/resources/jquery/jquery.ui-1.5/ui/packed/effects.fold.packed.js typescript 1 Lines Dec 18, 2019

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omod/target/classes/web/module/resources/jquery/jquery.ui-1.5/ui/packed/jquery.ui.all.packed.js typescript 1 Lines 89.9 KB Dec 18, 2019 11:55:49 AM

omod/target/classes/web/module/resources/jquery/jquery.ui-1.5/ui/packed/ui.accordion.packed.js typescript 1 Lines 3.3 KB Dec 18, 2019 11:55:49 AM

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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/effects.blind.packed.js typescript 1 Lines

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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/effects.explode.packed.js  
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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/effects.highlight.packed.js  
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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/jquery.ui.all.packed.js typescript 1  
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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/ui.accordion.packed.js typescript 1  
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omod/target/reportingcompatibility-2.0.6/web/module/resources/jquery/jquery.ui-1.5/ui/packed/ui.resizable.packed.js typescript 1  
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pom.xml xml 4.6 KB Dec 13, 2019 12:57:03 PM

### Reference Elements

Classpath:

No classpath specified during translation

Libdirs:

No libdirs specified during translation

## Rulepacks

Valid Rulepacks:

Name: Fortify Secure Coding Rules, Core, Java

Version: 2019.4.0.0009

ID: 06A6CC97-8C3F-4E73-9093-3E74C64A2AAF

SKU: RUL13003

Name: Fortify Secure Coding Rules, Core, Annotations

Version: 2019.4.0.0009

ID: 14EE50EB-FA1C-4AE8-8B59-39F952E21E3B

SKU: RUL13078

Name: Fortify Secure Coding Rules, Core, JavaScript

Version: 2019.4.0.0009

ID: BD292C4E-4216-4DB8-96C7-9B607BFD9584

SKU: RUL13059

Name: Fortify Secure Coding Rules, Core, Android

Version: 2019.4.0.0009

ID: FF9890E6-D119-4EE8-A591-83DCF4CA6952

SKU: RUL13093

Name: Fortify Secure Coding Rules, Extended, JavaScript

Version: 2019.4.0.0009

ID: C4D1969E-B734-47D3-87D4-73962C1D32E2

SKU: RUL13141

Name: Fortify Secure Coding Rules, Extended, Configuration

Version: 2019.4.0.0009

ID: CD6959FC-0C37-45BE-9637-BAA43C3A4D56

SKU: RUL13005

Name: Fortify Secure Coding Rules, Extended, Java

Version: 2019.4.0.0009

ID: AAAC0B10-79E7-4FE5-9921-F4903A79D317

SKU: RUL13007

Name: Fortify Secure Coding Rules, Extended, Content

Version: 2019.4.0.0009

ID: 9C48678C-09B6-474D-B86D-97EE94D38F17

SKU: RUL13067

Name: Fortify Secure Coding Rules, Core, Golang

Version: 2019.4.0.0009

ID: 1DCE79F8-AF6B-474D-A05A-5BFFC8B13DCD

SKU: RUL13218

Name: Fortify Secure Coding Rules, Extended, JSP

Version: 2019.4.0.0009

ID: 00403342-15D0-48C9-8E67-4B1CFBDEFCD2

SKU: RUL13026

External Metadata:

Version: 2019.4.0.0009

Name: CWE

ID: 3ADB9EE4-5761-4289-8BD3-CBFCC593EBBC

The Common Weakness Enumeration (CWE), co-sponsored and maintained by MITRE, is international in scope and free for public use. CWE provides a unified, measurable set of software weaknesses that is enabling more effective discussion, description, selection, and use of software security tools and services that can find these weaknesses in source code and operational systems as well as better understanding and management of software weaknesses related to architecture and design.

Name: CWE Top 25 2019

ID: 7AF935C9-15AA-45B2-8EEC-0EAE4194ACDE

The 2019 CWE Top 25 Most Dangerous Software Errors lists the most widespread and critical weaknesses that can lead to serious vulnerabilities in software (as demonstrated by the National Vulnerability Database). These weaknesses occur frequently, are often easy to find, and easy to exploit. They are dangerous because they will frequently enable attackers to completely take over the software, steal data, or prevent the software from working at all. The list is the result of heuristic formula that the CWE Team used with a data-driven approach that leveraged the Common Vulnerabilities and Exposure (CVE), National Vulnerability Database (NVD), and Common Vulnerability Scoring System (CVSS). Due to the hierarchical nature of the CWE taxonomy, Fortify considers all CWE IDs which are children of a Top 25 entry, as included within the context of the entry due to the "CHILD-OF" relationship within the hierarchy. Exercise caution if using only this Top 25 list to prioritize auditing efforts because the software under analysis might not align with the assumptions of the heuristic used to define the Top 25. For example, many of these weaknesses are related to C-like languages and the software under analysis might not be within the C-family of languages - thus, many CWEs would not be in scope.

Name: DISA CCI 2

ID: 7F037130-41E5-40F0-B653-7819A4B3E241

The purpose of a Defense Information Systems Agency (DISA) Control Correlation Identifier (CCI) is to provide a standard identifier for policy based requirements which connect high-level policy expressions and low-level technical implementations. Associated with each CCI is a description for each of the singular, actionable, statements compromising an information assurance (IA) control or IA best practice. Using CCI allows high-level policy framework security requirements to be decomposed and explicitly associated with low-level implementations, thus enabling the assessment of related compliance assessment results spanning heterogeneous technologies. The current IA controls and best practices associated with each CCI, that are specified in NIST SP 800-53 Revision 4, can be viewed using the DISA STIG Viewer.

The following table summarizes the number of issues identified across the different CCIs broken down by Fortify Priority Order. The status of a CCI is considered "In Place" when there are no issues reported for a given CCI.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, CCI-003187 is not considered "In Place". Similarly, if the project is missing a Micro Focus Fortify WebInspect scan, or the scan contains any critical findings, CCI-000366 and CCI-000256 are not considered "In Place".

Name: FISMA

ID: B40F9EE0-3824-4879-B9FE-7A789C89307C

The Federal Information Processing Standard (FIPS) 200 document is part of the official series of publications, issued by the



National Institute of Standards and Technology (NIST), relating to standards and guidelines adopted and promulgated under the provisions of the Federal Information Security Management Act (FISMA). Specifically, FIPS Publication 200 specifies the "Minimum Security Requirements for Federal Information and Information Systems."

Name: GDPR

ID: 771C470C-9274-4580-8556-C12F5E4BEC51

The EU General Data Protection Regulation (GDPR) replaces the Data Protection Directive 95/46/EC and was designed to harmonize data privacy laws across Europe, to protect and empower all EU citizens data privacy and to reshape the way organizations across the region approach data privacy. Going into effect on May 25, 2018, GDPR provides a framework for organizations on how to handle personal data. According to GDPR regulation personal data "means any information relating to an identified or identifiable natural person ('data subject'); an identifiable natural person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person." GDPR articles that pertain to application security and require businesses to protect personal data during design and development of its product and services are:

- Article 25, Data protection by design and by default - which requires "The controller shall implement appropriate technical and organisational measures for ensuring that, by default, only personal data which are necessary for each specific purpose of the processing are processed."

- Article 32, Security of processing - which requires businesses to protect its systems and applications "from accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to personal data". This report may be used by organizations as a framework to help identify and protect personal data as it relates to application security.

Name: MISRA C 2012

ID: 555A3A66-A0E1-47AF-910C-3F19A6FB2506

Now in its third edition, the Motor Industry Software Reliability Association (MISRA) C Guidelines describe a subset of the C programming language in which there is reduced risk of introducing mistakes in critical systems. While the MISRA C Guidelines focus upon safety-related software development, a subset of the rules also reflect security properties. Fortify interprets the MISRA C Guidelines under the context of security and provides correlation of security vulnerability categories to the rules defined by MISRA. Fortify provides these security focused detection mechanism with the standard rulepacks, however, further support of the MISRA C Guidelines related to safety can be added through the use of custom rules. The results in this report can assist in the creation of a compliance matrix for MISRA.

Name: MISRA C++ 2008

ID: 5D4B75A1-FC91-4B4B-BD4D-C81BBE9604FA

The Motor Industry Software Reliability Association (MISRA) C++ Guidelines describe a subset of the C++ programming language in which there is reduced risk of introducing mistakes in critical systems. While the MISRA C++ Guidelines focus upon safety-related software development, a subset of the rules also reflect security properties. Fortify interprets the MISRA C++ Guidelines under the context of security and provides correlation of security vulnerability categories to the rules defined by MISRA. Fortify provides these security focused detection mechanism with the standard rulepacks, however, further support of the MISRA C++ Guidelines related to safety can be added through the use of custom rules. The results in this report can assist in the creation of a compliance matrix for MISRA.

Name: NIST SP 800-53 Rev.4

ID: 1114583B-EA24-45BE-B7F8-B61201BACDD0

NIST Special Publication 800-53 Revision 4 provides a list of security and privacy controls designed to protect federal organizations and information systems from security threats. The following table summarizes the number of issues identified across the different controls and broken down by Fortify Priority Order.

Name: OWASP Mobile 2014

ID: EEE3F9E7-28D6-4456-8761-3DA56C36F4EE

The OWASP Mobile Top 10 Risks 2014 provides a powerful awareness document for mobile application security. The OWASP Mobile Top 10 represents a broad consensus about what the most critical mobile application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: OWASP Top 10 2004

ID: 771C470C-9274-4580-8556-C023E4D3ADB4

The OWASP Top Ten 2004 provides a powerful awareness document for web application security. The OWASP Top Ten represents a broad consensus about what the most critical web application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: OWASP Top 10 2007

ID: 1EB1EC0E-74E6-49A0-BCE5-E6603802987A

The OWASP Top Ten 2007 provides a powerful awareness document for web application security. The OWASP Top Ten represents a broad consensus about what the most critical web application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: OWASP Top 10 2010

ID: FDCECA5E-C2A8-4BE8-BB26-76A8ECD0ED59

The OWASP Top Ten 2010 provides a powerful awareness document for web application security. The OWASP Top Ten represents a broad consensus about what the most critical web application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: OWASP Top 10 2013

ID: 1A2B4C7E-93B0-4502-878A-9BE40D2A25C4

The OWASP Top Ten 2013 provides a powerful awareness document for web application security. The OWASP Top Ten represents a broad consensus about what the most critical web application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: OWASP Top 10 2017

ID: 3C6ECB67-BBD9-4259-A8DB-B49328927248

The OWASP Top Ten 2017 provides a powerful awareness document for web application security focused on informing the community about the consequences of the most common and most important web application security weaknesses. The OWASP Top Ten represents a broad agreement about what the most critical web application security flaws are with consensus being drawn from data collection and survey results. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

Name: PCI 1.1

ID: CBDB9D4D-FC20-4C04-AD58-575901CAB531

The Payment Card Industry (PCI) Data Security Standard (DSS) 1.1 compliance standard describes 12 requirements which are organized into 6 logically related groups, which are "control objectives". PCI DSS requirements are applicable if Primary Account Number (PAN) is stored, processed, or transmitted by the system.

Name: PCI 1.2

ID: 57940BDB-99F0-48BF-BF2E-CFC42BA035E5

Payment Card Industry Data Security Standard Version 1.2 description

Name: PCI 2.0

ID: 8970556D-7F9F-4EA7-8033-9DF39D68FF3E

The PCI DSS 2.0 compliance standard, particularly sections 6.3, 6.5, and 6.6, references the OWASP Top 10 vulnerability categories as the core categories that must be tested for and remediated. The following table summarizes the number of issues identified across the different PCI DSS requirements and broken down by Fortify Priority Order.

Name: PCI 3.0

ID: E2FB0D38-0192-4F03-8E01-FE2A12680CA3

The following is a summary of the application security portions of Payment Card Industry (PCI) Data Security Standard (DSS) v3.0. Fortify tests for 32 application security related requirements across sections 1, 2, 3, 4, 6, 7, 8, and 10 of PCI DSS and reports whether each requirement is In Place or Not In Place to indicate whether requirements are satisfied or not. This report is intended to measure the level of adherence the specific application(s) possess when compared to PCI DSS 3.0 compliance and is not intended to serve as a comprehensive Report on Compliance (ROC). The information contained in this report is targeted at project managers, security auditors, and compliance auditors.

Name: PCI 3.1

ID: AC0D18CF-C1DA-47CF-9F1A-E8EC0A4A717E

The following is a summary of the application security portions of Payment Card Industry (PCI) Data Security Standard (DSS) v3.1. Fortify tests for 31 application security related requirements across sections 1, 2, 3, 4, 6, 7, 8, and 10 of PCI DSS and reports whether each requirement is In Place or Not In Place to indicate whether requirements are satisfied or not. This report is intended to measure the level of adherence the specific application(s) possess when compared to PCI DSS 3.1 compliance and is not intended to serve as a comprehensive Report on Compliance (ROC). The information contained in this report is targeted at project managers, security auditors, and compliance auditors.

Name: PCI 3.2

ID: 4E8431F9-1BA1-41A8-BDBD-087D5826751A

The following is a summary of the application security portions of Payment Card Industry (PCI) Data Security Standard (DSS) v3.2. Fortify tests for 31 application security related requirements across sections 1, 2, 3, 4, 6, 7, 8, and 10 of PCI DSS and reports whether each requirement is In Place or Not In Place to indicate whether requirements are satisfied or not. This report is intended to measure the level of adherence the specific application(s) possess when compared to PCI DSS 3.2 compliance and is not intended to serve as a comprehensive Report on Compliance (ROC). The information contained in this report is targeted at project managers, security auditors, and compliance auditors.

Name: PCI 3.2.1

ID: EADE255F-6561-4EFE-AD31-2914F6BFA329

The following is a summary of the application security portions of Payment Card Industry (PCI) Data Security Standard (DSS) v3.2.1. Fortify tests for 31 application security related requirements across sections 1, 2, 3, 4, 6, 7, 8, and 10 of PCI DSS and reports whether each requirement is In Place or Not In Place to indicate whether requirements are satisfied or not. This report is intended to measure the level of adherence the specific application(s) possess when compared to PCI DSS 3.2.1 compliance and is not intended to serve as a comprehensive Report on Compliance (ROC). The information contained in this report is targeted at project managers, security auditors, and compliance auditors.

Name: PCI SSF 1.0

ID: 0F551543-AF0E-4334-BEDF-1DDCD5F4BF74

The following is a summary of the application security portions of the Secure Software Requirements and Assessment Procedures defined in the Payment Card Industry (PCI) Software Security Framework (SSF) v1.0. Fortify tests for 23 application security related control objectives across Control Objective sections 2, 3, 4, 5, 6, 7, 8, and A.2 of PCI SSF and reports whether each control objective is In Place or Not In Place to indicate whether requirements are satisfied or not. This report is intended to measure the level of adherence the specific application(s) possess when compared to PCI SSF 1.0 compliance and is not intended to serve as a comprehensive Report on Compliance (ROC). The information contained in this report is targeted at project managers, security auditors, and compliance auditors.

Name: SANS Top 25 2009

ID: 939EF193-507A-44E2-ABB7-C00B2168B6D8

The 2009 CWE/SANS Top 25 Programming Errors lists the most significant programming errors that can lead to serious software vulnerabilities. They occur frequently, are often easy to find, and easy to exploit. They are dangerous because they will frequently

allow attackers to completely take over the software, steal data, or prevent the software from working at all. The list is the result of collaboration between the SANS Institute, MITRE, and many top software security experts.

Name: SANS Top 25 2010

ID: 72688795-4F7B-484C-88A6-D4757A6121CA

SANS Top 25 2010 Most Dangerous Software Errors provides an enumeration of the most widespread and critical errors, categorized by Common Weakness Enumeration (CWE) identifiers, that lead to serious vulnerabilities in software (<http://cwe.mitre.org/>). These software errors are often easy to find and exploit. The inherent danger in these errors is that they can allow an attacker to completely take over the software, steal data, or prevent the software from working at all.

Name: SANS Top 25 2011

ID: 92EB4481-1FD9-4165-8E16-F2DE6CB0BD63

SANS Top 25 2011 Most Dangerous Software Errors provides an enumeration of the most widespread and critical errors, categorized by Common Weakness Enumeration (CWE) identifiers, that lead to serious vulnerabilities in software (<http://cwe.mitre.org/>). These software errors are often easy to find and exploit. The inherent danger in these errors is that they can allow an attacker to completely take over the software, steal data, or prevent the software from working at all.

Name: STIG 3.1

ID: F2FA57EA-5AAA-4DDE-90A5-480BE65CE7E7

Security Technical Implementation Guide Version 3.1 description

Name: STIG 3.10

ID: 788A87FE-C9F9-4533-9095-0379A9B35B12

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APP5080: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APP5100: CAT II is not considered "In Place".

Name: STIG 3.4

ID: 58E2C21D-C70F-4314-8994-B859E24CF855

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA STIG identifies several severities with respect to vulnerabilities:

- <LI>CAT I: allow an attacker immediate access into a machine, allow super user access, or bypass a firewall.</LI>
- <LI>CAT II: provide information that have a high potential of giving access to an intruder.</LI>
- <LI>CAT III: provide information that potentially could lead to compromise.</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

Name: STIG 3.5

ID: DD18E81F-3507-41FA-9DFA-2A9A15B5479F

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA STIG identifies several severities with respect to vulnerabilities:

<LI>CAT I: allow an attacker immediate access into a machine, allow super user access, or bypass a firewall.</LI>

<LI>CAT II: provide information that have a high potential of giving access to an intruder.</LI>

<LI>CAT III: provide information that potentially could lead to compromise.</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

Name: STIG 3.6

ID: 000CA760-0FED-4374-8AA2-6FA3968A07B1

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA STIG identifies several severities with respect to vulnerabilities:

<LI>CAT I: allow an attacker immediate access into a machine, allow super user access, or bypass a firewall.</LI>

<LI>CAT II: provide information that have a high potential of giving access to an intruder.</LI>

<LI>CAT III: provide information that potentially could lead to compromise.</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APP5080: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APP5100: CAT II is not considered "In Place".

Name: STIG 3.7

ID: E69C07C0-81D8-4B04-9233-F3E74167C3D2

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA STIG identifies several severities with respect to vulnerabilities:

<LI>CAT I: allow an attacker immediate access into a machine, allow super user access, or bypass a firewall.</LI>

<LI>CAT II: provide information that have a high potential of giving access to an intruder.</LI>

<LI>CAT III: provide information that potentially could lead to compromise.</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APP5080: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APP5100: CAT II is not considered "In Place".

Name: STIG 3.9

ID: 1A9D736B-2D4A-49D1-88CA-DF464B40D732

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APP<I>ID</I>: CAT <I>SEV</I>]. DISA

STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APP5080: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APP5100: CAT II is not considered "In Place".

Name: STIG 4.1

ID: 95227C50-A9E4-4C9D-A8AF-FD98ABAE1F3C

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.10

ID: EF1FF442-1673-4CF1-B7C4-920F1A96A8150

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

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Name: STIG 4.2

ID: 672C15F8-8822-4E05-8C9E-1A4BAAA7A373



Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-*ID*: CAT *SEV*]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.3

ID: A0B313F0-29BD-430B-9E34-6D10F1178506

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-*ID*: CAT *SEV*]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.4

ID: ECEC5CA2-7ACA-4B70-BF44-3248B9C6F4F8

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-*ID*: CAT *SEV*]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.5

ID: E6010E0A-7F71-4388-B8B7-EE9A02143474

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

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If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.6

ID: EFB9B012-44D6-456D-B197-03D2FD7C7AD6

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

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If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.7

ID: B04A1E01-F1C1-48D3-A827-0F70872182D7

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-<I>ID</I>: CAT <I>SEV</I>]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden



or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.8

ID: E6805D9F-D5B5-4192-962C-46828FF68507

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-*ID*: CAT *SEV*]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

The following table summarizes the number of issues identified across the different STIGIDs broken down by Fortify Priority Order. The status of a STIGID is considered "In Place" when there are no issues reported for a given STIGID.

If the project is missing a Fortify Static Code Analyzer (SCA) scan, or the scan contains findings that have not been fixed, hidden or suppressed, STIGID APSC-DV-003170: CAT II is not considered "In Place". Similarly, if the project is missing a Fortify WebInspect scan, or the scan contains any critical findings, STIGID APSC-DV-001460: CAT II and STIGID APSC-DV-002930: CAT II are not considered "In Place".

Name: STIG 4.9

ID: 7B9F7B3B-07FC-4B61-99A1-70E3BB23A6A0

Each requirement or recommendation identified by the Defense Information Systems Agency (DISA) STIG is represented by a STIG identifier (STIGID), which corresponds to a checklist item and a severity code [APSC-DV-*ID*: CAT *SEV*]. DISA STIG defines three severities with respect to vulnerabilities where their:

- <LI>exploitation leads to direct and immediate loss of Confidentiality, Availability, or Integrity (CAT I).</LI>
- <LI>exploitation potentially results in loss of Confidentiality, Availability, or Integrity (CAT II).</LI>
- <LI>existence degrades protections against loss of Confidentiality, Availability, or Integrity (CAT III).</LI> </UL>

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Name: WASC 2.00

ID: 74f8081d-dd49-49da-880f-6830cebe9777

The Web Application Security Consortium (WASC) was created as a cooperative effort to standardize, clarify, and organize the threats to the security of a web site. Version 2.00 of their Threat Classification outlines the attacks and weaknesses that can commonly lead to a website being compromised.

Name: WASC 24 + 2

ID: 9DC61E7F-1A48-4711-BBFD-E9DFF537871F

The Web Application Security Consortium (WASC) was created as a cooperative effort to standardize, clarify, and organize the threats to the security of a web site.

## Properties

WinForms.CollectionMutationMonitor.Label=WinFormsDataSource  
 awt.toolkit=sun.awt.X11.XToolkit  
 com.fortify.AuthenticationKey=/home/pgupta25/.fortify/config/tools  
 com.fortify.Core=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core  
 com.fortify.InstallRoot=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0  
 com.fortify.InstallationUserName=pgupta25  
 com.fortify.SCAExecutablePath=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/bin/sourceanalyzer  
 com.fortify.TotalPhysicalMemory=8363917312  
 com.fortify.VS.RequireASPPrecompilation=true  
 com.fortify.WorkingDirectory=/home/pgupta25/.fortify  
 com.fortify.locale=en  
 com.fortify.sca.AddImpliedMethods=true  
 com.fortify.sca.AntCompilerClass=com.fortify.dev.ant.SCACompiler  
 com.fortify.sca.AppendLogFile=true  
 com.fortify.sca.BuildID=reportingcompatibility  
 com.fortify.sca.BundleControlflowIssues=true  
 com.fortify.sca.BytecodePreview=true  
 com.fortify.sca.CollectPerformanceData=true  
 com.fortify.sca.CustomRulesDir=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/config/customrules  
 com.fortify.sca.DaemonCompilers=com.fortify.sca.util.compilers.GppCompiler,com.fortify.sca.util.compilers.GccCompiler,com.fortify.sca.util.compilers.AppleGppCompiler,com.fortify.sca.util.compilers.AppleGccCompiler,com.fortify.sca.util.compilers.MicrosoftCompiler,com.fortify.sca.util.compilers.MicrosoftLinker,com.fortify.sca.util.compilers.LdCompiler,com.fortify.sca.util.compilers.ArUtil,com.fortify.sca.util.compilers.SunCCompiler,com.fortify.sca.util.compilers.SunCppCompiler,com.fortify.sca.util.compilers.IntelCompiler,com.fortify.sca.util.compilers.ExternalCppAdapter,com.fortify.sca.util.compilers.ClangCompiler  
 com.fortify.sca.DeadCodeFilter=true  
 com.fortify.sca.DeadCodeIgnoreTrivialPredicates=true  
 com.fortify.sca.DefaultAnalyzers=semantic:dataflow:controlflow:nullptr:configuration:content:structural:buffer  
 com.fortify.sca.DefaultFileTypes=java,rb,erb,jsp,jsp,jspx,jspf,tag,tagx,tld,sql,cfm,php,phtml,ctp,pks,pkh,pkb,xml,config,Config,settings,properties,dll,exe,winmd,cs,vb,asax,ascx,ashx,asmx,aspx,master,Master,xaml,baml,cshhtml,vbhtml,inc,asp,vbscript,js,ini,bas,cls,vbs,frm,ctl,html,htm,xsd,wsdd,xmi,py,cfml,cfc,abap,xhtml,cpx,xcfg,jsff,as,mxml,cbl,cscfg,csdef,wadcfg,wadcfgx,appxmanifest,wsdl,plist,bsp,ABAP,BSP,swift,page,trigger,scala,ts,conf,json,yaml,yml  
 com.fortify.sca.DefaultJarsDirs=default\_jars  
 com.fortify.sca.DefaultRulesDir=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/config/rules  
 com.fortify.sca.DisableDeadCodeElimination=false  
 com.fortify.sca.DisableFunctionPointers=false  
 com.fortify.sca.DisableGlobals=false  
 com.fortify.sca.DisableInferredConstants=false  
 com.fortify.sca.EnableInterproceduralConstantResolution=true  
 com.fortify.sca.EnableNestedWrappers=true  
 com.fortify.sca.EnableStructuralMatchCache=true  
 com.fortify.sca.EnableWrapperDetection=true  
 com.fortify.sca.FVDLDisableDescriptions=false  
 com.fortify.sca.FVDLDisableProgramData=false  
 com.fortify.sca.FVDLDisableSnippets=false  
 com.fortify.sca.FVDLStylesheet=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/resources/sca/fvdl2html.xml  
 com.fortify.sca.IndirectCallGraphBuilders=WinFormsAdHocFunctionBuilder,VirtualCGBuilder,J2EEIndirectCGBuilder,JNICGBuilder,StoredProcedureResolver,JavaWSCGBuilder,StrutsCGBuilder,DotNetWSCGBuilder,SqlServerSPResolver,ASPCGBuilder,ScriptedCGBuilder,NewJspCustomTagCGBuilder,DotNetCABCGBuilder,StateInjectionCGBuilder,SqlServerSPResolver2,PH

PLambdaResolver,JavaWebCGBuilder  
com.fortify.sca.JVMArgs=-XX:SoftRefLRUPolicyMSPerMB=3000 -Xmx4096M -Xss16M  
com.fortify.sca.JavaSourcepathSearch=true  
com.fortify.sca.JdkVersion=1.8  
com.fortify.sca.LogFileDir=/home/pgupta25/.fortify/sca19.1/log  
com.fortify.sca.LogFileExt=.log  
com.fortify.sca.LogFileName=sca.log  
com.fortify.sca.LogFileNameNoExt=sca  
com.fortify.sca.LogFilePath=/home/pgupta25/.fortify/sca19.1/log/sca.log  
com.fortify.sca.LogLevel=INFO  
com.fortify.sca.LowSeverityCutoff=1.0  
com.fortify.sca.MachineOutputMode=  
com.fortify.sca.MultithreadedAnalysis=true  
com.fortify.sca.NoNestedOutTagOutput=org.apache.taglibs.standard.tag.rt.core.RemoveTag,org.apache.taglibs.standard.tag.rte.SetTag  
com.fortify.sca.OldVbNetExcludeFileTypes=vb,asax,ascx,ashx,asmx,aspx,xaml,cshhtml,vbhtml  
com.fortify.sca.PID=26651  
com.fortify.sca.Phase0HigherOrder.Languages=python,ruby,swift,javascript,typescript  
com.fortify.sca.Phase0HigherOrder.Level=1  
com.fortify.sca.PrintPerformanceDataAfterScan=false  
com.fortify.sca.ProjectRoot=/home/pgupta25/.fortify  
com.fortify.sca.ProjectRoot=/home/pgupta25/.fortify  
com.fortify.sca.Renderer=fpr  
com.fortify.sca.RequireMapKeys=classrule  
com.fortify.sca.ResultsFile=/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/reportingcompatibility\_scan.fpr  
com.fortify.sca.SolverTimeout=15  
com.fortify.sca.SqlLanguage=PLSQL  
com.fortify.sca.SuppressLowSeverity=true  
com.fortify.sca.ThreadCount.NameTableLoading=1  
com.fortify.sca.TypeInferenceFunctionTimeout=60  
com.fortify.sca.TypeInferenceLanguages=javascript,typescript,python,ruby  
com.fortify.sca.TypeInferencePhase0Timeout=300  
com.fortify.sca.UnicodeInputFile=true  
com.fortify.sca.UniversalBlacklist=.\*yyparse.\*  
com.fortify.sca.alias.mode.csharp=fs  
com.fortify.sca.alias.mode.javascript=fi  
com.fortify.sca.alias.mode.scala=fi  
com.fortify.sca.alias.mode.swift=fi  
com.fortify.sca.alias.mode.typescript=fi  
com.fortify.sca.alias.mode.vb=fs  
com.fortify.sca.analyzer.controlflow.EnableLivenessOptimization=false  
com.fortify.sca.analyzer.controlflow.EnableMachineFiltering=false  
com.fortify.sca.analyzer.controlflow.EnableRefRuleOptimization=false  
com.fortify.sca.analyzer.controlflow.EnableTimeOut=true  
com.fortify.sca.compilers.ant=com.fortify.sca.util.compilers.AntAdapter  
com.fortify.sca.compilers.ar=com.fortify.sca.util.compilers.ArUtil  
com.fortify.sca.compilers.armcc=com.fortify.sca.util.compilers.ArmCcCompiler  
com.fortify.sca.compilers.armcpp=com.fortify.sca.util.compilers.ArmCppCompiler  
com.fortify.sca.compilers.cplusplus=com.fortify.sca.util.compilers.GppCompiler  
com.fortify.sca.compilers.cc=com.fortify.sca.util.compilers.GccCompiler  
com.fortify.sca.compilers.clearmake=com.fortify.sca.util.compilers.TouchlessCompiler

com.fortify.sca.compilers.fortify=com.fortify.sca.util.compilers.FortifyCompiler  
com.fortify.sca.compilers.g++=com.fortify.sca.util.compilers.GppCompiler  
com.fortify.sca.compilers.g++\*=com.fortify.sca.util.compilers.GppCompiler  
com.fortify.sca.compilers.g++2\*=com.fortify.sca.util.compilers.GppCompiler  
com.fortify.sca.compilers.g++3\*=com.fortify.sca.util.compilers.GppCompiler  
com.fortify.sca.compilers.g++4\*=com.fortify.sca.util.compilers.GppCompiler  
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com.fortify.sca.compilers.gcc3\*=com.fortify.sca.util.compilers.GccCompiler  
com.fortify.sca.compilers.gcc4\*=com.fortify.sca.util.compilers.GccCompiler  
com.fortify.sca.compilers.gmake=com.fortify.sca.util.compilers.TouchlessCompiler  
com.fortify.sca.compilers.gradle=com.fortify.sca.util.compilers.GradleAdapter  
com.fortify.sca.compilers.gradlew=com.fortify.sca.util.compilers.GradleAdapter  
com.fortify.sca.compilers.icc=com.fortify.sca.util.compilers.IntelCompiler  
com.fortify.sca.compilers.icpc=com.fortify.sca.util.compilers.IntelCompiler  
com.fortify.sca.compilers.jam=com.fortify.sca.util.compilers.TouchlessCompiler  
com.fortify.sca.compilers.javac=com.fortify.sca.util.compilers.JavacCompiler  
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com.fortify.sca.compilers.make=com.fortify.sca.util.compilers.TouchlessCompiler  
com.fortify.sca.compilers.mvn=com.fortify.sca.util.compilers.MavenAdapter  
com.fortify.sca.compilers.scalac=com.fortify.sca.util.compilers.ScalacCompiler  
com.fortify.sca.compilers.tcc=com.fortify.sca.util.compilers.ArmCcCompiler  
com.fortify.sca.compilers.tcpcpp=com.fortify.sca.util.compilers.ArmCppCompiler  
com.fortify.sca.compilers.touchless=com.fortify.sca.util.compilers.FortifyCompiler  
com.fortify.sca.cpfe.441.command=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/private-bin/sca/cpfe441.rfct  
com.fortify.sca.cpfe.command=/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/private-bin/sca/cpfe48  
com.fortify.sca.cpfe.file.option=--gen\_c\_file\_name  
com.fortify.sca.cpfe.options=--remove\_unneeded\_entities --suppress\_vtbl -tused  
com.fortify.sca.cpfe.options=--remove\_unneeded\_entities --suppress\_vtbl -tused  
com.fortify.sca.env.exesearchpath=/sbin:/bin:/usr/bin:/usr/local/bin  
com.fortify.sca.fileextensions.ABAP=ABAP  
com.fortify.sca.fileextensions.BSP=ABAP  
com.fortify.sca.fileextensions.Config=XML  
com.fortify.sca.fileextensions.abap=ABAP  
com.fortify.sca.fileextensions.appxmanifest=XML  
com.fortify.sca.fileextensions.as=ACTIONSCRIPT  
com.fortify.sca.fileextensions.asp=ASP  
com.fortify.sca.fileextensions.bas=VB6  
com.fortify.sca.fileextensions.bsp=ABAP  
com.fortify.sca.fileextensions.cfc=CFML  
com.fortify.sca.fileextensions.cfm=CFML  
com.fortify.sca.fileextensions.cfml=CFML  
com.fortify.sca.fileextensions.cls=VB6  
com.fortify.sca.fileextensions.conf=HOCON  
com.fortify.sca.fileextensions.config=XML  
com.fortify.sca.fileextensions.cpx=XML  
com.fortify.sca.fileextensions.cscfg=XML  
com.fortify.sca.fileextensions.csdef=XML  
com.fortify.sca.fileextensions.ctl=VB6  
com.fortify.sca.fileextensions.ctp=PHP

com.fortify.sca.fileextensions.erb=RUBY\_ERB  
com.fortify.sca.fileextensions.faces=JSPX  
com.fortify.sca.fileextensions.frm=VB6  
com.fortify.sca.fileextensions.htm=HTML  
com.fortify.sca.fileextensions.html=HTML  
com.fortify.sca.fileextensions.ini=JAVA\_PROPERTIES  
com.fortify.sca.fileextensions.java=JAVA  
com.fortify.sca.fileextensions.js=TYPESCRIPT  
com.fortify.sca.fileextensions.jsff=JSPX  
com.fortify.sca.fileextensions.json=JSON  
com.fortify.sca.fileextensions.jsp=JSP  
com.fortify.sca.fileextensions.jspf=JSP  
com.fortify.sca.fileextensions.jspx=JSPX  
com.fortify.sca.fileextensions.jsx=TYPESCRIPT  
com.fortify.sca.fileextensions.mxml=MXML  
com.fortify.sca.fileextensions.page=VISUAL\_FORCE  
com.fortify.sca.fileextensions.php=PHP  
com.fortify.sca.fileextensions.phtml=PHP  
com.fortify.sca.fileextensions.pkb=PLSQL  
com.fortify.sca.fileextensions.pkh=PLSQL  
com.fortify.sca.fileextensions.pks=PLSQL  
com.fortify.sca.fileextensions.plist=XML  
com.fortify.sca.fileextensions.properties=JAVA\_PROPERTIES  
com.fortify.sca.fileextensions.py=PYTHON  
com.fortify.sca.fileextensions.rb=RUBY  
com.fortify.sca.fileextensions.scala=SCALA  
com.fortify.sca.fileextensions.settings=XML  
com.fortify.sca.fileextensions.sql=SQL  
com.fortify.sca.fileextensions.swift=SWIFT  
com.fortify.sca.fileextensions.tag=JSP  
com.fortify.sca.fileextensions.tagx=JSP  
com.fortify.sca.fileextensions.tld=TLD  
com.fortify.sca.fileextensions.trigger=APEX\_TRIGGER  
com.fortify.sca.fileextensions.ts=TYPESCRIPT  
com.fortify.sca.fileextensions.tsx=TYPESCRIPT  
com.fortify.sca.fileextensions.vbs=VBSCRIPT  
com.fortify.sca.fileextensions.vbscript=VBSCRIPT  
com.fortify.sca.fileextensions.wadcfg=XML  
com.fortify.sca.fileextensions.wadcfgx=XML  
com.fortify.sca.fileextensions.wsdd=XML  
com.fortify.sca.fileextensions.wsdl=XML  
com.fortify.sca.fileextensions.xcfg=XML  
com.fortify.sca.fileextensions.xhtml=JSPX  
com.fortify.sca.fileextensions.xmi=XML  
com.fortify.sca.fileextensions.xml=XML  
com.fortify.sca.fileextensions.xsd=XML  
com.fortify.sca.fileextensions.yaml=YAML  
com.fortify.sca.fileextensions.yml=YAML  
com.fortify.sca.jsp.UseNativeParser=true  
com.fortify.sca.parser.python.ignore.module.1=test.badsyntax\_future3  
com.fortify.sca.parser.python.ignore.module.2=test.badsyntax\_future4

```
com.fortify.sca.parser.python.ignore.module.3=test.badsyntax_future5
com.fortify.sca.parser.python.ignore.module.4=test.badsyntax_future6
com.fortify.sca.parser.python.ignore.module.5=test.badsyntax_future7
com.fortify.sca.parser.python.ignore.module.6=test.badsyntax_future8
com.fortify.sca.parser.python.ignore.module.7=test.badsyntax_future9
com.fortify.sca.parser.python.ignore.module.8=test.badsyntax_nocaret
com.fortify.sca.skip.libraries.AngularJS=angular.js,angular.min.js,angular-animate.js,angular-aria.js,angular_1_router.js,angular-
cookies.js,angular-message-format.js,angular-messages.js,angular-mocks.js,angular-parse-ext.js,angular-resource.js,angular-
route.js,angular-sanitize.js,angular-touch.js
com.fortify.sca.skip.libraries.ES6=es6-shim.min.js,system-polyfills.js,shims_for_IE.js
com.fortify.sca.skip.libraries.jQuery=jquery.js,jquery.min.js,jquery-migrate.js,jquery-migrate.min.js,jquery-ui.js,jquery-
ui.min.js,jquery.mobile.js,jquery.mobile.min.js,jquery.color.js,jquery.color.min.js,jquery.color.svg-names.js,jquery.color.svg-
names.min.js,jquery.color.plus-names.js,jquery.color.plus-names.min.js,jquery.tools.min.js
com.fortify.sca.skip.libraries.javascript=bootstrap.js,bootstrap.min.js,typescript.js,typescriptServices.js
com.fortify.sca.skip.libraries.typescript=typescript.d.ts,typescriptServices.d.ts
com.fortify.search.defaultSyntaxVer=2
com.sun.management.jmxremote=true
file.encoding=UTF-8
file.encoding.pkg=sun.io
file.separator=/
java.awt.graphicsenv=sun.awt.X11GraphicsEnvironment
java.awt.headless=true
java.awt.printerjob=sun.print.PSPrinterJob
java.class.path=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/Core/lib/exe/sca-exe.jar
java.class.version=52.0
java.endorsed.dirs=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/endorsed
java.ext.dirs=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/ext:/usr/java/packages/lib/ext
java.home=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre
java.io.tmpdir=/tmp
java.library.path=/usr/java/packages/lib/amd64:/usr/lib64:/lib64:/lib:/usr/lib
java.rmi.server.randomIDs=true
java.runtime.name=OpenJDK Runtime Environment
java.runtime.version=1.8.0_181-b02
java.specification.name=Java Platform API Specification
java.specification.vendor=Oracle Corporation
java.specification.version=1.8
java.vendor=Azul Systems, Inc.
java.vendor.url=http://www.azulsystems.com/
java.vendor.url.bug=http://www.azulsystems.com/support/
java.version=1.8.0_181
java.vm.info=mixed mode
java.vm.name=OpenJDK 64-Bit Server VM
java.vm.specification.name=Java Virtual Machine Specification
java.vm.specification.vendor=Oracle Corporation
java.vm.specification.version=1.8
java.vm.vendor=Azul Systems, Inc.
java.vm.version=25.181-b02
line.separator=

log4j.configurationFile=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/Core/config/log4j2.xml
log4j.isThreadContextMapInheritable=true
```



```
max.file.path.length=255
os.arch=amd64
os.name=Linux
os.version=4.15.0-58-generic
path.separator=:
stderr.isatty=false
stdout.isatty=false
sun.arch.data.model=64
sun.boot.class.path=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/resources.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/
jre/lib/rt.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/sunrsasign.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/j
sse.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/jce.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/charsets.jar:/
opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/jfr.jar:/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/classes
sun.boot.library.path=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/jre/lib/amd64
sun.cpu.endian=little
sun.cpu.isalist=
sun.io.unicode.encoding=UnicodeLittle
sun.java.command=sourceanalyzer -Djava.awt.headless=true -Dcom.sun.management.jmxremote=true -
XX:SoftRefLRUPolicyMSPerMB=3000 -Dcom.fortify.sca.env.exeSearchPath=/sbin:/bin:/usr/bin:/usr/local/bin -
Dcom.fortify.sca.ProjectRoot=/home/pgupta25/.fortify -Dstdout.isatty=false -Dstderr.isatty=false -Dcom.fortify.sca.PID=26651 -
Xmx4096M -Dcom.fortify.TotalPhysicalMemory=8363917312 -Xss16M -Dcom.fortify.sca.JVMArgs=-
XX:SoftRefLRUPolicyMSPerMB=3000 -Xmx4096M -Xss16M -
Djava.class.path=/opt/Fortify/Fortify_SCA_and_Apps_19.1.0/Core/lib/exe/sca-exe.jar -scan
@/home/pgupta25/.fortify/Eclipse.Plugin-19.1.0/reportingcompatibility/reportingcompatibilityScan.txt
sun.jnu.encoding=UTF-8
sun.management.compiler=HotSpot 64-Bit Tiered Compilers
sun.os.patch.level=unknown
user.country=US
user.dir=/home/pgupta25/Desktop
user.home=/home/pgupta25
user.language=en
user.name=pgupta25
user.timezone=America/New_York
```

### Commandline Arguments

```
-scan
-b
reportingcompatibility
-format
fpr
-machine-output
-f
/srv/openmrs_code/org/openmrs/module/reportingcompatibility/reportingcompatibility_scan.fpr
```

### Warnings

[12002] Could not locate the deployment descriptor (web.xml) for your web application. Please build your web application and try again. File:  
/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortList.jsp

[12003] Assuming Java source level to be 1.8 as it was not specified. Note that the default value may change in future versions.

[12004] The Java frontend was unable to resolve the following include:  
/WEB-INF/template/include.jsp at

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportList.jsp:1.  
/WEB-INF/template/footer.jsp at  
/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportList.jsp:44.  
/WEB-INF/template/header.jsp at  
/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportList.jsp:2.

[12022] The class "javax.servlet.http.HttpServlet" could not be found on the classpath, but it was found in the JAR file provided by Fortify in "/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/default\_jars/javax.servlet-api-3.0.1.jar" as a convenience. To ensure consistent translation behavior add the JAR file that contains "javax.servlet.http.HttpServlet" to the classpath given to the translation step. Refer to the documentation about "default JARs" in the SCA User Guide for more information.

[12022] The class "javax.servlet.jsp.PageContext" could not be found on the classpath, but it was found in the JAR file provided by Fortify in "/opt/Fortify/Fortify\_SCA\_and\_Apps\_19.1.0/Core/default\_jars/javax.servlet.jsp-api.jar" as a convenience. To ensure consistent translation behavior add the JAR file that contains "javax.servlet.jsp.PageContext" to the classpath given to the translation step. Refer to the documentation about "default JARs" in the SCA User Guide for more information.

[1214] Multiple definitions found for class /cohortBuilder.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/analysis/cohortBuilder.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/analysis/cohortBuilder.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortBuilder\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/analysis/cohortBuilder.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/analysis/cohortBuilder.jsp).

[1214] Multiple definitions found for class /patientSet.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/portlets/patientSet.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/portlets/patientSet.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsppatientSet\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/portlets/patientSet.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/portlets/patientSet.jsp).

[1214] Multiple definitions found for class /cohortList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/cohortList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/cohortList.jsp).

[1214] Multiple definitions found for class /cohortReportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortReportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/cohortReportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortReportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortReportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/cohortReportForm.jsp).

[1214] Multiple definitions found for class /dataExportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/dataExportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspdataExportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/dataExportForm.jsp).

[1214] Multiple definitions found for class /dataExportList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/dataExportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspdataExportList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/dataExportList.jsp).

[1214] Multiple definitions found for class /calculatedColumns.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/calculatedColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/calculatedColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcalculatedColumns\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/calculatedColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/calculatedColumns.jsp).

[1214] Multiple definitions found for class /cohortColumns.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/cohortColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/cohortColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortColumns\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/cohortColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/cohortColumns.jsp).

[1214] Multiple definitions found for class /conceptColumns.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/conceptColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/conceptColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspconceptColumns\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/conceptColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/conceptColumns.jsp).

[1214] Multiple definitions found for class /simpleColumns.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/simpleColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/simpleColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspsimpleColumns\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/simpleColumns.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/include/simpleColumns.jsp).

[1214] Multiple definitions found for class /patientSearchForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/patientSearchForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsppatientSearchForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/patientSearchForm.jsp).

[1214] Multiple definitions found for class /patientSearchList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/patientSearchList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsppatientSearchList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/patientSearchList.jsp).

[1214] Multiple definitions found for class /reportDataForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportDataForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportDataForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportDataForm.jsp).

[1214] Multiple definitions found for class /reportDataList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportDataList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportDataList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportDataList.jsp).

[1214] Multiple definitions found for class /reportMacrosForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportMacrosForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportMacrosForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportMacrosForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportMacrosForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportMacrosForm.jsp).

[1214] Multiple definitions found for class /reportObjectForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportObjectForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportObjectForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportObjectForm.jsp).

[1214] Multiple definitions found for class /reportObjectList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportObjectList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportObjectList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportObjectList.jsp).

[1214] Multiple definitions found for class /reportSchemaXmlForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportSchemaXmlForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportSchemaXmlForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportSchemaXmlForm.jsp).

[1214] Multiple definitions found for class /reportSchemaXmlList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportSchemaXmlList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportSchemaXmlList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/reportSchemaXmlList.jsp).

[1214] Multiple definitions found for class /rowPerObsDataExportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/rowPerObsDataExportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprowPerObsDataExportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/rowPerObsDataExportForm.jsp).

orm.jsp).

[1214] Multiple definitions found for class /rowPerObsDataExportList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/rowPerObsDataExportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprowPerObsDataExportList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/rowPerObsDataExportList.jsp).

[1214] Multiple definitions found for class /runReportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/runReportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprunReportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/runReportForm.jsp).

[1214] Multiple definitions found for class /runReportList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/runReportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprunReportList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/reports/runReportList.jsp).

[1214] Multiple definitions found for class /reportingcompatibility.tld

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/resources/reportingcompatibility.tld and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/resources/reportingcompatibility.tld).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportingcompatibility\_tld\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/resources/reportingcompatibility.tld and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/classes/web/module/resources/reportingcompatibility.tld).

[1214] Multiple definitions found for class /cohortBuilder.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/analysis/cohortBuilder.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/analysis/cohortBuilder.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortBuilder\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/analysis/cohortBuilder.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/analysis/cohortBuilder.jsp).

[1214] Multiple definitions found for class /patientSet.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/portlets/patientSet.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/portlets/patientSet.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsppatientSet\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/portlets/patientSet.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/portlets/patientSet.jsp).

[1214] Multiple definitions found for class /cohortList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/cohortList.jsp).



[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortList\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/cohortList.jsp).

[1214] Multiple definitions found for class /cohortReportForm.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortReportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/cohortReportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortReportForm\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/cohortReportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/cohortReportForm.jsp).

[1214] Multiple definitions found for class /dataExportForm.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/dataExportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspdataExportForm\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/dataExportForm.jsp).

[1214] Multiple definitions found for class /dataExportList.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/dataExportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspdataExportList\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/dataExportList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/dataExportList.jsp).

[1214] Multiple definitions found for class /calculatedColumns.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/calculatedColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/include/calculatedColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcalculatedColumns\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/calculatedColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/include/calculatedColumns.jsp).

[1214] Multiple definitions found for class /cohortColumns.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/cohortColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/include/cohortColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspcohortColumns\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/cohortColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/include/cohortColumns.jsp).

[1214] Multiple definitions found for class /conceptColumns.jsp (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/conceptColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/include/conceptColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspconceptColumns\_jsp\$ftfy\_frameworkVisibleObjects (/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/conceptColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-



2.0.6/web/module/reports/include/conceptColumns.jsp).

[1214] Multiple definitions found for class /simpleColumns.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/simpleColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/include/simpleColumns.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/include/simpleColumns.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/include/simpleColumns.jsp).

[1214] Multiple definitions found for class /patientSearchForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/patientSearchForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/patientSearchForm.jsp).

[1214] Multiple definitions found for class /patientSearchList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/patientSearchList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/patientSearchList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/patientSearchList.jsp).

[1214] Multiple definitions found for class /reportDataForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportDataForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportDataForm.jsp).

[1214] Multiple definitions found for class /reportDataList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportDataList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportDataList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportDataList.jsp).

[1214] Multiple definitions found for class /reportMacrosForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportMacrosForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportMacrosForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportMacrosForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportMacrosForm.jsp).

[1214] Multiple definitions found for class /reportObjectForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportObjectForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportObjectForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportObjectForm.jsp).

[1214] Multiple definitions found for class /reportObjectList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportObjectList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportObjectList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportObjectList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportObjectList.jsp).

[1214] Multiple definitions found for class /reportSchemaXmlForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportSchemaXmlForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportSchemaXmlForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportSchemaXmlForm.jsp).

[1214] Multiple definitions found for class /reportSchemaXmlList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportSchemaXmlList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportSchemaXmlList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/reportSchemaXmlList.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/reportSchemaXmlList.jsp).

[1214] Multiple definitions found for class /rowPerObsDataExportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportForm.jsp

and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/rowPerObsDataExportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprowPerObsDataExportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportForm.jsp

and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/rowPerObsDataExportForm.jsp).

[1214] Multiple definitions found for class /rowPerObsDataExportList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportList.jsp

and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/rowPerObsDataExportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprowPerObsDataExportList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/rowPerObsDataExportList.jsp

and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/rowPerObsDataExportList.jsp).

[1214] Multiple definitions found for class /runReportForm.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportForm.jsp and

/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-

2.0.6/web/module/reports/runReportForm.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprunReportForm\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportForm.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportForm.jsp).

[1214] Multiple definitions found for class /runReportList.jsp

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportList.jsp).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jsprunReportList\_jsp\$ftfy\_frameworkVisibleObjects

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/reports/runReportList.jsp and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/reports/runReportList.jsp).

[1214] Multiple definitions found for class /reportingcompatibility.tld

(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/resources/reportingcompatibility.tld and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/resources/reportingcompatibility.tld).

[1214] Multiple definitions found for class JSPPAGE.\_/\_jspreportingcompatibility\_tld\$ftfy\_frameworkVisibleObjects

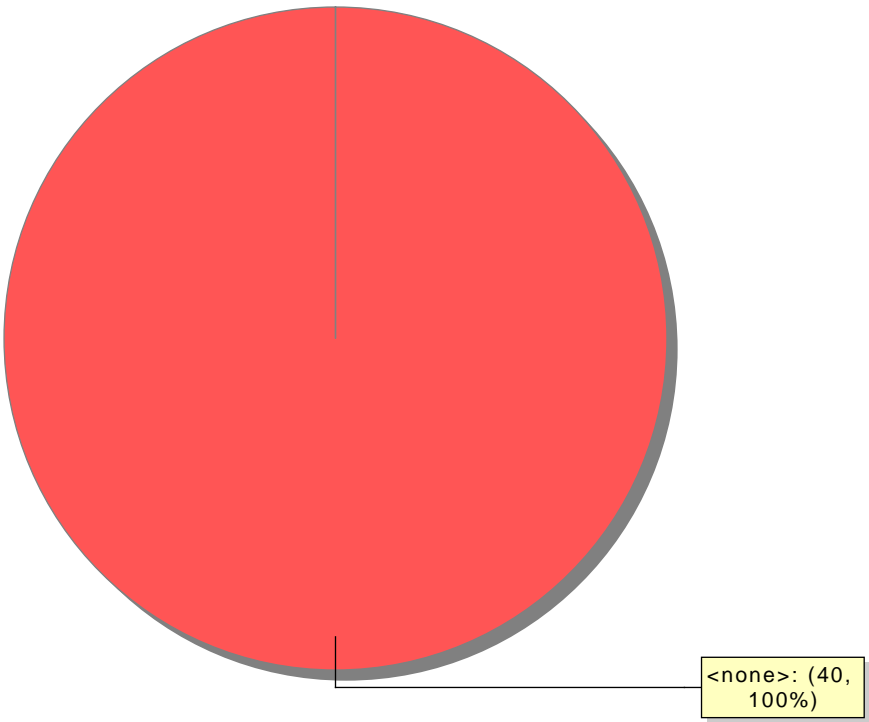
(/srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/src/main/webapp/resources/reportingcompatibility.tld and /srv/openmrs\_code/org/openmrs/module/reportingcompatibility/omod/target/reportingcompatibility-2.0.6/web/module/resources/reportingcompatibility.tld).

[1215] Could not locate the root (WEB-INF) of the web application. Please build your web application and try again.

Issue Count by Category	
Issues by Category	
Log Forging	21
Cross-Site Scripting: Reflected	15
Denial of Service: Regular Expression	2
Dynamic Code Evaluation: XMLDecoder Injection	1
XML External Entity Injection	1

Issue Breakdown by Analysis

Issues by Analysis



● <none>