



Hewlett Packard
Enterprise

Fortify Security Report

Mar 7, 2017

administrator

Executive Summary

Issues Overview

On March 7, 2017, a source code review was performed over the VIMT.Integrations code base. 170 files, 19991 lines of code were scanned and reviewed for defects that could lead to potential security vulnerabilities. A total of 226 reviewed findings were uncovered during the analysis.

Issues by Fortify Priority Order

Critical	119
Low	47
High	44
Medium	16

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: C:/Subversion/CRM/trunk/Integration/VIMT.Integrations

Number of Files: 170

Lines of Code: 19991

Build Label: <No Build Label>

Scan Information

Scan time: 03:18

SCA Engine version: 16.20.0157

Machine Name: BASE2012

Username running scan: administrator

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:

\$ATTACK_SURFACES\$

Filter Set Summary

Current Enabled Filter Set:

Security Auditor 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

Audit Guide Summary

Audit guide not enabled

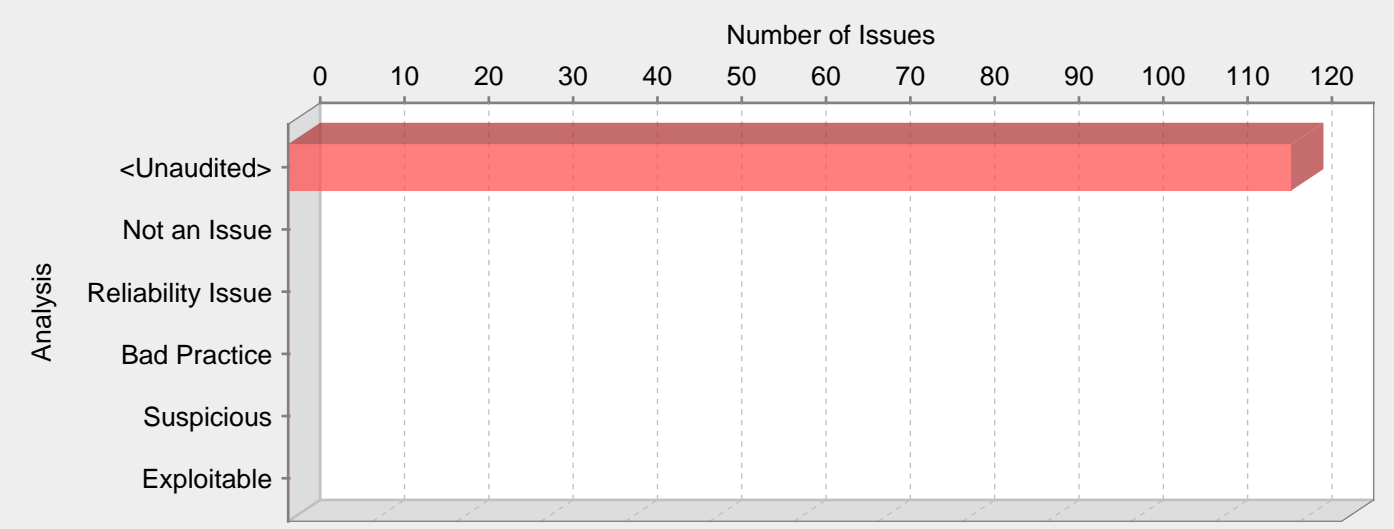
Results Outline

Overall number of results

The scan found 226 issues.

Vulnerability Examples by Category

Category: Dynamic Code Evaluation: Serializable Delegate (119 Issues)



Abstract:

The serializable Delegate field in a given class may introduce arbitrary code execution vulnerability on or after the deserialization of that class.

Explanation:

Delegate type is used to hold reference to a method call that can be invoked later in the user code. .NET uses custom serialization while serializing Delegate types and utilizes the System.DelegateSerializationHolder class to store the method information that are attached or subscribed to a Delegate. So the serialized stream of Delegate object is not suitable for persistent storage or passing it to remote application, because an attacker could replace the method information with one which points to the malicious object graphs, which can cause an arbitrary code execution vulnerability when invoked on or after the deserialization.

Example 1: The following class contains a serializable Delegate field and is getting invoked in the Executor method:

```
...
[Serializable]
class DynamicRunnner
{
    Delegate _del;
    string[] _arg;
    public DynamicRunnner(Delegate dval, params string[] arg)
    {
        _del = dval;
        _arg = arg;
    }
    public bool Executor()
    {
        return (bool)_del.DynamicInvoke(_arg);
    }
}
...
```

If the developer deserializes an untrusted stream of the above class mentioned in Example 1 and the attacker replaces the method information with one which points to the Process.Start method, it will lead to an arbitrary process to be created when the Executor method is called.

Recommendations:

This vulnerability can be remediated by marking the Delegate field using the [NonSerialized] attribute as shown in Example 2, thus preventing arbitrary code execution after the deserialization.

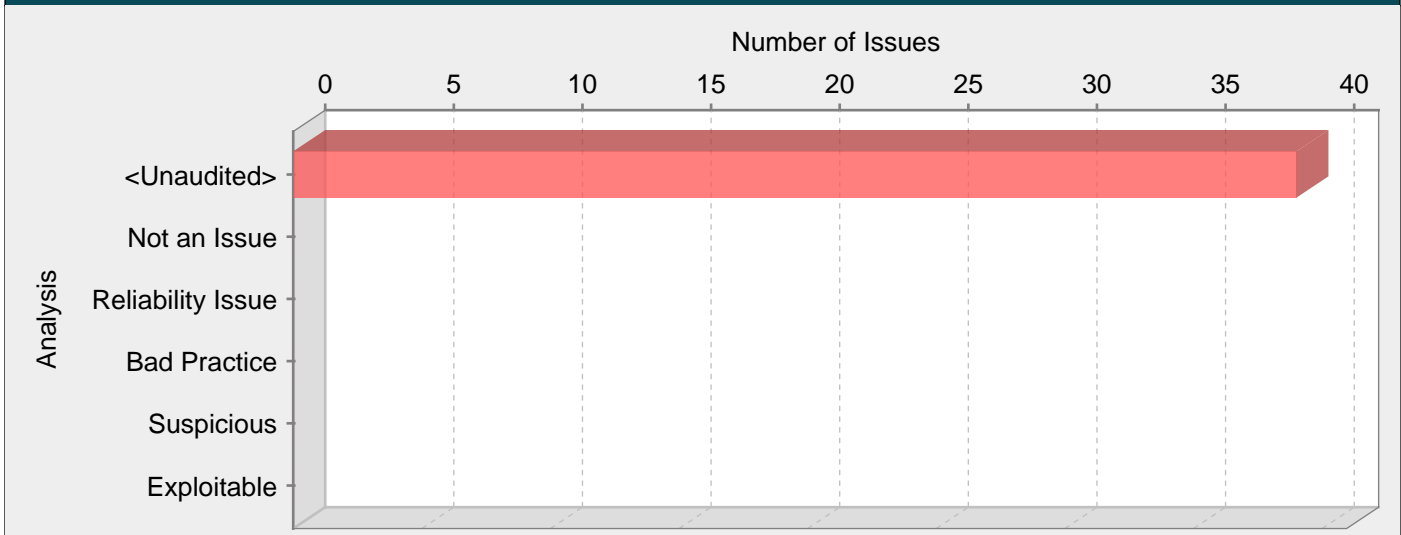
Example 2:

```
...
[Serializable]
class DynamicRunnner
{
[field: NonSerialized]
Delegate _del;
string[] _arg;
public DynamicRunnner(Delegate dval, params string[] arg)
{
_del = dval;
_arg = arg;
}
public bool Run()
{
return (bool)_del.DynamicInvoke(_arg);
}
}
...
```

Also, do not deserialize untrusted data without validating the contents of the object stream.

Reference.cs, line 163 (Dynamic Code Evaluation: Serializable Delegate)		
Fortify Priority:	Folder	Critical
Kingdom:	Input Validation and Representation	
Abstract:	The serializable Delegate field in a given class may introduce arbitrary code execution vulnerability on or after the deserialization of that class.	
Sink:	Reference.cs:163 Field: PropertyChanged()	
160	}	
161	}	
162		
163	public event System.ComponentModel.PropertyChangedEventHandler PropertyChanged;	
164		
165	protected void RaisePropertyChanged(string propertyName) {	
166	System.ComponentModel.PropertyChangedEventHandler propertyChanged = this.PropertyChanged;	

Category: Weak XML Schema: Unbounded Occurrences (39 Issues)



Abstract:

Setting a maxOccurs value to unbounded can lead to resources exhaustion and ultimately a denial of service.

Explanation:

Processing XML documents can be computationally expensive. Attackers may take advantage of schemas that allow unbounded elements by supplying an application with a very large number elements causing the application to exhaust system resources.

The following is an example of a schema that allows unbounded bar elements.

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" >
<xs:element name="foo" >
<xs:complexType>
<xs:sequence>
<xs:element name="bar" maxOccurs="unbounded" />
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

Recommendations:

Limit maxOccurs to a reasonable number.

The following is an example of a schema that allows 50 bar elements.

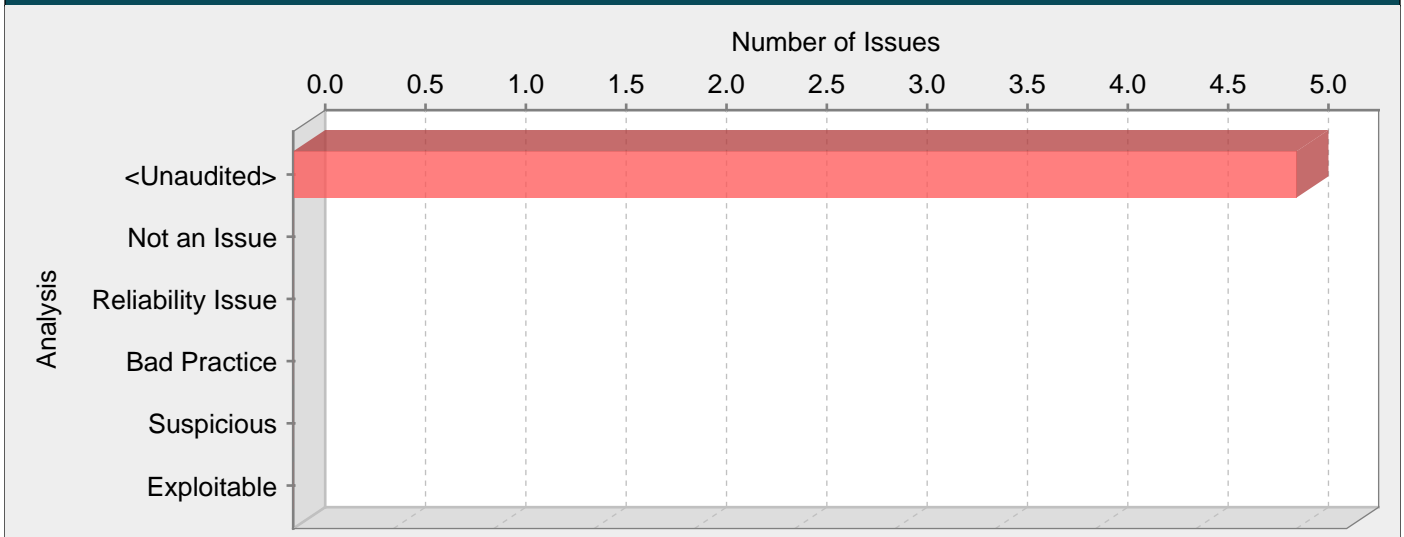
```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" >
<xs:element name="foo" >
<xs:complexType>
<xs:sequence>
<xs:element name="bar" maxOccurs="50" />
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

DataStubServices2.xsd, line 42 (Weak XML Schema: Unbounded Occurrences)

Fortify Priority:	Folder	High
Kingdom:	Environment	
Abstract:	Setting a maxOccurs value to unbounded can lead to resources exhaustion and ultimately a denial of service.	
Sink:	DataStubServices2.xsd:42	
39	<xs:element name="Acknowledgement" nillable="true" type="tns:Acknowledgement" />	
40	<xs:complexType name="ArrayOfAcknowledgementDetail">	
41	<xs:sequence>	
42	<xs:element minOccurs="0" maxOccurs="unbounded" name="AcknowledgementDetail" nillable="true" type="tns:AcknowledgementDetail" />	

```
43         </xs:sequence>
44     </xs:complexType>
45     <xs:element name="ArrayOfAcknowledgementDetail" nillable="true"
type="tns:ArrayOfAcknowledgementDetail" />
```

Category: Insecure Randomness (5 Issues)



Abstract:

Standard pseudorandom number generators cannot withstand cryptographic attacks.

Explanation:

Insecure randomness errors occur when a function that can produce predictable values is used as a source of randomness in security-sensitive context.

Computers are deterministic machines, and as such are unable to produce true randomness. Pseudorandom Number Generators (PRNGs) approximate randomness algorithmically, starting with a seed from which subsequent values are calculated.

There are two types of PRNGs: statistical and cryptographic. Statistical PRNGs provide useful statistical properties, but their output is highly predictable and forms an easy to reproduce numeric stream that is unsuitable for use in cases where security depends on generated values being unpredictable. Cryptographic PRNGs address this problem by generating output that is more difficult to predict. For a value to be cryptographically secure, it must be impossible or highly improbable for an attacker to distinguish between it and a truly random value. In general, if a PRNG algorithm is not advertised as being cryptographically secure, then it is probably a statistical PRNG and should not be used in security-sensitive contexts, where its use can lead to serious vulnerabilities such as easy-to-guess temporary passwords, predictable cryptographic keys, session hijacking, and DNS spoofing.

Example: The following code uses a statistical PRNG to create a URL for a receipt that remains active for some period of time after a purchase.

```
function genReceiptURL (baseURL){
var randNum = Math.random();
var receiptURL = baseURL + randNum + ".html";
return receiptURL;
}
```

This code uses the Math.random() function to generate "unique" identifiers for the receipt pages it generates. Because Math.random() is a statistical PRNG, it is easy for an attacker to guess the strings it generates. Although the underlying design of the receipt system is also faulty, it would be more secure if it used a random number generator that did not produce predictable receipt identifiers, such as a cryptographic PRNG.

Recommendations:

When unpredictability is critical, as is the case with most security-sensitive uses of randomness, use a cryptographic PRNG. Regardless of the PRNG you choose, always use a value with sufficient entropy to seed the algorithm. (Values such as the current time offer only negligible entropy and should not be used.)

In JavaScript, the typical recommendation is to use the window.crypto.random() function in the Mozilla API. However, this method does not work in many browsers, including more recent versions of Mozilla Firefox. There is currently no cross-browser solution for a robust cryptographic PRNG. In the meantime, consider handling any PRNG functionality outside of JavaScript.

ai.0.15.0-build58334.js, line 233 (Insecure Randomness)

Fortify Priority:	Folder	High
Kingdom:	Security Features	
Abstract:	Standard pseudorandom number generators cannot withstand cryptographic attacks.	
Sink:	ai.0.15.0-build58334.js:233 FunctionPointerCall()	
230	var hexValues = ["0", "1", "2", "3", "4", "5", "6", "7", "8", "9",	
	"A", "B", "C", "D", "E", "F"];	
231	var oct = "", tmp;	


```
232         for (var a = 0; a < 4; a++) {  
233             tmp = (4294967296 * Math.random()) | 0;  
234             oct += hexValues[tmp & 0xF] + hexValues[tmp >> 4 & 0xF] +  
                hexValues[tmp >> 8 & 0xF] + hexValues[tmp >> 12 & 0xF] + hexValues[tmp >> 16 & 0xF] +  
                hexValues[tmp >> 20 & 0xF] + hexValues[tmp >> 24 & 0xF] + hexValues[tmp >> 28 & 0xF];  
235         }  
236         var clockSequenceHi = hexValues[8 + (Math.random() * 4) | 0];
```

Detailed Project Summary

Files Scanned

Code base location: C:/Subversion/CRM/trunk/Integration/VIMT.Integrations

Files Scanned:

Appointments/VIMT.Appointments.WebService/Processors/AppointmentsProcessor.cs 6 Lines 704 bytes 3/6/2017 4:22:52 PM
BankInformation/VIMT.Integrations.BankInformation.Service/Wcf/ServiceFactory.cs 11 Lines 2 KB 3/2/2017 6:40:44 AM
UnitTests/VIMT.Integrations.NetIncome.UnitTest/TEST_VIMT_Initial_NetIncome_Message.cs 13 Lines 1 KB 3/2/2017 8:22:23 AM
eBenefits/VIMT.Integrations.eBenefits.Messages/MessageRegistry.cs 3 Lines 397 bytes 2/28/2017 1:40:27 AM
Appointments/VIMT.Appointments.Service/ServiceReference/DemoService.wsdl 3 KB 3/6/2017 4:22:58 PM
NetIncome/VIMT.Integrations.NetIncome.WebService/Processors/NetIncomeProcessor.cs 24 Lines 3 KB 3/2/2017 8:41:34 AM
UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/Reference.cs 222 Lines 26 KB 3/7/2017 10:10:36 AM
BankInformation/VIMT.Integrations.BankInformation.Service/app.config 651 bytes 2/28/2017 2:07:42 AM
ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/Reference.cs 1181 Lines 109 KB 3/7/2017 10:09:37 AM
DataStubs/IMSDataStubService/bin/Microsoft.Xrm.Sdk.Deployment.xml 250 KB 1/3/2017 4:12:30 PM
DataStubs/IMSDataStubService/scripts/ai.0.15.0-build58334.js 1627 Lines 135 KB 2/28/2017 1:40:27 AM
BankInformation/VIMT.Integrations.BankInformation.WebService/Configuration/BankInformationLOBConfiguration.cs 5 Lines 1 KB 2/28/2017 2:06:23 AM
UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/DataStubServices4.xsd 3 KB 3/7/2017 10:10:35 AM
UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Test_VIMT_VeteranProfile_INDEV.cs 14 Lines 1 KB 3/2/2017 9:20:49 AM
UnitTests/VIMT.Integrations.eBenefits.UnitTest/bin/ABLocal/Microsoft.VisualStudio.QualityTools.UnitTestFramework.xml 248 KB 6/18/2015 2:30:28 PM
UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Test_IMS_EdiPi_MVIRequest.cs 14 Lines 1 KB 2/28/2017 1:40:21 AM
ContactProfile/VIMT.Integrations.VeteranProfile.Service/WcfHeaders/Header/AddWseSecurityHeaderEndpointBehavior.cs 14 Lines 2 KB 2/28/2017 1:40:36 AM
ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Configuration/IntegrationsVeteranProfileLOBConfiguration.cs 5 Lines 1 KB 2/28/2017 1:40:34 AM
DataStubs/IMSDataStubService/bin/Microsoft.Xrm.Tooling.Connector.xml 207 KB 1/3/2017 4:12:30 PM
ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/DataStubService1.wsdl 7 KB 3/7/2017 10:09:36 AM
ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/DataStubServices7.xsd 659 bytes 3/7/2017 10:09:36 AM
Appointments/VIMT.Appointments.Service/Configuration/AppointmentsConfiguration.cs 15 Lines 1 KB 3/6/2017 4:22:54 PM
ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service References/DataStubServiceReference/DataStubServices2.xsd 15 KB 3/2/2017 8:04:12 AM
BankInformation/VIMT.Integrations.BankInformation.Service/Service References/DataStubServiceReference/DataStubServices.xsd 3 KB 3/7/2017 10:09:09 AM
DataStubs/IMSDataStubService/web.ABLocal.config 1 KB 3/6/2017 5:35:31 PM
NetIncome/VIMT.Integrations.NetIncome.Service/WcfHeaders/Header/AddWseSecurityHeaderEndpointBehavior.cs 14 Lines 2 KB 2/28/2017 1:40:11 AM
ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service References/DataStubServiceReference/DataStubService.wsdl 6 KB 3/2/2017 8:04:12 AM
NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/DataStubServices6.xsd 18 KB 3/7/2017 10:09:56 AM
Appointments/Appointments.UnitTest/bin/ABLocal/Microsoft.VisualStudio.QualityTools.UnitTestFramework.xml 248 KB 6/18/2015 2:30:28 PM
Appointments/VIMT.Appointments.WebService/Configuration/AppointmentsLOBConfiguration.cs 5 Lines 1 KB 3/6/2017 4:22:52

PM

NetIncome/VIMT.Integrations.NetIncome.Service/WcfHeaders/Header/CustomWseSecurityHeader.cs 28 Lines 3 KB 2/28/2017 1:40:11 AM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/DataStubServices6.xsd 18 KB 3/7/2017 10:10:35 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/DataStubServices5.xsd 2 KB 3/7/2017 10:09:36 AM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/app.config 589 bytes 3/2/2017 3:05:56 PM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/TEST_VIMT_BankInformation_Message.cs 13 Lines 1 KB 3/6/2017 5:37:19 PM

eBenefits/VIMT.Integrations.eBenefits.WebService/Configuration/eBenefitsLOBConfiguration.cs 5 Lines 1 KB 2/28/2017 1:40:22 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Service

References/DataStubServiceReference/DataStubServices2.xsd 18 KB 3/7/2017 10:09:09 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/bin/ABLocal/BankInformation.UnitTest.dll.config 651 bytes 2/28/2017 1:40:15 AM

DataStubs/IMSDataStubService/bin/Microsoft.Crm.Sdk.Proxy.xml 1 MB 1/3/2017 4:12:30 PM

DataStubs/IMSDataStubService/bin/Newtonsoft.Json.xml 511 KB 6/13/2016 10:06:14 PM

DataStubs/IMSDataStubService/ApplicationInsights.config 4 KB 2/28/2017 1:40:27 AM

Appointments/VIMT.Appointments.Service/Wcf/ServiceFactory.cs 9 Lines 1 KB 3/6/2017 4:22:58 PM

BankInformation/VIMT.Integrations.BankInformation.Service/Service

References/DataStubServiceReference/DataStubServices1.xsd 2 KB 3/7/2017 10:09:09 AM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/DataStubServices2.xsd 18 KB 3/7/2017 10:10:14 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Wcf/ServiceCustomClientChannel.cs 13 Lines 2 KB 2/28/2017 1:40:08 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/bin/ABLocal/VIMT.Integrations.NetIncome.UnitTest.dll.config 651 bytes 2/28/2017 1:40:19 AM

DataStubs/IMSDataStubService/MessageMaps/MVIPersonSearchMessageMap.cs 223 Lines 22 KB 3/2/2017 4:04:55 PM

eBenefits/VIMT.Integrations.eBenefits.WebService/Processors/eBenefitsProcessor.cs 6 Lines 683 bytes 2/28/2017 1:40:22 AM

DataStubs/IMSDataStubService/bin/Microsoft.Xrm.Sdk.xml 2 MB 1/3/2017 4:12:30 PM

NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/DataStubServices5.xsd 2 KB 3/7/2017 10:09:56 AM

Appointments/Appointments.UnitTest/TEST_IMS_Direct_AppointmentDataDateRange.cs 41 Lines 3 KB 3/7/2017 2:55:59 AM

Appointments/VIMT.Appointments.Messages/Messages.cs 20 Lines 1 KB 3/6/2017 4:22:52 PM

DataStubs/IMSDataStubService/App.config 2 KB 2/28/2017 1:40:27 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/Reference.cs 1189 Lines 109 KB 3/7/2017 10:10:27 AM

BankInformation/VIMT.Integrations.BankInformation.Messages/Messages.cs 34 Lines 2 KB 3/2/2017 7:53:57 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/bin/ABLocal/VIMT.Integrations.VeteranProfile.Service.dll.config 651 bytes 2/28/2017 5:15:35 PM

Appointments/VIMT.Appointments.Service/ServiceReference/servicereference.cs 133 Lines 12 KB 3/6/2017 4:22:58 PM

eBenefits/VIMT.Integrations.eBenefits.Service/WcfHeaders/Header/AddWseSecurityHeaderEndpointBehavior.cs 14 Lines 2 KB 2/28/2017 1:40:24 AM

eBenefits/VIMT.Integrations.eBenefits.Service/WcfHeaders/Header/AddWseSecurityHeaderMessageInspector.cs 18 Lines 2 KB 2/28/2017 1:40:24 AM

NetIncome/VIMT.Integrations.NetIncome.Service/Wcf/ServiceCustomClientChannel.cs 13 Lines 2 KB 2/28/2017 1:40:11 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/DataStubServices3.xsd 659 bytes 3/7/2017 10:10:27 AM

Appointments/Appointments.UnitTest/Utility.cs 109 Lines 14 KB 3/6/2017 4:22:49 PM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/app.config 651 bytes 2/28/2017 1:40:19 AM

DataStubs/IMSDataStubService/MessageMaps/VeteranAppointmentRangeMessageMap.cs 53 Lines 6 KB 3/7/2017 3:06:50 AM

DataStubs/IMSDataStubService/Utilities/DataStubUtilities.cs 28 Lines 4 KB 2/28/2017 1:40:34 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/app.config 651 bytes 3/2/2017 8:04:13 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/DataStubServices5.xsd 2 KB 3/7/2017 10:10:45 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/WcfHeaders/Header/CustomWseSecurityHeader.cs 28 Lines 3 KB 2/28/2017 1:40:37 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Service References/DataStubServiceReference/Reference.cs 1181 Lines 109 KB 3/7/2017 10:09:09 AM

NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/Reference.cs 1181 Lines 109 KB 3/7/2017 10:09:56 AM

DataStubs/IMSDataStubService/bin/ApplicationInsights.config 4 KB 2/28/2017 1:40:27 AM

BankInformation/VIMT.Integrations.BankInformation.Messages/MessageRegistry.cs 3 Lines 419 bytes 2/28/2017 1:40:08 AM

eBenefits/VIMT.Integrations.eBenefits.Service/ServiceReference/servicereference.cs 133 Lines 12 KB 2/28/2017 1:40:24 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/DataStubServices4.xsd 3 KB 3/7/2017 10:09:36 AM

BankInformation/VIMT.Integrations.BankInformation.WebService/Processors/BankInformationProcessor.cs 22 Lines 3 KB 2/28/2017 1:40:10 AM

DataStubs/IMSDataStubService/MessageMaps/VeteranBankInformationMessageMap.cs 43 Lines 5 KB 2/28/2017 1:40:27 AM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/DataStubServices5.xsd 2 KB 3/7/2017 10:10:35 AM

NetIncome/VIMT.Integrations.NetIncome.Service/ClientBaseExtension.cs 59 Lines 6 KB 2/28/2017 1:40:11 AM

eBenefits/VIMT.Integrations.eBenefits.Service/Configuration/eBenefitsConfiguration.cs 15 Lines 2 KB 3/2/2017 6:40:44 AM

eBenefits/VIMT.Integrations.eBenefits.Service/WcfHeaders/Header/CustomWseSecurityHeader.cs 28 Lines 3 KB 2/28/2017 1:40:24 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/ClientBaseExtension.cs 59 Lines 6 KB 2/28/2017 1:40:36 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/DataStubServices.xsd 3 KB 3/7/2017 10:10:27 AM

BankInformation/VIMT.Integrations.BankInformation.Service/ServiceReference/servicereference.cs 133 Lines 12 KB 2/28/2017 1:40:08 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Messages/MessageRegistry.cs 3 Lines 598 bytes 3/2/2017 7:39:48 AM

DataStubs/IMSDataStubService/scripts/ai.0.15.0-build58334.min.js 1 Lines 56 KB 2/28/2017 1:40:27 AM

DataStubs/IMSDataStubService/DataStubServices.cs 33 Lines 5 KB 3/7/2017 2:03:34 AM

Appointments/Appointments.UnitTest/app.config 651 bytes 3/7/2017 2:07:49 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/bin/ABLocal/Microsoft.VisualStudio.TestTools.UnitTestingFramework.xml 248 KB 6/18/2015 2:30:28 PM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/DataStubServices1.xsd 2 KB 3/7/2017 10:10:27 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service References/DataStubServiceReference/DataStubServices1.xsd 2 KB 3/2/2017 8:04:12 AM

Appointments/VIMT.Appointments.Service/Wcf/ServiceCustomClientChannel.cs 13 Lines 2 KB 3/6/2017 4:22:58 PM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/DataStubServices7.xsd 659 bytes 3/7/2017 10:10:45 AM

NetIncome/VIMT.Integrations.NetIncome.Service/WcfHeaders/Header/AddWseSecurityHeaderMessageInspector.cs 18 Lines 2 KB 2/28/2017 1:40:11 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/bin/ABLocal/System.Web.Mvc.xml 828 KB 11/2/2015 2:02:12 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/DataStubService1.wsdl 7 KB 3/7/2017 10:10:45 AM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Test_VIMT_EdiPi_MVIRquest_InDEV.cs 21 Lines 2 KB 3/2/2017 5:36:03 PM

NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/DataStubService1.wsdl 7 KB

3/7/2017 10:09:56 AM

NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/DataStubServices7.xsd 659 bytes 3/7/2017 10:09:56 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service

References/DataStubServiceReference/DataStubServices.xsd 2 KB 3/2/2017 8:04:12 AM

Appointments/VIMT.Appointments.Messages/MessageRegistry.cs 3 Lines 412 bytes 3/6/2017 4:22:52 PM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/DataStubService1.wsdl 7 KB 3/7/2017 10:10:35 AM

NetIncome/VIMT.Integrations.NetIncome.Service/bin/ABLocal/VIMT.Integrations.NetIncome.Service.dll.config 651 bytes 2/28/2017 5:16:27 PM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Service References/DataStubServiceReference/DataStubServices7.xsd 659 bytes 3/7/2017 10:10:35 AM

BankInformation/VIMT.Integrations.BankInformation.Service/WcfHeaders/Header/CustomWseSecurityHeader.cs 28 Lines 3 KB 2/28/2017 1:40:08 AM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/Reference.cs 1189 Lines 109 KB 3/7/2017 10:10:14 AM

Appointments/VIMT.Appointments.Service/WcfHeaders/Header/AddWseSecurityHeaderMessageInspector.cs 18 Lines 2 KB 3/6/2017 4:22:57 PM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/DataStubService.wsdl 7 KB 3/7/2017 10:10:14 AM

Appointments/VIMT.Appointments.Service/WcfHeaders/Header/AddWseSecurityHeaderEndpointBehavior.cs 14 Lines 2 KB 3/6/2017 4:22:57 PM

DataStubs/IMSDataStubService/MessageMaps/VeteranNetIncomeMessageMap.cs 41 Lines 5 KB 2/28/2017 1:40:27 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service

References/DataStubServiceReference/DataStubServices3.xsd 659 bytes 3/2/2017 8:04:12 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Wcf/ServiceFactory.cs 9 Lines 2 KB 3/2/2017 8:15:25 AM

Appointments/Appointments.UnitTest/bin/ABLocal/Appointments.UnitTest.dll.config 651 bytes 3/7/2017 2:07:49 AM

BankInformation/VIMT.Integrations.BankInformation.Service/ClientBaseExtension.cs 59 Lines 6 KB 2/28/2017 1:40:08 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Service

References/DataStubServiceReference/DataStubService.wsdl 7 KB 3/7/2017 10:09:09 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Service References/DataStubServiceReference/DataStubServices6.xsd 18 KB 3/7/2017 10:09:36 AM

UnitTests/VIMT.Integrations.VeteranProfile.UnitTest/Test_VIMT_VeteranProfile.cs 20 Lines 2 KB 3/2/2017 5:37:31 PM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/app.config 651 bytes 2/28/2017 5:15:35 PM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/TEST_IMS_Direct_NetIncome.cs 12 Lines 867 bytes 2/28/2017 1:40:18 AM

Appointments/VIMT.Appointments.WebService/Handlers/AppointmentsHandler.cs 9 Lines 1 KB 3/6/2017 4:22:52 PM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Wcf/ServiceCustomClientChannel.cs 13 Lines 2 KB 2/28/2017 1:40:35 AM

BankInformation/VIMT.Integrations.BankInformation.WebService/Handlers/BankInformationHandler.cs 9 Lines 1 KB 2/28/2017 1:40:10 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/WcfHeaders/Header/AddWseSecurityHeaderMessageInspector.cs 18 Lines 2 KB 2/28/2017 1:40:36 AM

NetIncome/VIMT.Integrations.NetIncome.Service/Service References/DataStubServiceReference/DataStubServices4.xsd 3 KB 3/7/2017 10:09:56 AM

DataStubs/IMSDataStubService/packages.config 418 bytes 3/7/2017 10:39:12 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/DataStubServices4.xsd 3 KB 3/7/2017 10:10:45 AM

Appointments/VIMT.Appointments.Service/WcfHeaders/Header/CustomWseSecurityHeader.cs 28 Lines 3 KB 3/6/2017 4:22:57 PM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Service References/DataStubServiceReference/Reference.cs 981 Lines 90 KB 3/2/2017 8:04:13 AM

NetIncome/VIMT.Integrations.NetIncome.Messages/Messages.cs 38 Lines 2 KB 3/2/2017 8:40:42 AM

BankInformation/VIMT.Integrations.BankInformation.Service/WcfHeaders/Header/AddWseSecurityHeaderEndpointBehavior.cs 14 Lines 2 KB 2/28/2017 1:40:08 AM

BankInformation/VIMT.Integrations.BankInformation.Service/WcfHeaders/Header/AddWseSecurityHeaderMessageInspector.cs 18 Lines 2 KB 2/28/2017 1:40:08 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Service

References/DataStubServiceReference/DataStubServices3.xsd 659 bytes 3/7/2017 10:09:09 AM

Appointments/VIMT.Appointments.Service/ClientBaseExtension.cs 59 Lines 6 KB 3/6/2017 4:22:56 PM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/DataStubServices1.xsd 2 KB 3/7/2017 10:10:14 AM

eBenefits/VIMT.Integrations.eBenefits.Service/Wcf/ServiceFactory.cs 11 Lines 2 KB 3/2/2017 8:15:25 AM

NetIncome/VIMT.Integrations.NetIncome.WebService/Handlers/NetIncomeHandler.cs 9 Lines 1 KB 2/28/2017 1:40:11 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Messages/Messages.cs 121 Lines 6 KB 3/2/2017 2:26:19 PM

eBenefits/VIMT.Integrations.eBenefits.WebService/Handlers/eBenefitsHandler.cs 9 Lines 1 KB 2/28/2017 1:40:22 AM

eBenefits/VIMT.Integrations.eBenefits.Messages/Messages.cs 20 Lines 1 KB 2/28/2017 1:40:27 AM

NetIncome/VIMT.Integrations.NetIncome.Messages/MessageRegistry.cs 3 Lines 389 bytes 2/28/2017 1:40:13 AM

NetIncome/VIMT.Integrations.NetIncome.Service/app.config 651 bytes 2/28/2017 5:16:27 PM

NetIncome/VIMT.Integrations.NetIncome.Service/Wcf/ServiceFactory.cs 11 Lines 2 KB 3/2/2017 6:48:43 AM

DataStubs/IMSDataStubService/web.config 2 KB 3/7/2017 10:39:13 AM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/DataStubServices.xsd 3 KB 3/7/2017 10:10:14 AM

eBenefits/VIMT.Integrations.eBenefits.Service/ClientBaseExtension.cs 59 Lines 6 KB 2/28/2017 1:40:24 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/DataStubService.wsdl 7 KB 3/7/2017 10:10:27 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/TEST_VIMT_Initial_BankInformation_Message.cs 13 Lines 1 KB 2/28/2017 1:47:09 PM

Appointments/Appointments.UnitTest/UnitTest1.cs 8 Lines 770 bytes 3/7/2017 3:07:47 AM

eBenefits/VIMT.Integrations.eBenefits.Service/Wcf/ServiceCustomClientChannel.cs 13 Lines 2 KB 2/28/2017 1:40:24 AM

DataStubs/IMSDataStubService/bin/IMSDataStub.Services.dll.config 2 KB 3/7/2017 10:39:13 AM

ContactProfile/VIMT.Integrations.VeteranProfile.Service/Configuration/IntegrationsVeteranProfileConfiguration.cs 15 Lines 2 KB 3/2/2017 6:40:44 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/bin/ABLocal/VIMT.Integrations.VeteranProfile.WebService.dll.config 651 bytes 3/2/2017 8:04:13 AM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/DataStubServices6.xsd 18 KB 3/7/2017 10:10:45 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/Service References/DataStubServiceReference/DataStubServices2.xsd 18 KB 3/7/2017 10:10:27 AM

DataStubs/IMSDataStubService/IDataStubService.cs 306 Lines 12 KB 3/7/2017 2:02:31 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Handlers/IntegrationsVeteranProfileHandler.cs 8 Lines 1 KB 2/28/2017 1:40:35 AM

NetIncome/VIMT.Integrations.NetIncome.Service/Configuration/NetIncomeConfiguration.cs 15 Lines 2 KB 3/2/2017 6:40:44 AM

ContactProfile/VIMT.Integrations.VeteranProfile.WebService/Processors/IntegrationsVeteranProfileProcessor.cs 181 Lines 21 KB 3/2/2017 5:30:00 PM

DataStubs/IMSDataStubService/web.Release.config 1022 bytes 2/28/2017 1:40:27 AM

NetIncome/VIMT.Integrations.NetIncome.WebService/Configuration/NetIncomeLOBConfiguration.cs 5 Lines 1 KB 2/28/2017 1:40:11 AM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/bin/ABLocal/Microsoft.VisualStudio.QualityTools.UnitTestFramework.xml 248 KB 6/18/2015 2:30:28 PM

UnitTests/VIMT.Integrations.NetIncome.UnitTest/Service References/DataStubServiceReference/Reference.cs 1189 Lines 109 KB 3/7/2017 10:10:45 AM

UnitTests/VIMT.Integrations.eBenefits.UnitTest/eBenefits_InitialVIMTNoStubTest.cs 10 Lines 910 bytes 2/28/2017 1:43:41 PM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/TEST_IMS_Direct_BankInformation.cs 13 Lines 957 bytes 2/28/2017 1:40:15 AM

Appointments/Appointments.UnitTest/Service References/DataStubServiceReference/DataStubServices3.xsd 659 bytes 3/7/2017 10:10:14 AM

BankInformation/VIMT.Integrations.BankInformation.Service/Configuration/BankInformationConfiguration.cs 15 Lines 2 KB 3/2/2017 6:40:44 AM

DataStubs/IMSDataStubService/web.Debug.config 959 bytes 3/6/2017 5:35:31 PM

UnitTests/VIMT.Integrations.BankInformation.UnitTest/app.config 651 bytes 2/28/2017 1:40:15 AM

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eBenefits/VIMT.Integrations.eBenefits.Service/ServiceReference/DemoService.wsdl 3 KB 2/28/2017 1:40:24 AM

Reference Elements

Classpath:

Libdirs:

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c:\subversion\crm\trunk\libraries\vimt\developer resources\2011\

Rulepacks

Valid Rulepacks:

Name: HPE Security Fortify Secure Coding Rules, Core, .NET
Version: 2016.4.0.0007
ID: D57210E5-E762-4112-97DD-019E61D32D0E
SKU: RUL13002

Name: HPE Security Fortify Secure Coding Rules, Core, JavaScript
Version: 2016.4.0.0007
ID: BD292C4E-4216-4DB8-96C7-9B607BFD9584
SKU: RUL13059

Name: HPE Security Fortify Secure Coding Rules, Extended, Configuration
Version: 2016.4.0.0007
ID: CD6959FC-0C37-45BE-9637-BAA43C3A4D56
SKU: RUL13005

Name: HPE Security Fortify Secure Coding Rules, Extended, Content
Version: 2016.4.0.0007
ID: 9C48678C-09B6-474D-B86D-97EE94D38F17
SKU: RUL13067

Name: HPE Security Fortify Secure Coding Rules, Extended, .NET
Version: 2016.4.0.0007

ID: 557BCC56-CD42-43A7-B4FE-CDD00D58577E

SKU: RUL13027

Name: HPE Security Fortify Secure Coding Rules, Extended, JavaScript

Version: 2016.4.0.0007

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SKU: RUL13141

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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
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com.fortify.sca.cpfe.441.command=C:\Program Files\HPE_Security\Fortify_SCA_and_Apps_16.20\Core\private-bin\sca\cpfe441.rfct
com.fortify.sca.fileextensions.ashx=ASPNET
com.fortify.sca.PrintPerformanceDataAfterScan=false
com.fortify.sca.compilers.armcc=com.fortify.sca.util.compilers.ArmCcCompiler
com.fortify.sca.fileextensions.mdl=MSIL
com.fortify.sca.compilers.devenv=com.fortify.sca.util.compilers.DevenvNetAdapter
com.fortify.sca.TypeInferencePhase0Timeout=300
com.fortify.sca.Phase0HigherOrder.Languages=python,ruby,swift
com.fortify.sca.DeadCodeFilter=true
com.fortify.sca.fileextensions.as=ACTIONSCRIPT
com.fortify.sca.compilers.mvn=com.fortify.sca.util.compilers.MavenAdapter
com.fortify.sca.analyzer.controlflow.EnableMachineFiltering=false
com.fortify.sca.compilers.tcc=com.fortify.sca.util.compilers.ArmCcCompiler
com.fortify.sca.UniversalBlacklist=.*yyparse.*
com.fortify.sca.fileextensions.java=JAVA
com.fortify.sca.IndirectCallGraphBuilders=WinFormsAdHocFunctionBuilder,VirtualCGBuilder,J2EEIndirectCGBuilder,JNICGBuilder,StoredProcedureResolver,JavaWSCGBuilder,StrutsCGBuilder,DotNetWSCGBuilder,SqlServerSPResolver,ASPCGBuilder,ScriptedCGBuilder,NewJspCustomTagCGBuilder,DotNetCABCGBuilder,StateInjectionCGBuilder,SqlServerSPResolver2,PHPLambdaResolver,JavaWebCGBuilder
com.fortify.sca.compilers.g++-*=com.fortify.sca.util.compilers.GppCompiler
com.fortify.sca.fileextensions.swift=SWIFT
com.fortify.sca.jsp.UseNativeParser=true
```

```
com.fortify.sca.fileextensions.vbscript=VBSCRIPT
com.fortify.sca.fileextensions.cpx=XML
com.fortify.sca.compilers.gcc4*=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.fileextensions.faces=JSPX
com.fortify.sca.RequireMapKeys=classrule
com.fortify.sca.fileextensions.properties=JAVA_PROPERTIES
com.fortify.sca.fileextensions.wsdl=XML
com.fortify.sca.Renderer=fpr
com.fortify.sca.fileextensions.mod=MSIL
com.fortify.sca.JdkVersion=1.8
com.fortify.sca.fileextensions.wsdd=XML
com.fortify.sca.fileextensions.php=PHP
com.fortify.sca.compilers.msbuild=com.fortify.sca.util.compilers.MSBuildAdapter
com.fortify.sca.fileextensions.config=XML
com.fortify.sca.fileextensions.jsff=JSPX
com.fortify.sca.DefaultFileTypes=java,rb,jsp,jsp,tag,tagx,tld,sql,cfm,php,phtml,ctp,pks,pkh,pkb,xml,config,Config,settings,prop
erties,dll,exe,winmd,cs,vb,asax,ascx,ashx,asmx,aspx,master,Master,xaml,cshtml,vbhtml,inc,asp,vbscript,js,ini,bas,cls,vbs,frm,ctl,h
tml,htm,xsd,wsdd,xmi,py,cfml,cfc,abap,xhtml,cpx,xcfg,jsff,as,mxml,cbl,cscfg,csdef,wadcfg,appxmanifest,wsdl,plist,bsp,ABAP,B
SP,swift
com.fortify.sca.ResultsFile=C:\Users\Administrator\AppData\Local\Fortify\VS-14.0-16.20\VIMT.Integrations\Scan.fpr
WinForms.CollectionMutationMonitor.Label=WinFormsDataSource
com.fortify.sca.compilers.gcc3*=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.analyzer.controlflow.EnableTimeOut=true
WinForms.TransformDataBindings=true
com.fortify.sca.compilers.msdev=com.fortify.sca.util.compilers.DevenvAdapter
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com.fortify.sca.BuildID=VIMT.Integrations
com.fortify.sca.FVDLStylesheet=C:\Program
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com.fortify.sca.DisableGlobals=false
com.fortify.sca.DotnetTranslator=C:\Program Files\HPE_Security\Fortify_SCA_and_Apps_16.20\Core/private-bin/sca/dotnet-
translator.exe
com.fortify.sca.fileextensions.ini=JAVA_PROPERTIES
com.fortify.sca.fileextensions.abap=ABAP
com.fortify.sca.fileextensions.htm=HTML
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.fileextensions.cshtml=ASPNET
com.fortify.sca.compilers.gcc2*=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.fileextensions.xhtml=JSPX
com.fortify.sca.fileextensions.ABAP=ABAP
com.fortify.sca.CollectPerformanceData=true
com.fortify.sca.compilers.c89=com.fortify.sca.util.compilers.C89Compiler
com.fortify.sca.FVDLDisableProgramData=false
com.fortify.sca.compilers.gradle=com.fortify.sca.util.compilers.GradleAdapter
com.fortify.sca.fileextensions.js=JAVASCRIPT
com.fortify.sca.fileextensions.jspx=JSPX
com.fortify.sca.fileextensions.jsp=JSP
com.fortify.sca.CustomRulesDir=C:\Program Files\HPE_Security\Fortify_SCA_and_Apps_16.20\Core\config\customrules
com.fortify.sca.compilers.g++=com.fortify.sca.util.compilers.GppCompiler
```


com.fortify.sca.fileextensions.xcfg=XML
com.fortify.sca.DisableInferredConstants=false
com.fortify.sca.DeadCodeIgnoreTrivialPredicates=true
com.fortify.sca.fileextensions.BSP=ABAP
com.fortify.sca.fileextensions.aspx=ASPNET
com.fortify.sca.compilers.javac=com.fortify.sca.util.compilers.JavacCompiler
com.fortify.sca.fileextensions.tagx=JSP
com.fortify.sca.compilers.cplusplus=com.fortify.sca.util.compilers.GppCompiler
com.fortify.sca.UnicodeInputFile=true
com.fortify.sca.fileextensions.vb=VB
com.fortify.sca.fileextensions.csdef=XML
com.fortify.sca.fileextensions.bsp=ABAP
com.fortify.sca.JavaNewBeta=true
com.fortify.sca.DefaultAnalyzers=semantic:dataflow:controlflow:nullptr:configuration:content:structural:buffer
com.fortify.sca.ThreadCount.NameTableLoading=1
com.fortify.sca.EnableInterproceduralConstantResolution=true
com.fortify.sca.fileextensions.ascx=ASPNET
com.fortify.sca.AntCompilerClass=com.fortify.dev.ant.SCACompiler
com.fortify.sca.alias.mode.javascript=fi
com.fortify.sca.fileextensions.cls=VB6
com.fortify.sca.fileextensions.frm=VB6
com.fortify.sca.BytecodePreview=true
com.fortify.sca.EnableWrapperDetection=true
WinForms.ExtractEventHandlers=true
com.fortify.sca.analyzer.controlflow.EnableRefRuleOptimization=false
com.fortify.sca.fileextensions.exe=MSIL
com.fortify.sca.compilers.gplusplus=com.fortify.sca.util.compilers.GppCompiler
com.fortify.sca.fileextensions.plist=XML
com.fortify.sca.compilers.armcpp=com.fortify.sca.util.compilers.ArmCppCompiler
com.fortify.sca.compilers.cl=com.fortify.sca.util.compilers.MicrosoftCompiler
com.fortify.sca.analyzer.controlflow.EnableLivenessOptimization=false
com.fortify.sca.Phase0HigherOrder.Level=1
com.fortify.sca.compilers.cc=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.fileextensions.phtml=PHP
com.fortify.sca.cpfe.file.option=--gen_c_file_name
com.fortify.sca.ProjectRoot=C:\Users\Administrator\AppData\Local\Fortify
com.fortify.sca.FVDLDisableSnippets=false
com.fortify.sca.compilers.make=com.fortify.sca.util.compilers.TouchlessCompiler
com.fortify.sca.compilers.gplusplus3=com.fortify.sca.util.compilers.GppCompiler
com.fortify.sca.fileextensions.asax=ASPNET
com.fortify.sca.fileextensions.vbs=VBSCRIPT
com.fortify.sca.SqlLanguage=TSQL
com.fortify.sca.DisableFunctionPointers=false
com.fortify.sca.NoNestedOutTagOutput=org.apache.taglibs.standard.tag.rt.core.RemoveTag,org.apache.taglibs.standard.tag.rt.core.SetTag
com.fortify.sca.fileextensions.asmx=ASPNET
com.fortify.sca.compilers.tcpp=com.fortify.sca.util.compilers.ArmCppCompiler
com.fortify.sca.DefaultJarsDirs=default_jars
com.fortify.sca.compilers.icl=com.fortify.sca.util.compilers.MicrosoftCompiler
com.fortify.sca.BundleControlflowIssues=true
com.fortify.sca.AspNetTranslator=C:\Program Files\HPE_Security\Fortify_SCA_and_Apps_16.20\Core/private-

```
bin/sca/aspcodegen.exe
com.fortify.sca.cpfe.options=--remove_unneeded_entities --suppress_vtbl -tused
com.fortify.sca.fileextensions.html=HTML
com.fortify.sca.compilers.icc=com.fortify.sca.util.compilers.IntelCompiler
com.fortify.sca.compilers.g++2*=com.fortify.sca.util.compilers.GppCompiler
com.fortify.sca.compilers.ar=com.fortify.sca.util.compilers.ArUtil
com.fortify.sca.AddImpliedMethods=true
com.fortify.sca.cpfe.command=C:\Program Files\HPE_Security\Fortify_SCA_and_Apps_16.20\Core/private-bin/sca/cpfe48.exe
com.fortify.sca.compilers.gcc=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.TypeInferenceFunctionTimeout=60
com.fortify.sca.compilers.gradle=com.fortify.sca.util.compilers.GradleAdapter
com.fortify.sca.fileextensions.Master=ASPNET
com.fortify.sca.compilers.gcc-*=com.fortify.sca.util.compilers.GccCompiler
com.fortify.sca.fileextensions.cfml=CFML
com.fortify.sca.fileextensions.xml=XML
com.fortify.sca.fileextensions.mxml=MXML
com.fortify.sca.compilers.gmake=com.fortify.sca.util.compilers.TouchlessCompiler
com.fortify.sca.fileextensions.xmi=XML
com.fortify.sca.DisableDeadCodeElimination=false
com.fortify.sca.fileextensions.rb=RUBY
com.fortify.sca.fileextensions.tag=JSP
com.fortify.sca.compilers.nmake=com.fortify.sca.util.compilers.TouchlessCompiler
com.fortify.sca.FVDLDisableDescriptions=false
com.fortify.sca.compilers.clearmake=com.fortify.sca.util.compilers.TouchlessCompiler
```

Commandline Arguments

```
-scan
-b
VIMT.Integrations
-machine-output
-f
C:\Users\Administrator\AppData\Local\Fortify\VS-14.0-16.20\VIMT.Integrations\Scan.fpr
-format
fpr
```

Warnings

No warnings occurred during analysis

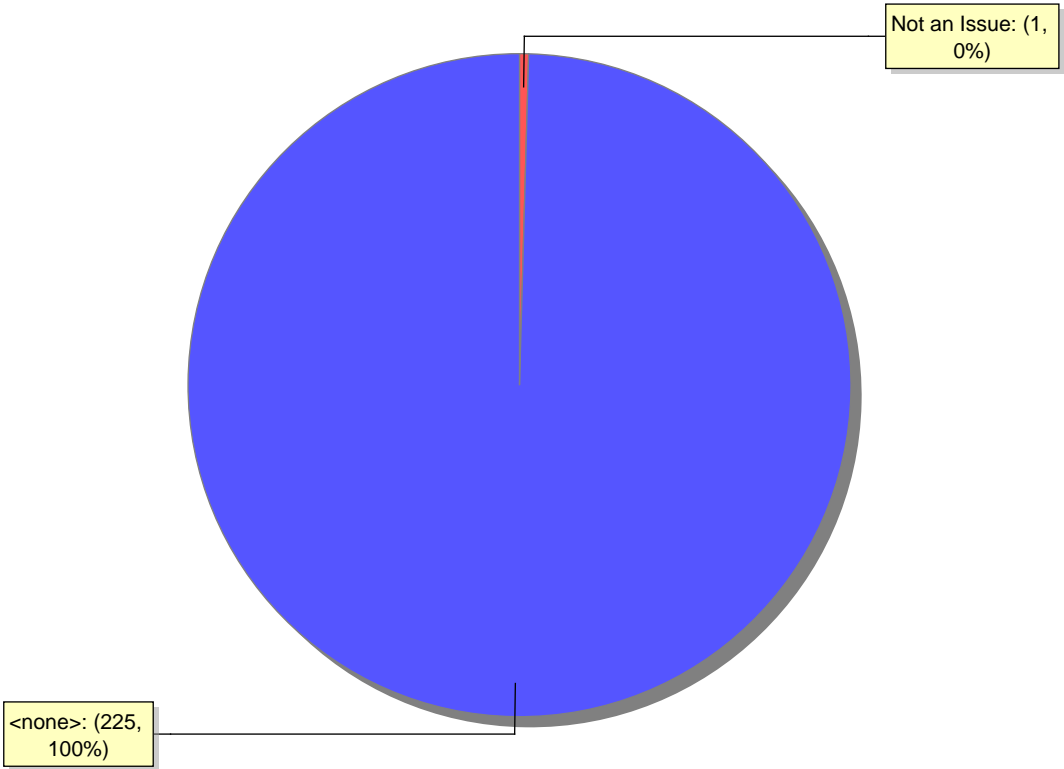
Issue Count by Category

Issues by Category

Dynamic Code Evaluation: Serializable Delegate	119
Weak XML Schema: Unbounded Occurrences	39
Password Management: Null Password	25
Denial of Service	5
Insecure Randomness	5
Cross-Site Request Forgery	4
Cookie Security: HTTPOnly not Set on Application Cookie	4
Poor Error Handling: Overly Broad Catch	4
WCF Misconfiguration: Throttling Not Enabled	3
WCF Misconfiguration: Debug Information	3
WCF Misconfiguration: Insufficient Logging	3
WCF Misconfiguration: Service Enumeration	3
ASP.NET Misconfiguration: Debug Information	3
Code Correctness: Class Does Not Implement Equals	2
Dead Code: Unused Method	2
HTML5: MIME Sniffing	1
Poor Error Handling: Empty Catch Block	1

Issue Breakdown by Analysis

Issues by Analysis



● Not an Issue ● <none>

New Issues

Issues by New Issue

The following issues have been discovered since the last scan.

