



Fortify Security Report

Nov 9, 2012

Administrator

Executive Summary

Issues Overview

On Nov 9, 2012, a source code review was performed over the GATEWAYMNPDBC_MNP_GW code base. 40 files, 1339 LOC (Executable) were scanned and reviewed for defects that could lead to potential security vulnerabilities. A total of 233 reviewed findings were uncovered during the analysis.

Issues by Fortify Priority Order

Low	178
High	35
Critical	19
Medium	1

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:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW

Number of Files: 40

Lines of Code: 1339

Build Label: GATEWAYMNPDBC_MNP_GW_T2

Scan Information

Scan time: 01:10

SCA Engine version: 5.8.0_7.0008

Machine Name: VDXPSVATOM0011

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:

Command Line Arguments:

mnp.manager.ReinvioManager.main

mnp.servlets.XMLSaver.main

File System:

java.io.FileInputStream.FileInputStream

Private Information:

null.null.null

Java Properties:

java.lang.System.getProperty

java.security.Provider.load

java.util.Properties.load

javax.servlet.GenericServlet.getInitParameter

Serialized Data:

java.io.ObjectInputStream.readObject

Stream:

java.io.BufferedReader.read

java.io.FileInputStream.read

java.io.InputStream.read

System Information:

null.null.null

java.lang.Throwable.getMessage

java.rmi.RemoteException.getMessage

javax.servlet.ServletContext.getAttribute

mnp.exception.CriticalException.getMessage

Web:

javax.servlet.ServletRequest.getRemoteAddr

javax.servlet.ServletRequest.getRemoteHost

Filter Set Summary

Current Enabled Filter Set:

Broad

Filter Set Details:

Folder Filters:

If severity: is in range (2,5] AND confidence: is in range [3,5] Then set folder to Warning

If severity: is in range (3,5] AND confidence: is in range [4,5] Then set folder to Hot

Visibility Filters:

Audit Guide Summary

J2EE Bad Practices

Hide warnings about J2EE bad practices.

Depending on whether your application is a J2EE application, J2EE bad practice warnings may or may not apply. AuditGuide can hide J2EE bad practice warnings.

Enable if J2EE bad practice warnings do not apply to your application because it is not a J2EE application.

Filters:

If category: contains j2ee Then hide issue

If category: matches race condition: static database connection Then hide issue

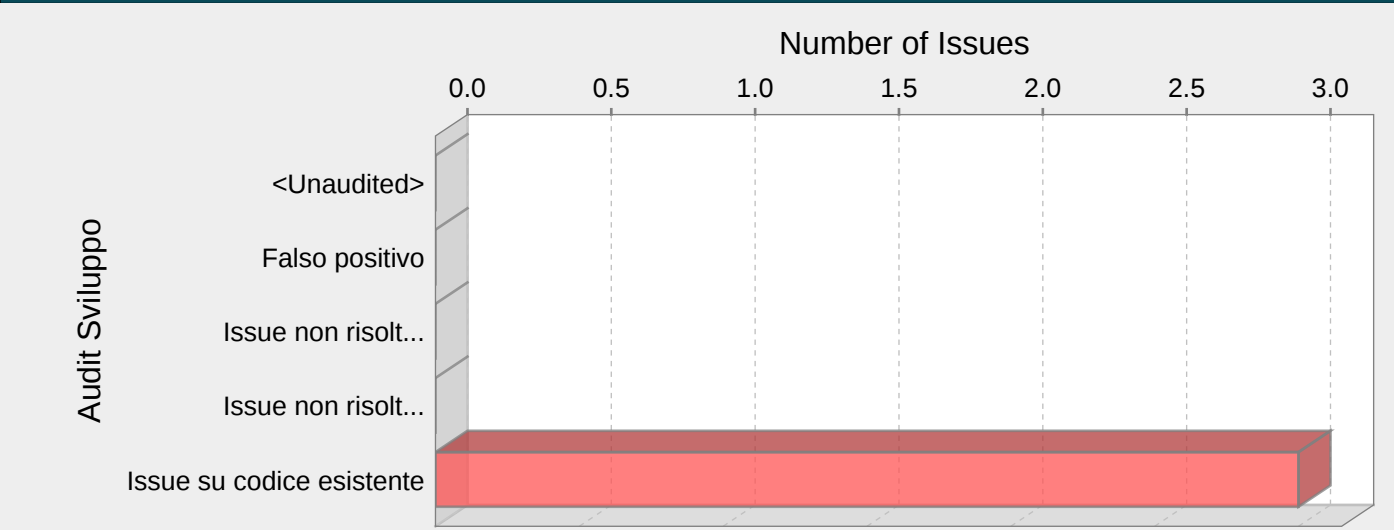
Results Outline

Overall number of results

The scan found 233 issues.

Vulnerability Examples by Category

Category: HTTP Verb Tampering (3 Issues)



Abstract:

Security constraints that specify HTTP verbs often allow more access than intended.

Explanation:

An application's authentication and authorization mechanisms can be bypassed with HTTP verb tampering when:

- 1) It uses a security control that lists HTTP verbs.
- 2) The security control fails to block verbs that are not listed.
- 3) The application updates its state based on GET requests or other arbitrary HTTP verbs.

Most Java EE implementations allow HTTP methods that are not explicitly listed in the configuration. For example the following security constraint is applied to the HTTP GET method but not other HTTP verbs:

```
<security-constraint>
<display-name>Admin Constraint</display-name>
<web-resource-collection>
<web-resource-name>Admin Area</web-resource-name>
<url-pattern>/pages/index.jsp</url-pattern>
<url-pattern>/admin/*.do</url-pattern>
<http-method>GET</http-method>
<http-method>POST</http-method>
</web-resource-collection>
<auth-constraint>
<description>only admin</description>
<role-name>admin</role-name>
</auth-constraint>
</security-constraint>
```

Since verbs like HEAD are not explicitly defined in an <http-method> tag in this configuration, it might be possible to exercise administrative functionality by substituting GET or POST requests with HEAD requests. For HEAD requests to exercise administrative functionality, condition 3 must hold - the application must carry out commands based on verbs other than POST. Some web/application servers will accept arbitrary non-standard HTTP verbs and respond as if they were given a GET request. If that is the case, an attacker would be able to view administrative pages by using an arbitrary verb in a request.

For example, a typically client GET requests looks like:

GET /admin/viewUsers.do HTTP/1.1
Host: www.example.com

In an HTTP Verb Tampering attack, an attacker would substitute GET with something like FOO

FOO /admin/viewUsers.do HTTP/1.1
Host: www.example.com

At it's core, this vulnerability is the result of an attempt to create a blacklist--a policy that specifies what users are not allowed to do. Blacklists rarely achieve their intended effect.

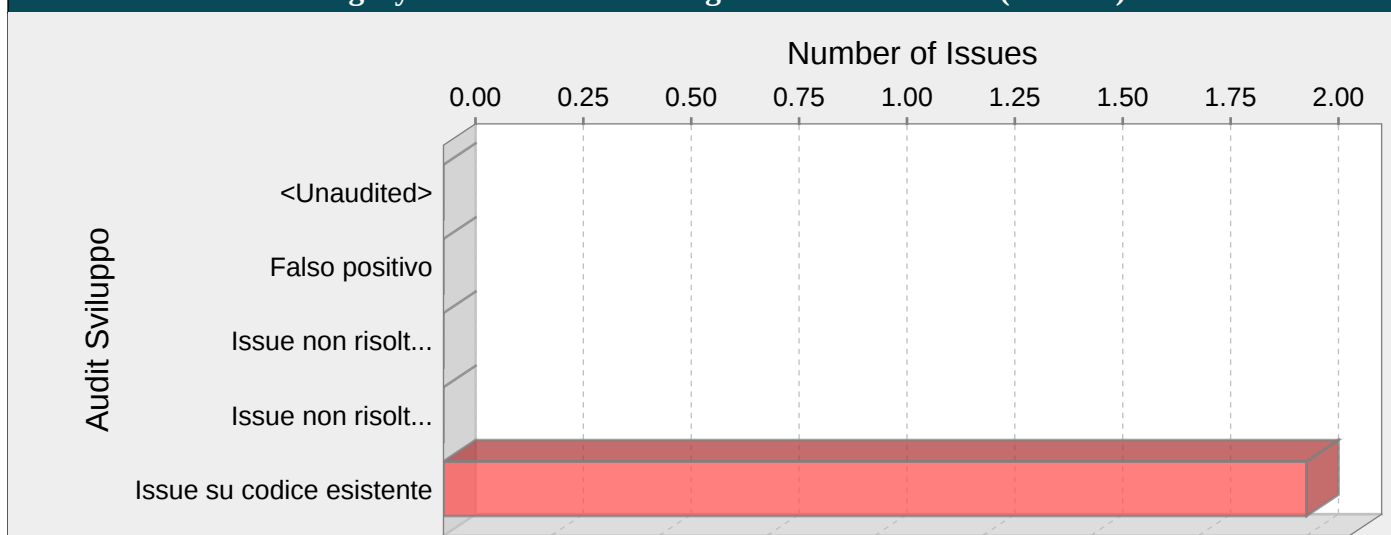
Recommendations:

Rather than a blacklist, use a whitelist. Specify an authorization policy that lists only what should be allowed and denies everything else. Do not specify HTTP methods in security constraints. This will ensure your security constraints are applied to all HTTP verbs. For example, the following configuration applies the security constraint to all HTTP verbs:

```
<security-constraint>  
<display-name>Admin Constraint</display-name>  
<web-resource-collection>  
<web-resource-name>Admin Area</web-resource-name>  
<url-pattern>/pages/index.jsp</url-pattern>  
<url-pattern>/admin/*.do</url-pattern>  
</web-resource-collection>  
<auth-constraint>  
<description>only admin</description>  
<role-name>admin</role-name>  
</auth-constraint>  
</security-constraint>
```

web.xml, line 87 (HTTP Verb Tampering)			
Fortify Priority:	High	Folder	Hot
Kingdom:	Security Features		
Abstract:	Security constraints that specify HTTP verbs often allow more access than intended.		
Sink:	web.xml:87 null()		
85	<description>Le risorse che devono essere accedute in HTTPS</description>		
86	<url-pattern>/receive</url-pattern>		
87	<http-method>POST</http-method>		
88	</web-resource-collection>		
89	<user-data-constraint>		
Audit Sviluppo:	Issue su codice esistente		

Category: Race Condition: Singleton Member Field (2 Issues)

**Abstract:**

Servlet member fields might allow one user to see another user's data.

Explanation:

Many Servlet developers do not understand that, unless a Servlet implements the `SingleThreadModel` interface, the Servlet is a singleton; there is only one instance of the Servlet, and that single instance is used and re-used to handle multiple requests that are processed simultaneously by different threads.

A common result of this misunderstanding is that developers use Servlet member fields in such a way that one user may inadvertently see another user's data. In other words, storing user data in Servlet member fields introduces a data access race condition.

Example 1: The following Servlet stores the value of a request parameter in a member field and then later echoes the parameter value to the response output stream.

```
public class GuestBook extends HttpServlet {
    String name;

    protected void doPost (HttpServletRequest req,
        HttpServletResponse res) {
        name = req.getParameter("name");
        ...
        out.println(name + ", thanks for visiting!");
    }
}
```

While this code will work perfectly in a single-user environment, if two users access the Servlet at approximately the same time, it is possible for the two request handler threads to interleave in the following way:

```
Thread 1: assign "Dick" to name
Thread 2: assign "Jane" to name
Thread 1: print "Jane, thanks for visiting!"
Thread 2: print "Jane, thanks for visiting!"
```

Thereby showing the first user the second user's name.

Recommendations:

Do not use Servlet member fields for anything but constants. (i.e. make all member fields static final).

Developers are often tempted to use Servlet member fields for user data when they need to transport data from one region of code to another. If this is your aim, consider declaring a separate class and using the Servlet only to "wrap" this new class.

Example 2: The bug in the example above can be corrected in the following way:

```
public class GuestBook extends HttpServlet {
    protected void doPost (HttpServletRequest req,
        HttpServletResponse res) {
        GBRequestHandler handler = new GBRequestHandler();
```

```
handler.handle(req, res);
}
}

public class GBRequestHandler {
String name;

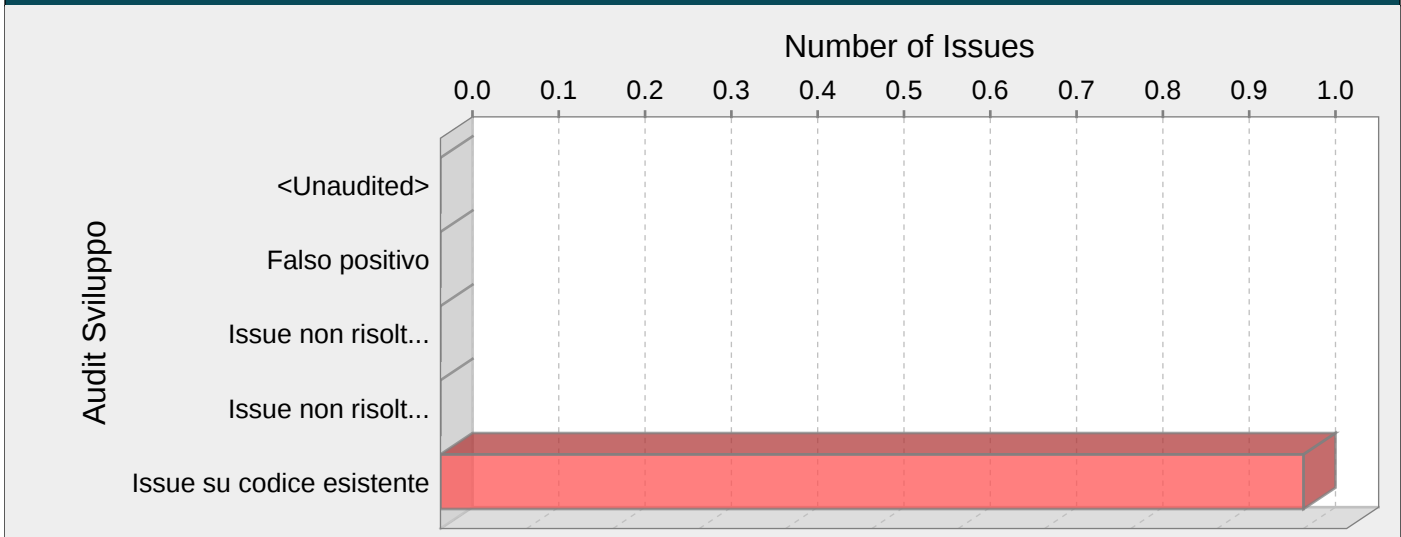
public void handle(HttpServletRequest req,
HttpServletRequest res) {
name = req.getParameter("name");
...
out.println(name + ", thanks for visiting!");
}
}
```

Alternatively, a Servlet can implement the `SingleThreadModel` interface, in which case the Servlet container will maintain a pool of Servlet objects and dispatch a different object to process each request. Depending on the container implementation and the needs of the application, using the `SingleThreadModel` interface may cause significant performance problems.

ManagementServlet.java, line 52 (Race Condition: Singleton Member Field)

Fortify Priority:	Critical	Folder	Hot
Kingdom:	Time and State		
Abstract:	The class ManagementServlet is a singleton, so the member field <code>abilitazioneDaCrontabFE</code> is shared between users. The result is that one user could see another user's data.		
Sink:	ManagementServlet.java:52 AssignmentStatement()		
50			
51	boolean isDone = false;		
52	abilitazioneDaCrontabFE = req.getParameter("stato");		
53	try {		
54	synchronized (getServletConfig().getServletContext()) {		
Audit Sviluppo:	Issue su codice esistente		

Category: Password Management: Empty Password (1 Issues)



Abstract:

Empty passwords can compromise system security in a way that cannot be easily remedied.

Explanation:

It is never a good idea to assign an empty string to a password variable. If the empty password is used to successfully authenticate against another system, then the corresponding account's security is likely compromised because it accepts an empty password. If the empty password is merely a placeholder until a legitimate value can be assigned to the variable, then it can confuse anyone unfamiliar with the code and potentially cause problems on unexpected control flow paths.

Example 1: The code below attempts to connect to a database with an empty password.

```
...
DriverManager.getConnection(url, "scott", "");
...
```

If the code in Example 1 succeeds, it indicates that the database user account "scott" is configured with an empty password, which can be easily guessed by an attacker. Even worse, once the program has shipped, updating the account to use a non-empty password will require a code change.

Example 2: The code below initializes a password variable to an empty string, attempts to read a stored value for the password, and compares it against a user-supplied value.

```
...
String storedPassword = "";
String temp;
if ((temp = readPassword()) != null) {
    storedPassword = temp;
}
if(storedPassword.equals(userPassword))
// Access protected resources
...
}
```

If readPassword() fails to retrieve the stored password due to a database error or another problem, then an attacker could trivially bypass the password check by providing an empty string for userPassword.

Recommendations:

Always read stored password values from encrypted, external resources and assign password variables meaningful values. Ensure that sensitive resources are never protected with empty or null passwords.

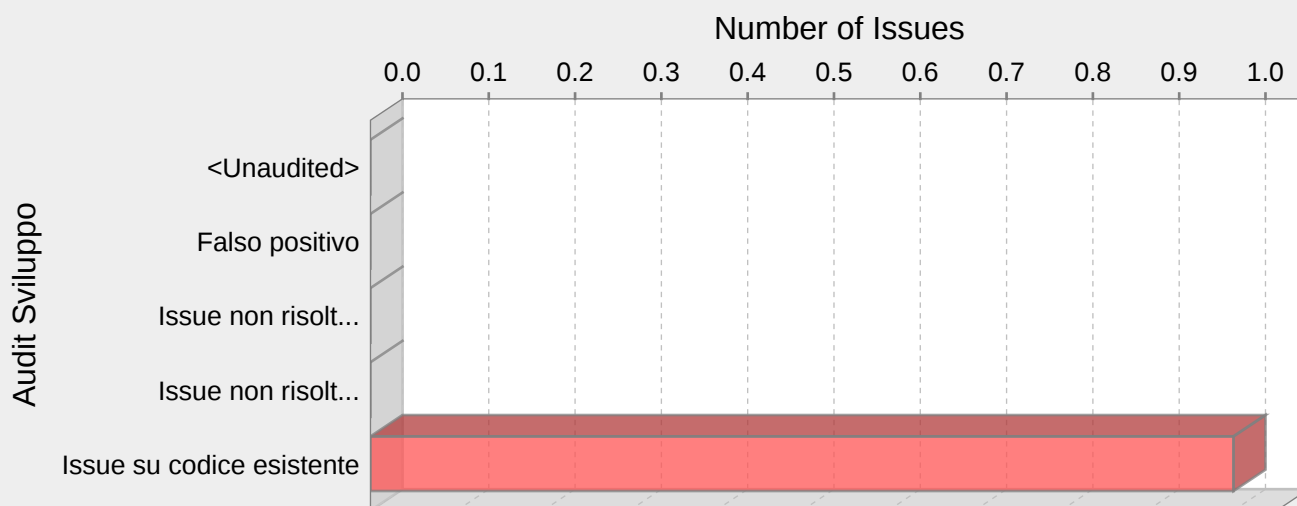
Starting with Microsoft(R) Windows(R) 2000, Microsoft(R) provides Windows Data Protection Application Programming Interface (DPAPI), which is an OS-level service that protects sensitive application data, such as passwords and private keys [1].

Tips:

The Fortify Java Annotations FortifyPassword and FortifyNotPassword can be used to indicate which fields and variables represent passwords.

FEServiceLocator.java, line 153 (Password Management: Empty Password)			
Fortify Priority:	High	Folder	Hot
Kingdom:	Security Features		
Abstract:	Empty passwords can compromise system security in a way that cannot be easily remedied.		
Sink:	FEServiceLocator.java:153 VariableAccess: password()		
151			
152	String user = "";		
153	String password = "";		
154			
155	try {		
Audit Sviluppo:	Issue su codice esistente		

Category: Password Management: Password in Configuration File (1 Issues)

**Abstract:**

Storing a plaintext password in a configuration file could result in a system compromise.

Explanation:

Storing a plaintext password in a configuration file allows anyone who can read the file access to the password-protected resource. Developers sometimes believe that they cannot defend the application from someone who has access to the configuration, but this attitude makes an attacker's job easier. Good password management guidelines require that a password never be stored in plaintext.

Recommendations:

A password should never be stored in plaintext. Instead, the password should be entered by an administrator when the system starts. If that approach is impractical, a less secure but often adequate solution is to obfuscate the password and scatter the de-obfuscation material around the system so that an attacker has to obtain and correctly combine multiple system resources to decipher the password.

Some third party products claim the ability to manage passwords in a more secure way. For example, WebSphere Application Server 4.x uses a simple XOR encryption algorithm for obfuscating values, but be skeptical about such facilities. WebSphere and other application servers offer outdated and relatively weak encryption mechanisms that are insufficient for security-sensitive environments. For a secure solution the only viable option is a proprietary one.

Tips:

Fortify searches configuration files for common names used for password properties. Audit these issues by verifying that the flagged entry is used as a password and that the password entry contains plaintext.

If the entry in the configuration file is a default password, require that it be changed in addition to requiring that it be obfuscated in the configuration file.

BootIdentity.properties, line 2 (Password Management: Password in Configuration File)

Fortify Priority:	High	Folder	Hot
Kingdom:	Environment		
Abstract:	Storing a plaintext password in a configuration file could result in a system compromise.		
Sink:	BootIdentity.properties:2 password() 2 password=<password in chiaro>		
Audit Sviluppo:	Issue su codice esistente		

Detailed Project Summary

Files Scanned

Code base location: C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW

Files Scanned:

domain/BootIdentity.properties 60 bytes Jun 29, 2012 12:02:56 PM
domain/config.xml 3.6 KB Jun 29, 2012 12:02:56 PM
mnpapp/properties/LOG_FE.xsd 2.7 KB Jun 29, 2012 12:03:03 PM
mnpapp/properties/log_fe.xml 8.9 KB Jun 29, 2012 12:03:03 PM
mnpapp/properties/log_sicurezza.xsd 1.5 KB Jun 29, 2012 12:03:03 PM
mnpapp/properties/logsicurezza.xml 591 bytes Jun 29, 2012 12:03:03 PM
mnpapp/properties/resources.properties 2.6 KB Oct 15, 2012 12:52:32 PM
mnpapp/properties/security.properties 426 bytes Jun 29, 2012 12:03:03 PM
mnpdev/build/build.properties 734 bytes Oct 15, 2012 12:52:31 PM
mnpdev/build/build.xml 8.1 KB Jun 29, 2012 12:02:56 PM
mnpdev/mnpgw/ear/META-INF/application.xml 431 bytes Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/ear/META-INF/weblogic-application.xml 257 bytes Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/ejb/META-INF/ejb-jar.xml 908 bytes Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/ejb/META-INF/weblogic-ejb-jar.xml 1 KB Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/src/mnp/exception/CriticalException.java 2 Lines 480 bytes Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/log/LoggableFE.java 363 bytes Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/src/mnp/log/ProcessLoggerFE.java 69 Lines 6 KB Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/src/mnp/manager/ReinvioManager.java 91 Lines 6.2 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/objects/FileInfo.java 16 Lines 1.5 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/objects/LogInfoFE.java 15 Lines 1.2 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/objects/LogProcessFE.java 7 Lines 983 bytes Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/securityLog/ActionLogMapping.java 9 Lines 613 bytes Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/ManagementServlet.java 31 Lines 3.2 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/ReceiveServlet.java 82 Lines 6.5 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/SendServlet.java 81 Lines 6.1 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/TestReceive.java 36 Lines 3 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/UploadServlet.java 103 Lines 8.3 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/XMLSaver.java 80 Lines 5.1 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/XMLSender.java 140 Lines 10.2 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/servlets/init/InitServlet.java 15 Lines 1.7 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/ApplicationCostants.java 4 Lines 408 bytes Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/CustomSSLSocketFactory.java 20 Lines 2.3 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/FEServiceLocator.java 47 Lines 5.1 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/Functions.java 80 Lines 7.1 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/OLOCommunicationManager.java 194 Lines 19 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/Resources.java 170 Lines 12.2 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/utility/SecurityLogLoader.java 27 Lines 1.9 KB Jun 29, 2012 12:02:58 PM
mnpdev/mnpgw/src/mnp/xml/MyListaLogProcessiFE.java 20 Lines 1.8 KB Jun 29, 2012 12:02:57 PM
mnpdev/mnpgw/web/WEB-INF/web.xml 3.6 KB Jun 29, 2012 12:02:59 PM
mnpdev/mnpgw/web/WEB-INF/weblogic.xml 265 bytes Jun 29, 2012 12:02:59 PM

Reference Elements

Classpath:

C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\FrontendProxy-client.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\SecBridge.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\castor-0.9.4.3.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\commons-fileupload-1.2.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\commons-io-1.3.2.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\dataBindingFE.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\databindingLogSec.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\datedFileAppender-1.0.2.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\ibmjceprovider.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\ibmjsseprovider.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\jakarta-regexp-1.1.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\log4j-1.2.7.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\logging.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\mnpgw-common.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\security-utility.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GW\mnppapp\lib\xercesImpl.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\mnpp\weblogic813_libs\weblogic.jar
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\mnpp\weblogic813_libs\webserviceclient+ssl.jar

Libdirs:

No libdirs specified during translation

Rulepacks

Valid Rulepacks:

Name: Fortify Secure Coding Rules, Core, Annotations

Version: 2009.4.0.0014

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

SKU: RUL13078

Name: Fortify Secure Coding Rules, Core, ColdFusion

Version: 2009.4.0.0014

ID: EEA7C678-058E-462A-8A59-AF925F7B7164

SKU: RUL13024

Name: Fortify Secure Coding Rules, Core, C/C++

Version: 2009.4.0.0014

ID: 711E0652-7494-42BE-94B1-DB3799418C7E

SKU: RUL13001

Name: Fortify Secure Coding Rules, Core, .NET

Version: 2009.4.0.0014

ID: D57210E5-E762-4112-97DD-019E61D32D0E

SKU: RUL13002

Name: Fortify Secure Coding Rules, Core, Java

Version: 2009.4.0.0014

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

SKU: RUL13003

Name: Fortify Secure Coding Rules, Core, JavaScript

Version: 2009.4.0.0014

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

SKU: RUL13059

Name: Fortify Secure Coding Rules, Core, PHP

Version: 2009.4.0.0014

ID: 343CBB32-087C-4A4E-8BD8-273B5F876069

SKU: RUL13058

Name: Fortify Secure Coding Rules, Core, Python

Version: 2009.4.0.0014

ID: FD15CBE4-E059-4CBB-914E-546BDCEB422B

SKU: RUL13083

Name: Fortify Secure Coding Rules, Core, SQL

Version: 2009.4.0.0014

ID: 6494160B-E1DB-41F5-9840-2B1609EE7649

SKU: RUL13004

Name: Fortify Secure Coding Rules, Core, Classic ASP, VBScript, and VB6

Version: 2009.4.0.0014

ID: 1D426B6F-8D33-4AD6-BBCE-237ABAFAB924

SKU: RUL13060

Name: Fortify Secure Coding Rules, Extended, Configuration

Version: 2009.4.0.0014

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

SKU: RUL13005

Name: Fortify Secure Coding Rules, Extended, Content

Version: 2009.4.0.0014

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

SKU: RUL13067

Name: Fortify Secure Coding Rules, Extended, C/C++

Version: 2009.4.0.0014

ID: BD4641AD-A6FF-4401-A8F4-6873272F2748

SKU: RUL13006

Name: Fortify Secure Coding Rules, Extended, .NET

Version: 2009.4.0.0014

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

SKU: RUL13027

Name: Fortify Secure Coding Rules, Extended, Java

Version: 2009.4.0.0014

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

SKU: RUL13007

Name: Fortify Secure Coding Rules, Extended, JSP

Version: 2009.4.0.0014

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

SKU: RUL13026

Name: Fortify Secure Coding Rules, Extended, SQL

Version: 2009.4.0.0014

ID: 4BC5B2FA-C209-4DBC-9C3E-1D3EEFAF135A

SKU: RUL13025

Properties

awt.toolkit=sun.awt.windows.WToolkit

com.fortify.AuthenticationKey=C:\Documents and Settings\Administrator\Local Settings\Application Data\Fortify/config/tools

com.fortify.Core=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\Core

com.fortify.InstallRoot=C:\Program Files\Fortify Software\Fortify 360 v2.5.0

com.fortify.InstallationUserName=Administrator

com.fortify.SCAExecutablePath=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\bin\sourceanalyzer.exe

com.fortify.TotalPhysicalMemory=3220684800

com.fortify.VS.RequireASPPrecompilation=true

com.fortify.WorkingDirectory=C:\Documents and Settings\Administrator\Local Settings\Application Data\Fortify

com.fortify.locale=en

com.fortify.sca.AllocationWebServiceURL=https://per-use.fortify.com/services/GasAllocationService

com.fortify.sca.BuildID=GATEWAYMNPDBC_MNP_GW

com.fortify.sca.BuildLabel=GATEWAYMNPDBC_MNP_GW_T2

com.fortify.sca.BundleControlflowIssues=true

com.fortify.sca.ClobberLogFile=true

com.fortify.sca.CtrlflowMaxFunctionTime=300000

com.fortify.sca.CustomRulesDir=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\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.DeadCodeFilter=true

com.fortify.sca.DeadCodeIgnoreTrivialPredicates=true

com.fortify.sca.Debug=

com.fortify.sca.DefaultAnalyzers=semantic:dataflow:controlflow:nullptr:configuration:content:structural:buffer

com.fortify.sca.DefaultFileTypes=java,jsp,jsp,sql,cfm,php,pks,pkh,pkb,xml,config,properties,dll,exe,inc,asp,vbscript,js,ini,bas,cls,vbs,frm,ctl,html,htm

com.fortify.sca.DefaultJarsDirs=default_jars

com.fortify.sca.DefaultRulesDir=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\Core\config\rules

com.fortify.sca.DisableDeadCodeElimination=false

com.fortify.sca.DisableFunctionPointers=false

com.fortify.sca.DisableGlobals=false

com.fortify.sca.DisplayProgress=true

com.fortify.sca.FVDLAllowUnifiedVulnerability=true

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com.fortify.sca.FVDLDisableDescriptions=false
com.fortify.sca.FVDLDisableProgramData=false
com.fortify.sca.FVDLDisableSnippets=false
com.fortify.sca.FVDLStylesheet=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\Core/resources/sca/fvdl2html.xml
com.fortify.sca.IndirectCallGraphBuilders=com.fortify.sca.analyzer.callgraph.VirtualCGBuilder,com.fortify.sca.analyzer.callgraph.J2EEIndirectCGBuilder,com.fortify.sca.analyzer.callgraph.JNICGBuilder,com.fortify.sca.analyzer.callgraph.StoredProcedureResolver,com.fortify.sca.analyzer.callgraph.JavaWSCGBuilder,com.fortify.sca.analyzer.callgraph.StrutsCGBuilder,com.fortify.sca.analyzer.callgraph.DotNetWSCGBuilder,com.fortify.sca.analyzer.callgraph.SqlServerSPResolver
com.fortify.sca.JVMArgs=-XX:SoftRefLRUPolicyMSPerMB=100 -Xss1M -Xmx600M -Xms300M -server
com.fortify.sca.JdkVersion=1.4
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com.fortify.sca.LowSeverityCutoff=1.0
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v2.5.0\Core\config\tank.b00508#2297579#1#
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com.fortify.sca.Verbose=
com.fortify.sca.compilers.ant=com.fortify.sca.util.compilers.AntAdapter
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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
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com.fortify.sca.compilers.gplusplus=com.fortify.sca.util.compilers.GppCompiler
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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.link=com.fortify.sca.util.compilers.MicrosoftLinker
```

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com.fortify.sca.cpfe.options=--remove_unneeded_entities --suppress_vtbl -tused
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com.fortify.sca.fileextensions.asp=ASP
com.fortify.sca.fileextensions.bas=VB6
com.fortify.sca.fileextensions.c=C
com.fortify.sca.fileextensions.cfm=CFML
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com.fortify.sca.fileextensions.ini=JAVA_PROPERTIES
com.fortify.sca.fileextensions.java=JAVA
com.fortify.sca.fileextensions.jcs=JAVA
com.fortify.sca.fileextensions.jcx=JAVA
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dotnet.v35.referenceAssemblies=c:\Program Files\Reference Assemblies\Microsoft\Framework\v3.5
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java.ext.dirs=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\ext;C:\WINDOWS\Sun\Java\lib\ext

java.home=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre

java.io.tmpdir=C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\

java.library.path=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\bin;.C:\WINDOWS\Sun\Java\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\PTA;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\bin;C:\oracle\product\9\client\bin;C:\Program Files\Oracle\jre\1.3.1\bin;C:\Program Files\Oracle\jre\1.1.8\bin;C:\oracle\product\10.2.0\client_2\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\system32\WindowsPowerShell\v1.0;C:\tibco\tibrv\BIN;C:\Program Files\IDM Computer Solutions\UltraEdit-32

java.runtime.name=Java(TM) SE Runtime Environment

java.runtime.version=1.6.0_14-b08

java.specification.name=Java Platform API Specification

java.specification.vendor=Sun Microsystems Inc.

java.specification.version=1.6

java.vendor=Sun Microsystems Inc.

java.vendor.url=http://java.sun.com/

java.vendor.url.bug=http://java.sun.com/cgi-bin/bugreport.cgi

java.version=1.6.0_14

java.vm.info=mixed mode

java.vm.name=Java HotSpot(TM) Server VM

java.vm.specification.name=Java Virtual Machine Specification

java.vm.specification.vendor=Sun Microsystems Inc.

java.vm.specification.version=1.0

java.vm.vendor=Sun Microsystems Inc.

java.vm.version=14.0-b16

```
line.separator=

max.file.path.length=255
os.arch=x86
os.name=Windows XP
os.version=5.1
path.separator=;
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stdout.isatty=true
sun.arch.data.model=32
sun.boot.class.path=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\resources.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\rt.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\sunrsasign.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\jsse.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\jce.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\lib\charsets.jar;C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\classes
sun.boot.library.path=C:\Program Files\Fortify Software\Fortify 360 v2.5.0\jre\bin
sun.cpu.endian=little
sun.cpu.isalist=pentium_pro+mmx pentium_pro pentium+mmx pentium i486 i386 i86
sun.desktop=windows
sun.io.unicode.encoding=UnicodeLittle
sun.java.launcher=SUN_STANDARD
sun.jnu.encoding=Cp1252
sun.management.compiler=HotSpot Tiered Compilers
sun.os.patch.level=Service Pack 3
user.country=US
user.dir=C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\FortifyDBC
user.home=C:\Documents and Settings\Administrator
user.language=en
user.name=Administrator
user.timezone=Europe/Berlin
user.variant=
win32.LocalAppdata=C:\Documents and Settings\Administrator\Local Settings\Application Data
```

Commandline Arguments

```
-b
GATEWAYMNPDBC_MNP_GW
-scan
-build-label
GATEWAYMNPDBC_MNP_GW_T2
-debug
-verbose
-logfile
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GATEWAYMNPDBC_MNP_GW.log
-f
C:\Fortify\SCANSIONE_FORTIFY_DBCMNP\GATEWAYMNPDBC_MNP_GW.fpr
```

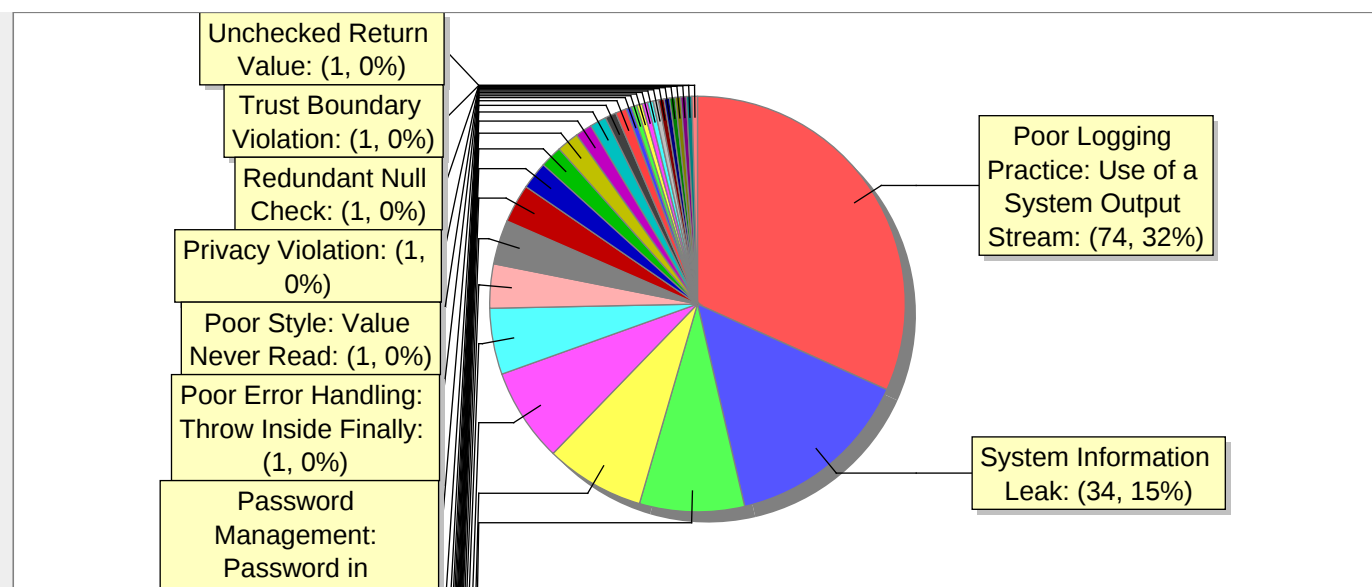
Warnings

No warnings occurred during analysis

Issue Count by Category	
Issues by Category	
Poor Logging Practice: Use of a System Output Stream	74
System Information Leak	34
Poor Error Handling: Overly Broad Catch	19
Poor Error Handling: Overly Broad Throws	18
Path Manipulation	17
Unreleased Resource: Streams	12
Often Misused: Authentication	8
System Information Leak: Missing Catch Block	8
Poor Error Handling: Empty Catch Block	7
Null Dereference	5
Password Management: Null Password	4
Weak XML Schema: Unbounded Occurrences	4
HTTP Verb Tampering	3
Resource Injection	3
Race Condition: Singleton Member Field	2
Setting Manipulation	2
Dead Code: Unused Method	1
Missing Check against Null	1
Often Misused: File Upload	1
Password Management	1
Password Management: Empty Password	1
Password Management: Password in Comment	1
Password Management: Password in Configuration File	1
Poor Error Handling: Throw Inside Finally	1
Poor Style: Value Never Read	1
Privacy Violation	1
Redundant Null Check	1
Trust Boundary Violation	1
Unchecked Return Value	1

Issue Breakdown by Analysis

Issues by



- Poor Logging Practice: Use of a System Output Stream ● System Information Leak
- Poor Error Handling: Overly Broad Catch ● Poor Error Handling: Overly Broad Throws
- Path Manipulation ● Unreleased Resource: Streams ● Often Misused: Authentication
- System Information Leak: Missing Catch Block ● Poor Error Handling: Empty Catch Block
- Null Dereference ● Password Management: Null Password
- Weak XML Schema: Unbounded Occurrences ● HTTP Verb Tampering
- Resource Injection ● Race Condition: Singleton Member Field ● Setting Manipulation
- Dead Code: Unused Method ● Missing Check against Null ● Often Misused: File Upload
- Password Management ● Password Management: Empty Password
- Password Management: Password in Comment
- Password Management: Password in Configuration File
- Poor Error Handling: Throw Inside Finally ● Poor Style: Value Never Read
- Privacy Violation ● Redundant Null Check ● Trust Boundary Violation
- Unchecked Return Value