Security Issue with JRE 1.7.0 51

Issue

With recent version of Java release 1.7.0_51 users encounter security warning messages, when signed applets are run within Internet Explorer. In such environments, customers using ISD 11.2 and earlier versions might see the following Warnings or error messages.

1. This application will be blocked in a future Java security update because the JAR file manifest does not contain the Permissions attribute. Please contact the Publisher for more information.

Do you want	to run this	application?	×
((()	Publisher: Location:	INTEGRISIGN http://esignemcee.net	
This application will run with unrestricted access which may put your computer and personal information at risk. Run this application only if you trust the location and publisher above.			
This application will be blocked in a future Java security update because the JAR file manifest does not contain the Permissions attribute. Please contact the Publisher for more information. More Information			

2. java.lang.SecurityException: Missing required Permissions manifest attribute in main jar: http://demo.com/ISD/websignsunjvm.jar



Fix

The security warning issue can be solved by following any one of the following two fixes. First one is a work around solution and the second one involves updating the websignsunjvm.jar (which has all the required entries to overcome security warning).

Fix 1

Adding the domain name of the web site hosting ISD WebSign Java applet to trusted list of Java Plug-in will resolve this issue. Follow the steps below to

- 1. Open Java Control Panel Applet (Start->Programs->Control Panel-> Java).
- 2. Go to Security Tab and click on Edit Site List... Button under Exception Site List section.

<u>\$</u> ,	Java Control Panel	- 🗆 🗙
General Undate Java Sec	curity Advanced	
<u>\$</u>	Exception Site List	×
Applications launched from the prompts.	sites listed below will be allowed to run at	fter the appropriate security
Click Add to add a	n item to this list.	
	are considered a security risk. TPS sites where available.	Add Remove
to add items to this list.		Edit Site List
	Restore Security Prompts	Manage Certificates
	OK	Cancel Apply

3. Click on Add button to enter the location e.g. http://demo.com/ (is the domain or server name where the applet is hosted or published) and click on OK button. Adding non HTTPS sites might show some warning messages, ignore them.

🛓 Exception Site List	×
Applications launched from the sites listed below will be allowed to run after the appropriate se prompts.	ecurity
Location http://demo.com	
Add FILE and HTTP protocols are considered a security risk. We recommend using HTTPS sites where available.	<u>R</u> emove
ОК	Cancel

📓 Java Control Panel – 🗆 🗙		
General Update Java Security Advanced		
✓ Enable Java content in the browser		
Security Level		
Very High		
- High (minimum recommended)		
- Medium		
Most secure setting - Only Java applications identified by a non-expired certificate from a trusted authority will be allowed to run.		
Exception Site List		
Applications launched from the sites listed below will be allowed to run after the appropriate security prompts.		
http://demo.com		
<u>R</u> estore Security Prompts <u>Manage Certificates</u>		
OK Cancel Apply		

4. Next step is to clean the Plug-in cache. Go To General tab, click on Setting button under Temporary Internet Files and click on delete files. Make sure to check Installed Applications and Applets check box and click OK.

	🛃 🛛 Java Contro	ol Panel 🚽 🗆 🗙
	General Update Java Security Advanced	
Tempo	rary Files Settings	
Keep temporary files on my comput	er.	About
Location		
Select the location where tempora	ary files are kept:	ections. By default, Java will use the network
:\Users\uurmi\AppData\LocalLow	Sun\Java\Deployment\cache Change	ould modify these settings.
		Network Settings
Disk Space		
Select the compression level for J		al folder for quick execution later. Only
Set the amount of disk space for s	storing temporary files:	tings.
Delete Files and Applications	32768 🔶 MB	Settings View
Delete the following files?	Delete Files Restore Defaults	ab
✓ Trace and Log Files	OK Cancel	
 Cached Applications and Applets 		
 Installed Applications and Applets 		
OK Cancel		
		OK Cancel Apply
OK Cancel		OK Cancel Apply

5. Close the Java applet and start IE and then access the web page hosting WebSign Applet.

Fix 2

1. Update the websignsunjvm.jar with the latest (version 11.2.0.1). The new jar has all the entries required to bypass the security warnings. Please make sure to update the version of the jar file in the HTML tags of the web page to 11.2.0.1

2. Open Java Control Panel Applet (Start->Programs->Control Panel-> Java) and clean the Plugin cache. Go To General tab, click on Setting button under Temporary Internet Files and click on delete files. Make sure to check Installed Applications and Applets check box and click OK.

	🛃 🛛 Java Contro	ol Panel – 🗆 🗡
	General Update Java Security Advanced	
Tempo	rary Files Settings ×	
 Keep temporary files on my compute Location Select the location where tempora \Users\uurmi\AppData\LocalLow Disk Space Select the compression level for J Set the amount of disk space for 	ary files are kept: \Sun\Java\Peployment\cache Change	About ections. By default, Java will use the network ould modify these settings. Network Settings al folder for quick execution later. Only ttings.
Delete Files and Applications	1 1 1 1 1 1 1 32768 → MB	Settings View
Delete the following files?	Delete Files Restore Defaults	зb
 Trace and Log Files Cached Applications and Applets 	OK Cancel	
Installed Applications and Applets OK Cancel		OK Cancel Apply

3. Close Java Applet, Start IE, Clean IE Temporary Internet Files then access the WebSign hosted web page. One will see the below dialog instead of the regular one.

x Do you want to run this application?			
S	4	Name:	IntegriSign WebSign
	se la companya de la	Publisher:	INTEGRISIGN
		Location:	http://esignemcee.net
This application will run with unrestricted access which may put your computer and personal information at risk. Run this application only if you trust the location and publisher above.			
Do not show this again for apps from the publisher and location above			
Û	More Informa	ation	<u>R</u> un Cancel