

How to Use the Java Exception Tool (JET) to Automate the SVP Workaround

****This article is only visible to Employees and Service Partners****

Objective

How to use the service processor (SVP) Java Exception Tool (JET), which automates the workaround for backing up and configuring local Java settings to allow SVP communication with an expired Java digital signature. See [Alert A2019020802](#).

Environment

- VSP G1000, VSP G1500, VSP F1500
 - VSP G130, G350, G/F370, G/F700, G/F900
 - VSP G200, G/F400, G/F600, G/F800
 - HUS VM
 - Virtual Storage Platform
 - Java v7 (1.7.0_55 or later)
 - Java v8 (1.8.0_5 or later)
 - **Note that Java v6 is not affected.**
 - **Note that multiple Java runtime environments installs are not supported.**
-

Procedure

View the video tutorial or follow the written instructions below. Use this tool only on the SVP, not on client PCs or servers.



Media, iframe, embed and object tags are not supported inside of a PDF.

The following Java configuration files will be modified by this tool:

- *.\\Users\\[username] \\AppData\\LocalLow\\Sun\\Java\\Deployment\\security\\exception.sites
- *.\\Users\\[username] \\AppData\\LocalLow\\Sun\\Java\\Deployment\\deployment.properties

There are separate sections in this article for SVPs running Microsoft® Windows®:

- With Powershell (Windows 7, Windows 10, Windows Server 20xx)
- Without Powershell (Microsoft® Windows Vista® Business)

Operations in Microsoft Windows with Powershell (Microsoft® Windows® 7, Windows 10, Windows Server® 20xx)

1. To apply changes, run the batch script: run_svp_jet.bat. This batch file will open a Powershell instance with ExecutionPolicy set to Unrestricted and run svp_jet_win7_win10.ps1



```
[Hitachi Vantara VSP Java Exception Tool]
This script modifies the local Java settings to allow VSP communication for alert number A2019020802r0.

Current output directory K:\Code\svp_jet\svp_jet_backup_2019021513\

Select an option:
1) Check Java Settings
2) Backup Configuration and Apply Changes
3) Backup Configuration Only
4) Restore Configuration
0) Exit
Enter a value: _
```

2. Select option 1 (Check Java Settings) and review the changes that will occur. Scroll as needed to review all information.

This option will check the installed version of Java and list whether the parameters in exception.sites and deployment.properties will be changed.

The files exception.sites and deployment.properties may not exist. If this occurs, it's expected behavior and the script will create the files.

Output example for changes to both configuration files:

```
[Check Java Settings]
Target Java versions:
Java 1.7.0_55 or later
Java 1.8.0_5 or later

Current 'java -version' output:
java version "1.8.0_191" Java(TM) SE Runtime Environment (build 1.8.0_191-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.191-b12, mixed mode)
Picked up JAVA_TOOL_OPTIONS: -Djava.vendor="Sun Microsystems, Inc"

Java version is greater than or equal to 1.7.0_55 or 1.8.0_5.

Current Java 'Exception Site List' Entries:
http://192.168.133.1
https://192.168.133.1
http://192.168.40.1
https://192.168.40.1
http://127.0.0.1
https://127.0.0.1

Missing Java 'Exception Site List' Entries:
http://10.5.18.124
https://10.5.18.124
http://169.254.32.186
https://169.254.32.186
http://localhost
https://localhost
http://localhost
https://localhost

Current Java 'Perform signed code revocation checks on' Setting:
Not configured. Requires change.

Press Enter to continue:
```

3. Select option 2 (Backup Configuration and Apply Changes). Input 'yes' (with no quotes) to apply the changes.

```
[Apply Changes]
You are about to make security changes to the Java configuration of this OS.

The local IPs/hostnames will be added to the 'Exception Site List'.

Certificate Revocation Checks' will be disabled.

The configuration will be backed up to K:\[redacted]\svp_jet_backup_2019021548\

Enter 'yes' to continue with the changes:
```

A backup of exception.sites and deployment.properties will be placed in the directory `svp_jet_backup_[timestamp]` before the changes are applied. The changed settings will be reflected in the output:



```

Adding local IP/hostname to Java exception site list:
Backup of exception.sites copied to K:\[redacted]\svp_jet_backup_2019021507\
Printing content of C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites\
http://10.5.18.124
https://10.5.18.124
https://192.168.133.1
https://192.168.133.1
http://192.168.40.1
https://192.168.40.1
http://169.254.32.186
https://169.254.32.186
http://127.0.0.1
https://127.0.0.1
http://localhost
https://localhost

Modifying Certificate Revocation Check:
Backup of deployment.properties copied to K:\[redacted]\svp_jet_backup_2019021507\
Changing 'Perform certificate revocation checks on' to 'Do not check':
Old Value:
New Value: deployment.security.revocation.check=NO_CHECK
Press Enter to continue:

```

Restoring Configuration from Backup

1. From the menu, select option 4 (Restore Configuration).
2. Enter the full path of the directory containing exception.sites and deployment.properties.

```

[Restore Configuration]
Enter path of backup files (deployment.properties, exception.sites): c:\[redacted]
c:\[redacted]\deployment.properties found.
Copying to C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\deployment.properties
c:\[redacted]\exception.sites found.
Copying to C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites
Press Enter to continue:

```

Operations on SVP without Powershell (Microsoft® Windows Vista® Business)

NOTE: Do not use 'Run as administrator' to run this script.

1. Run the batch script: `svp_jet_winvista.bat`.
2. Press any key to apply the changes.

```

Hitachi Vantara SVP Java Exception Tool for Windows Vista Business
This script adds local addresses to the Java Exception Sites list and disables Certificate Revocation Checks.
** DO NOT RUN AS ADMINISTRATOR **
Current 'java -version' output:
Picked up JAVA_TOOL_OPTIONS='-Djava.vendor="Sun Microsystems, Inc"'
Java version "1.8.0_191"
Java(TM) SE Runtime Environment (build 1.8.0_191-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.191-b12, mixed mode)
Press any key to continue . . .
Copying C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites to K:\svp_jet_winvista\svp_jet_backup\
C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites
1 File(s) copied
Copying C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\deployment.properties to K:\svp_jet_winvista\svp_jet_backup\
C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\deployment.properties
1 File(s) copied
Configuring IPs in C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites
Changing deployment.security.revocation.check parameter in C:\Users\[redacted]\AppData\LocalLow\Sun\Java\Deployment\deployment.properties
1 file(s) moved.
Clearing Java Web Start cache.
Batch file complete. Backups are located in K:\svp_jet_winvista\svp_jet_backup\
Press any key to continue . . .

```

The backups will be placed in the directory “svp_jet_backup” where the script was run. If these files already exist, the script will ask to overwrite.

Restoring the configuration from backup requires overwriting the backup files to their original locations:

- C:\Users\\AppData\LocalLow\Sun\Java\Deployment\security\exceptions.sites



https://knowledge.hitachivantara.com/Knowledge/Storage/VSP_G1X00_and_VSP_F1500/How_to_Use_the_Java_Exception_Tool

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Powered by

- C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\deployment.properties

This script assumes the Java path is set in the environment variables. This is only used to display the current Java version and clear the Java Web Start cache.

Errors with the Java path DO NOT affect the script's functionality.

```
Hitachi Vantara SVP Java Exception Tool for Windows Vista Business
This script adds local addresses to the Java Exception Sites list and disables Certificate Revocation Checks.
** DO NOT RUN AS ADMINISTRATOR **

Current 'java -version' output:
'java' is not recognized as an internal or external command,
operable program or batch file.

Press any key to continue . . .

Copying C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites to K:\sfp_jet_winvista\sfp_jet_backup\
C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites
1 File(s) copied

Copying C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\deployment.properties to K:\sfp_jet_winvista\sfp_jet_backup\
C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\deployment.properties
1 File(s) copied

Configuring IPs in C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\security\exception.sites
Changing deployment.security.revocation.check parameter in C:\Users\<username>\AppData\LocalLow\Sun\Java\Deployment\deployment.properties.
1 file(s) moved.

Clearing Java Web Start cache.
'javaws' is not recognized as an internal or external command,
operable program or batch file.

Batch File complete. Backups are located in K:\sfp_jet_winvista\sfp_jet_backup\
Press any key to continue . . .
```

Additional Notes

Click the link for your product below and select **Java Exception Tool for SVPs** from the version drop-down list. Click the **Download** button next to the applicable operating system, and accept the terms.

- [VSP Gx00 and Fx00](#)
- [VSP G1X00 and VSP F1500](#)
- [VSP G130 G/F350 G/F370 G/F700 G/F900](#)

For [VSP](#) or [HUS VM](#), click the link and find the Java Exception SVP tool from the list. Click the **Download** button next to the applicable operating system, and accept the terms.

Internal Notes

