

CA Mainframe Software Manager™

Prerequisite Validator Version 5.0



50000068XU1CL

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CA Technologies Product References

This document references the following CA Technologies products:

- CA Mainframe Software Manager™ (CA MSM)

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Chapter 1: Prerequisite Validator

The CA MSM Prerequisite Validator is a utility that lets you verify that you have all necessary authorizations in place before you attempt to install CA MSM.

The packed CA MSM Prerequisite Validator product package is available on the CA Mainframe Software Manager page in the Download Center on [the CA Support Online website](#). You can download and unpack it in the same way you download and unpack other CA MSM files.

Prerequisite Validator Requirements

You must have the following minimum requirements to use this utility:

- z/OS version 1.11 or above
- OMVS segment for the user
- Java 6.0
 - Your system has IBM Java SDK for z/OS:
 - Java 6.0, build 2.4, at maintenance level SR8 (31-bit only)
 - Java 6.0, build 2.4, at maintenance level SR9 (31-bit or 64-bit)
 - Java 6.0, build 2.6, base build (31-bit or 64-bit)

Note: Java 6.0, build 2.6 is the equivalent of IBM Java 6.0.1. For Java 6.0, install PTF UK56434, APAR PM08437, SDK6 SR8.

CA MSM does *not* support Java 7.0.
- Minimum TSO REGION size 128 MB
- BPX.SERVER READ resource access for verifying SAF resources that are required for CA MSM installation

Note: The Prerequisite Validator Utility verifies user access to particular resources and does *not* verify general user access rights (for example, NORESCHK for CA Top Secret for z/OS). The Prerequisite Verification report may indicate that you do not have access to the resources.

Execute from Native USS

The Prerequisite Validator utility can be executed directly from the native USS command prompt.

Follow these steps:

1. Download the Prerequisite Validator pax file to a directory in your USS environment.
2. Change to the directory where you downloaded the Prerequisite Validator pax file using the following command:

```
cd path_where_prerequisite_validator_is_downloaded
```

For example:

```
cd /u/users/MSMpre
```

3. Issue the following command:

```
pax -rvf 50000068XU1.pax.Z
```

Note: The full pax file name, including the .Z suffix, is case-sensitive. Verify that you use the exact case of the file name on the system where you issue the pax command. Rename the file, if necessary.

The Bin folder contents are extracted.

4. Issue the following command:

```
cd Bin
```

5. Modify the [default properties file parameters](#) (see page 6) if necessary.

6. Issue the following command to invoke the utility:

```
./MSMva1.sh JavaHomePath
```

For example:

```
./MSMva1.sh /usr/lpp/java/J6.0
```

The license agreement appears.

7. Review the license agreement, and press F3.

You are prompted to accept the agreement.

8. Enter Y to accept the agreement.

The utility gathers the hostname and IP address from the system and attempts an FTP connection to verify the JESINTERFACELEVEL.

9. Provide the hostname in response to the prompt if the gathered hostname fails to connect. Alternatively, you can provide this value using the default properties file as documented in the subsequent section.

At the end of a successful execution, the Prerequisite Verification report appears in browse mode and the following files are generated:

- MSMPre-RequisiteVerificationReport.txt
- MSMPre-RequisiteLogyyyy-mm-dd,hh-mm-ss,ttt.log

Setting Default Values

The following file lets you set default values per your site requirements:

unpax_directory/Bin/lib/MSMSetupDefault.properties

This file contains the following parameters:

Hostname or IP Address

HOSTNAME=

Specify the hostname or IP address of your system. The Prerequisite Validator utility uses the hostname or the IP address of your system to test the FTP connection and to verify the JESINTERFACELEVEL value.

Local Host FTP Port

ftp.port=

Specify the FTP port number for the hostname or IP address you specified. The Prerequisite Validator utility tests the FTP connection and verifies the JESINTERFACELEVEL value.

Default: 21

Authorization for Issuing FTP Command

ftp.stat.check.credential=

Specify ftp.stat.check.credential=y if your site requires authorization to issue FTP quote STAT commands. The command appears in the log as follows:

```
503 Login required, enter USER
```

When set to **y**, the utility prompts you for a user ID and password.

Default: n

Proxy Server for FTP Request

The following parameters are related to FTP proxy checks. Set the parameter to **yes** to activate FTP check through proxy.

```
ftp.proxy.enabled=  
ftp.proxy.host=  
ftp.proxy.port=  
ftp.proxy.credential.check=  
ftp.proxy.fireCmd.proxy_userid=  
ftp.proxy.fireCmd.site=  
ftp.proxy.fireCmd.acct=  
ftp.advanced.session.options=
```

The utility verifies the connection to the external CA Support FTP servers. If your site requires these requests to go through a proxy server, then modify these parameters as shown in the following example:

```
ftp.proxy.enabled=yes  
ftp.proxy.host=hostname_or_IP_address  
ftp.proxy.port=port_number  
ftp.proxy.credential.check=n_or_y
```

When ftp.proxy.credential.check=y, change the following:

```
ftp.proxy.fireCmd.proxy_userid=proxy_userid
```

The following parameters can be changed based on your proxy requirements:

```
ftp.proxy.fireCmd.site=  
ftp.proxy.fireCmd.acct=  
ftp.advanced.session.options=
```

Proxy Server for HTTP Request

The following parameters are related to HTTP proxy checks. Set the following parameter to **yes** to activate HTTP check through proxy.

```
http.proxy.enabled=  
http.proxy.host=  
http.proxy.port=80  
http.proxy.credential.check=  
http.proxy.type=  
http.domain=
```

The utility verifies the connection to the external CA Support HTTP servers. If your site requires these requests to go through a proxy server, then modify these parameters as shown in the following example:

```
http.proxy.enabled=yes  
http.proxy.host=company_proxy_name  
http.proxy.port=80  
http.proxy.credential.check=y_or_n  
http.proxy.type=NTLM  
http.domain=company_domain_name
```

SAF Resource Access Check

SafSecurityResourceAccess=

The utility verifies user access for the following resources:

BPX.SERVER(UPDATE)

BPX.FILEATTR.SHARELIB(READ)

BPX.FILEATTR.PROGCTL(READ)

BPX.FILEATTR.APF(READ)

Specify SafSecurityResourceAccess=n to turn off the resource access check.

Default: y