IBM® Software

Maximo Manage Autodesk Viewer Plug-in Install Guide

Document version 8.x

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Contents

[1 Installation Instructions 4](#_Toc464857550)

[1.1 Supported Version 4](#_Toc464857551)

[1.2 Deploy Viewer Plugin 4](#_Toc464857552)

[1.3 Import Autodesk Certificates 5](#_Toc464857553)

[1.4 Configure BIM directories using PVC 6](#_Toc464857554)

[1.5 Monitoring Build 6](#_Toc464857555)

[1.6 Configure System Properties 7](#_Toc464857558)[8](#_Toc464857559)

# Installation Instructions

## Supported Version

This version of the Autodesk Viewer Plug-in is only intended for install on Maximo Manage 8.x or higher.

*The Autodesk Viewer uses REST and the Maximo integration Framework. To function it must be able to authenticate to the Maximo REST API using the UI session context.*

|  |  |
| --- | --- |
| Tip | If your Maximo environment is virtualized, create a snapshot before starting the install. |

## Deploy the Maximo Autodesk Viewer Plugin, customization.zip and configure BIM directories using PVC

1. Log in to Maximo Application Suite as a system administrator.
2. From the catalog, on the **Applications** tab, select the Manage tile.
3. On the application details page, click **Actions** and select **Update configuration**.

A screenshot of a computer

Description automatically generated

1. In the **Customization** row on the Update Manage configuration window, click the **Edit** icon.
2. In the Customization section of the configuration window, specify the URL for the BIM archive file.
   * Note – The BIM archive is a .zip included in zip download from the community site. *(Example – Manage-BIMFV-10242023.zip)*
3. In the Persistent Volume claims section of the configuration window, specify the following persistent volumes that will be used to store BIM files.

|  |  |  |
| --- | --- | --- |
| Mount Path | PVC Name | Size |
| **/bim/Models** | bim-models | 100MI |
| **/bim/docs** | bim-docs | 100MI |
| **/bim/import** | bim-import | 100MI |

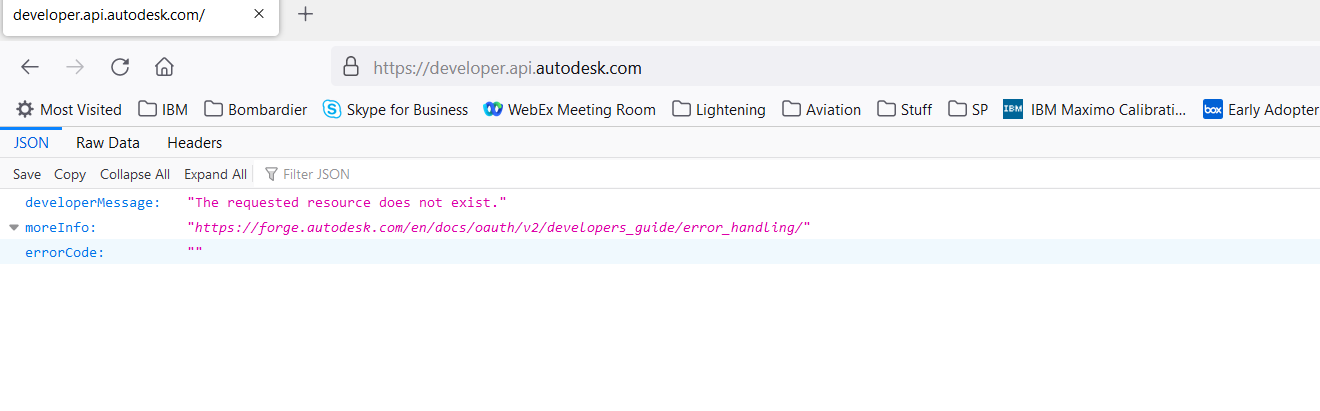
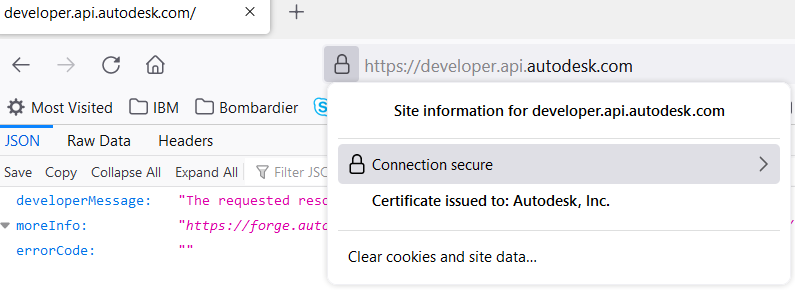
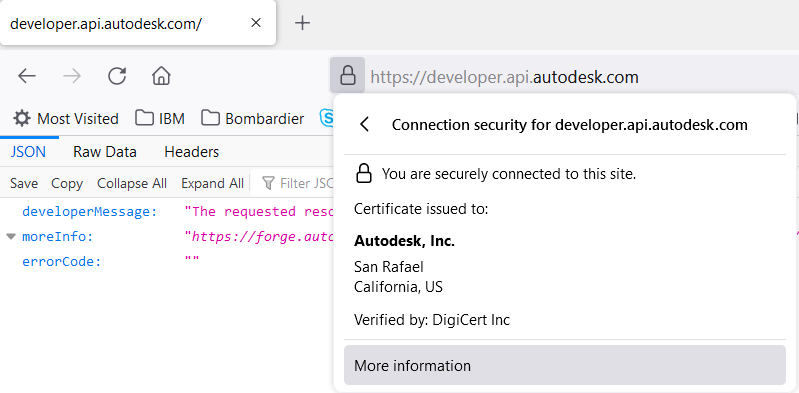
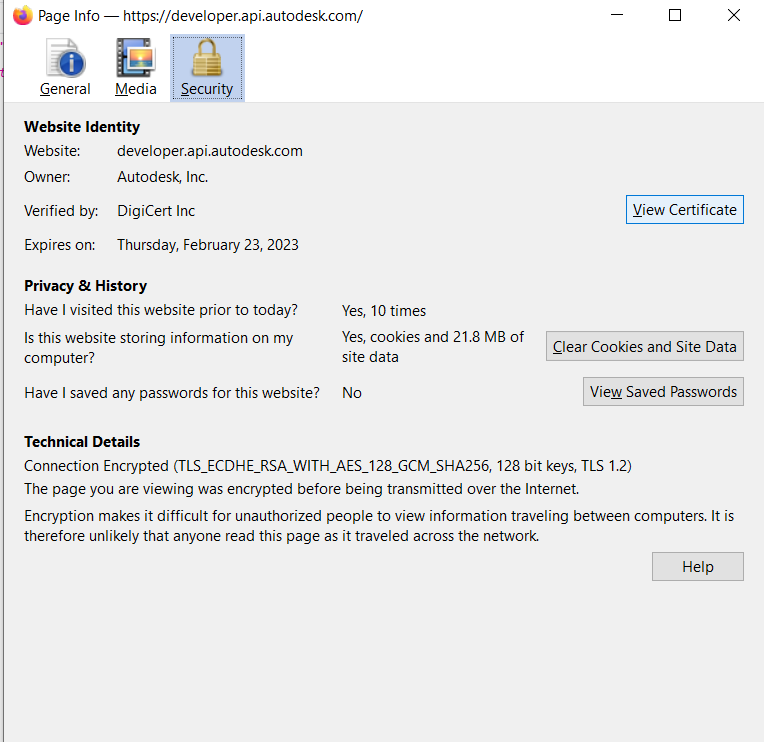
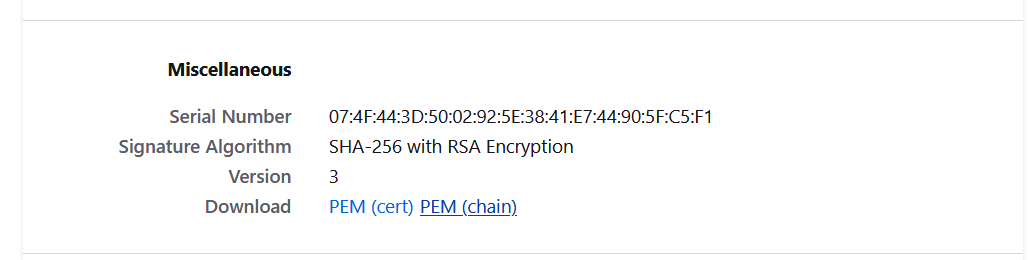
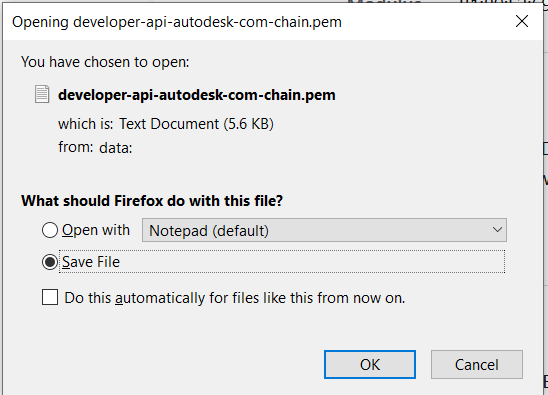
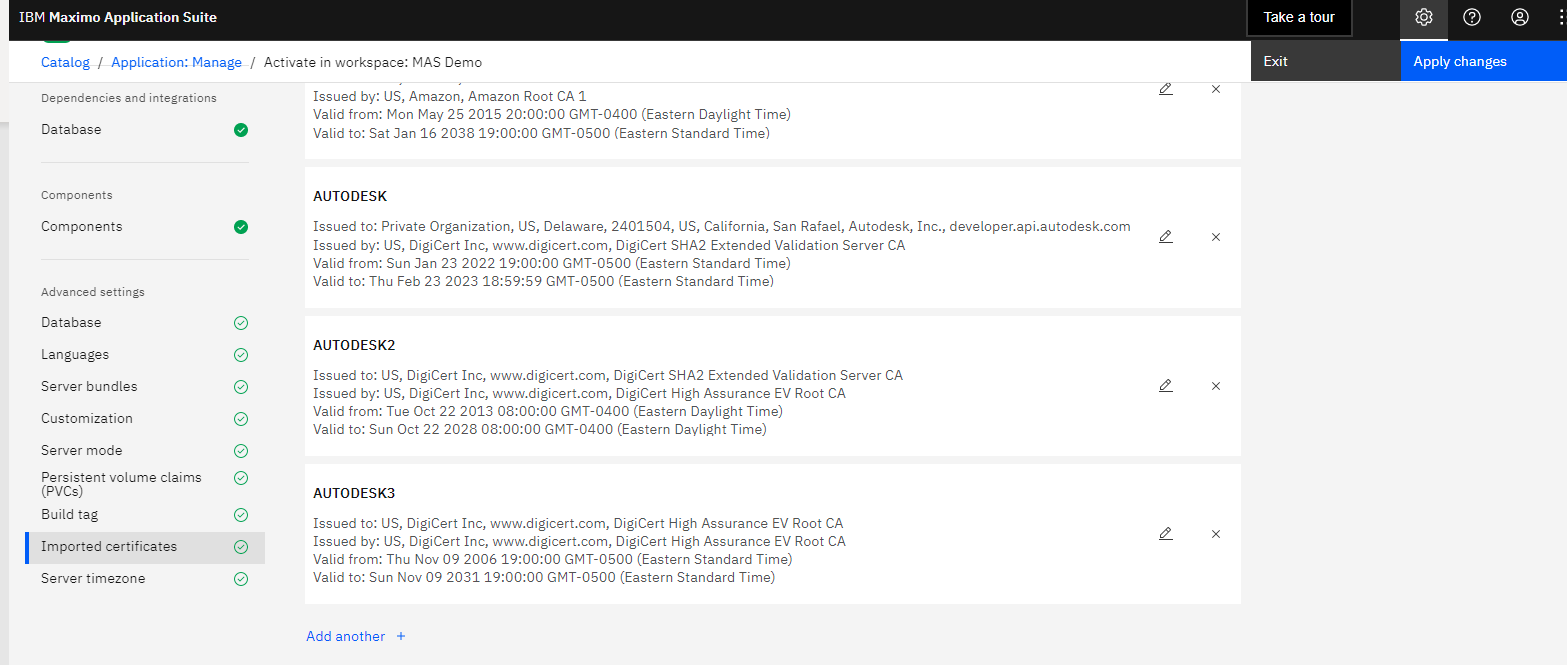
A screenshot of a computer

Description automatically generated

1. After you have completed the configuration of manage click the **Apply Changes** button. The activation in the MAS workspace could take a few hours before the build is completed.

## Import Autodesk SSL Certificate

If the Autodesk Viewer is used, the MAS server must make an SSL connection to the Autodesk cloud services. The service uses a VeriSign signed certificate. By default, the VeriSign root certificate is not in the WebSphere trust store, so the Autodesk certificate is not trusted and the connections fails. The certificate can be imported in the MAS Manage System console.

1. Go to Forge API in Firefox browser.
2. <https://developer.api.autodesk.com>
3. 
4. 
5. 
6. 
7. 
8. 
9. Open with Notepad
10. Copy 1st certificate section from -----BEGIN CERTIFICATE to END CERTIFICATE--------
11. Log into MAS and Open Suite Administration
12. Click on Catalog
13. Click on Manage
14. Under Setting, select Imported Certificates.
15. Click on Edit Setting option.
16. At the bottom select Add another + option
17. Enter an alias such as ‘AUTODESK’ and paste the copy from step 1 into this Certificate content section.
18. Repeat this step until all certificate sections have been added.
19. 
20. Then select Apply Changes.
21. Alternative is to follow the steps listed here to import the certificate to MAS: https://www.ibm.com/docs/en/maximo-manage/continuous-delivery?topic=administering-trusted-certificates

## Configure System Properties

To configure system properties:

* Goto->System Configuration->Platform Configuration->System Properties
* Click the twisty to display the filter.
* Enter bim in the property name filter field and press enter.
* When you have updated properties as described below, check the box to the left of the properties you have edited to select them and select live refresh from the toolbar.

### APS Key and Secret

The Autodesk Viewer is a cloud based WebGL application to use it you must have an account with Autodesk and credentials for the Autodesk Platform Service. The version of the viewer provided for 3rd party integration is different from that used by BIM360 accounts and requires separate credentials. You may sign up for a trail here:

<https://aps.autodesk.com/>

Once you acquire your Key and Secret from Autodesk they must be installed into Maximo. To do so, set the following System Properties:

'bim.viewer.LMV.key'

'bim.viewer.LMV.secret'

### Working Directory

You may override the default values specified for the working directories in the Maximo system properties. They are:

* bim.import.dir => /bim/import
* bim.model.dir => /bim/models
* bim.import.docdir => /bim/docs

Insure that these directories exist

### Selecting the Active Viewer

Multiple viewer plug-ins may be installed in a single Maximo instance. However, only one viewer may be active at a time. The active viewer is selected vie the system property:

bim.viewer.active

Valid values are:

***lmv*** – To select the Forge Viewer

***vendor*** – To deactivate all viewers

Additional values may be defined by 3rd party viewers

The Forge viewer install sets the value to “***lmv***”

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