|  |  |
| --- | --- |
| Upgrade Testing  Moving from One Version/Release to Another | Abstract  Our definition of an Upgrade is when we move from one Version/Release to the next. As currently designed, you must apply each Version/Release level of the software to move from X to X+1. If moving multiple levels, you would have to apply the appropriate kit for each level. Say you wanted to move from 25.1 to 25.3. You would first apply the 25.2 kit and then the 25.3 kit. This testing may require you to do a net new install first, in order to create the level from which you want to upgrade. See the Testing Net New Installs manual for information on that setup. https://connect.ucern.com/docs/DOC-596921?sr=stream  Fairbrother,Stephen  Author |

Table of Contents

[**1** **Overview and Tips** 2](#_Toc469890419)

[**2** **Get the Kit** 2](#_Toc469890420)

[**3** **Run the Install** 2](#_Toc469890421)

[**4** **Review the Configuration Settings** 3](#_Toc469890422)

[**5** **Perform the Smoke Test** 3](#_Toc469890423)

[**6** **Report Your Findings** 5](#_Toc469890424)

# **Overview and Tips**

Upgrade testing usually requires that you first do a net new install of the software at a previous level. If that is your situation, you will enjoy this document: <https://connect.ucern.com/docs/DOC-596921>

Download your copy today and start there. When you finish, come back to this one.

Upgrades primarily consist of just laying in a new level of software. Some usual areas of difficulty:

* The install won’t run at all
* The SQL contains issues
* Certificate processing misbehaves
* Services or the pool won’t stop
* Services or the pool won’t start
* Somebody has a directory open (like when running the ikmservicecontroller.exe)

The first two are usually definite issues. The third, maybe, if it keeps happening. Four and five are usually transient. Six is a problem, but not a software problem.

If you run into an issue, I recommend running it by Tim Klein. He is very familiar with our install and can usually verify that it is a real issue that you have encountered. When the kit throws an error, stop there and do not tell it to keep applying.

One other tip: If you can, run the install twice and see if you get the same behavior. If the same thing happens both times and isn’t one of the red herrings above, it is probably a software issue.

# **Get the Kit**

1. Go to Jenkins: <https://usmlvv1cto2874.usmlvv1d0a.smshsc.net/jenkins/>
2. To select the build you want:
3. Click on **DM-25.2** or **DM-25.3**.
4. Click on **IMS**.
5. Click on the **branch** you want. Usually you will apply the production build so the branch value will be either **25.2** or **25.3**.
6. Click on the build number you want.
7. Click on the **Artifactory Build Info** link. This will take you to Artifactory.
8. Under the **Published Models** tab, click on the link displayed.
9. Hover over the .zip file name and select the **Show in Tree** option.
10. Click on the icon next to the .zip file to show the files in the .zip file.
11. Right-click on the DMSetup.exe file and select **Download**.
12. When prompted, click the **Save** button.
13. When the file has downloaded, click on the **Open folder** button.
14. Copy DMSetup.exe to the server(s) where you will be running the install.
15. You can close Artifactory and Jenkins now.

# **Run the Install**

1. Log onto the server from which you will be running the upgrade.

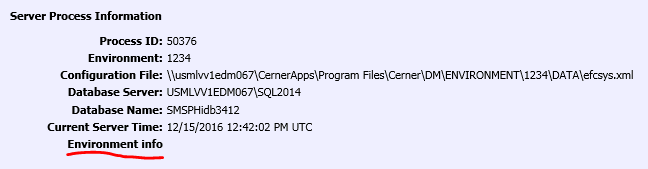
You must be an administrator on the server. When you log onto the server, include the /admin command in the RDP **Computer:** field.

**Example**: usmlvv1edm226.usmlvv1d0a.smshsc.net /admin

1. Go to the folder on the server where you placed the DmSetup.exe file.
2. Double-click on the DmSetup.exe file.
3. Page through each screen of the install to make sure there are no issues.
4. On the final screen click **Finish**.
5. Repeat the process on the other servers where the instance of the application is installed.

# **Review the Configuration Settings**

1. Log onto the application (in IE, enter usmlvv1edm603/1234, in this case), using the adminuser / Phillies05 account.
2. Click on Help in the upper right and click **Help**, then click **About**.
3. Review the contents of the screen to be sure the correct version of the software has been installed (value at top center).
4. Review the **Server Process Information** to see if all of the values are expected:



1. Click on the **Environment info** link for further details. A separate screen will appear.
2. Review the entries on the **Environment Information** screen to be sure all values are as expected.
3. Once satisfied, close the **Environment Information** screen.

# **Perform the Smoke Test**

This section details how to import and display documents after a system refresh or upgrade has been done. This process exercises a significant portion of the application’s overall functionality and serves as a good initial test to establish that base functionality has not been disrupted by the refresh or upgrade.

To check out the application install or refresh:

1. Launch the application from Internet Explorer.
2. Enter a logon ID and password for an account that has administrative access to the application.
3. On the **Help** menu, click **About**.
4. Verify that the Version number at the top center of the screen matches the build level of the software that you have just applied.
5. On the top menu of the application, click **Acquire**.
6. Select **Assisted Filing**.
7. Select a **Worklist** folder type.
8. Enter a **Worklist Name and Worklist title**.
9. Click **Find**. If the name does not exist, answer **Yes** to the create folder question.
10. Select the STM **Document type**.
11. Make sure the **Source** value is set to **Import**.
12. Select the TXT Text Files **File type**.
13. Click the **Browse** button and select a file with the *.TXT* extension.
14. Click the **Add to list** button. (If you get a new screen, you may have to resize it to see this question at the bottom: “This file is smaller than the blank page threshold. Do you wish to import it?” Click the **Yes** button.)
15. Click the **Import** button.  
    The document should appear on the **Folder Display** window.
16. In the document display on the right, click on the **X Clear** button to remove the document from the display.
17. On the left, click on the Folder **Retrieve** button. 
18. Select the Worklist folder type and enter the name of your worklist.
19. Click the **Find** button.
20. Under **Select folders** **to display**, double-click the name of your worklist.  
    The **Folder Display** window should appear.
21. Click the plus (+) sign next to the name of your worklist and verify that there is a document in the folder with today’s date on it.
22. Double-click that document and verify that the document successfully displays in the **Document Display** window on the right side of the screen.
23. Click on the icon next to the folder name and document name and make sure information is displayed.
24. On the left, click on the Document **Retrieve** button.



1. Scroll down and highlight the STM document type by clicking it.
2. Specify today’s date in the **Document Date To** and **From** fields.
3. Click the **Find** button.
4. Double-click the document in the **Select documents to display** window.  
   The **Split Folder/Document Display** window should appear.
5. Double-click the document in the Folder Display window on the left of the display and verify that the document successfully displays in the **Document Display** portion of the screen on the right.
6. You may now use the **Maintain** documents and **Maintain** folders functions to remove the document and worklist.

# **Report Your Findings**

1. Log off of the application.
2. Report your test findings in the JIRA that was created to record your test.