

# Patch Guide

**Notes: IBM Docs 2.0 CR3 contains all aggregated fixes from 2.0. Before applying CR3, you do not need to install the previous CR or iFix.**

## Back up current IBMDocs environment

1. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**, select IBMConversion, IBMConversionSanity, IBMDocs, IBMDocsSanity, IBMDocsWebResources, ViewerApp, ViewerSanity, and then click the **Export** button. Wait and download all the EARs for backup.
2. Login the server where DMGR is installed. Change directory to {dmgr\_install\_root}/config/cells/{cell\_name}/ IBMDocs-config, for example, /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/config/cells/docsCell01/IBMDocs-config, and backup concord-config.json, conversion-config.json, viewer-config.json.

## Upgrade application, modify configuration files, and synchronize changes to all nodes

1. Download the CR3 zip file, extract it to the directory [PatchRootPath], and change your current working directory to [PatchRootPath].

2. Run command : `python applypatch.py -u ${USERNAME} -p ${PASSWORD} -f $ {WSADMINPATH} -i ${FILESURL} -a ${J2CALIAS}`

    \${USERNAME} is the user name of WAS

    \${PASSWORD} is the password for the user above

    \${WSADMINPATH} is the full path of wsadmin.bat/wsadmin.sh in the local server.

    On Linux, the default value is

"/opt/IBM/WebSphere/AppServer/profiles/DMGR/bin/wsadmin.sh".

    On Windows, the default value is

"C:\Program Files\IBM\WebSphere\AppServer\profiles\DMGR\bin\wsadmin.bat".

    If IBM Docs is integrated with IBM Connection Files, the following two parameters are **NECESSARY**, but if you have already done this in CR2, you can ignore them.

    \${FILESURL} is the URL for IBM Connections Files application. For example, <http://connections.yourdomain.com/files>

    \${J2CALIAS} is IBM Connections administrative user's J2C alias for Viewer application. For example, connectionsAdmin

3. If updating DocsConversion fails because jobmanager can not connect to conversion server, you can check this according to **Test Connections to Conversion Server** at the end of the guide. If updating conversion node fails, you can update DocsConversion according to **Update Conversion Without Jobmanager** at the end of the guide.

4. Configure the Windows task scheduler for the Conversion server by referring to the IBM Connections Docs documentation in IBM Knowledge Center.

[http://www.ibm.com/support/knowledgecenter/SSFHJY\\_2.0.0/deploy/configuringthewindowstaskschedulerfortheconversionserver.html](http://www.ibm.com/support/knowledgecenter/SSFHJY_2.0.0/deploy/configuringthewindowstaskschedulerfortheconversionserver.html)

## Upgrade Proxy

1. Click **Websphere Console > Applications > Application Types > Assets**.
2. Select **concord.proxy.filter.jar** and click **Export** to backup.
3. Select **concord.proxy.filter.jar** again and click **Update**. Then browse to [PatchRootPath]/**DocsProxyFilter/ concord.proxy.filter.jar** and then click **Next > Next > Finish > Save**.  
Note: Make sure the **concord.proxy.filter.jar** file from the [PatchRootPath] directory is in the same workstation where you run the DMGR web console.
4. Click **Websphere Console > Servers > Clusters > Proxy Server Clusters**, select **proxy cluster**, click **Stop**, and then click **Start**.

### **Upgrade DocsExtention and ViewExtention**

1. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**, select the checkbox of **Common**, and click the **Stop** button.
2. Click **Websphere Console > Environment > WebSphere Variables > CONNECTIONS\_PROVISION\_PATH**. Locate Extension installation path [CONNECTIONS\_PROVISION\_PATH]/webresources, for example, /opt/IBM/Connections/data/shared/provision/webresources.
3. Back up the original files [CONNECTIONS\_PROVISION\_PATH]/webresources/**com.ibm.concord.lcfiles.extension.provision\_\*.jar** and **com.ibm.concord.viewer.lcfiles.extension.provision\_\*.jar**, and then remove them.
4. Copy the following files to [CONNECTIONS\_PROVISION\_PATH]/webresources:
  - [PatchRootPath]/DocsLCExtension/Concord\_LC35\_OSGIExtension.zip/com.ibm.concord.lcfiles.extension.provision\_\*.jar
  - [PatchRootPath]/ViewerLCCustomizeApp/Viewer\_LC35\_OSGIExtension.zip/com.ibm.concord.viewer.lcfiles.extension.provision\_\*.jar
5. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**, select the checkbox of **Common**, and click the **Start** button.
6. Clean the JavaScript cache from the client browser.

### **Upgrade ViewerDaemonLib**

1. WebSphere Console > Environment > Shared Libraries > ViewerDaemonLib.  
Get the [Classpath], for example, /home/LCData/shared/library/com.ibm.concord.viewer.lcfiles.daemon.jar.
2. Back up the com.ibm.concord.viewer.lcfiles.daemon.jar file in [Classpath] and then remove it.
3. Find the com.ibm.concord.viewer.lcfiles.daemon.jar in [PatchRootPath]/ViewerLCCustomizeApp/and then copy it to [Classpath].
4. WebSphere Console > Applications > Application Types > WebSphere enterprise applications, and restart News app.

### **Upgrade DB**

If you have already done this in CR2, ignore this step.

Refer to IBM Docs Knowledge Center at:

[http://www.ibm.com/support/knowledgecenter/SSFHJY\\_2.0.0/deploy/upgrading\\_database\\_conta](http://www.ibm.com/support/knowledgecenter/SSFHJY_2.0.0/deploy/upgrading_database_conta)

[iner.html](#)

## Upgrade Docs Help

If you have already done this in CR2, you can ignore this step.

Refer to IBM Docs Knowledge Center at:

[http://www.ibm.com/support/knowledgecenter/SSFHJY\\_2.0.0/deploy/additionaldocshelpdisplay.html](http://www.ibm.com/support/knowledgecenter/SSFHJY_2.0.0/deploy/additionaldocshelpdisplay.html)

## Migrate Windows Conversion server to Linux Conversion server

If you want to migrate Windows Conversion server to Linux Conversion server, refer to

[https://www.ibm.com/support/knowledgecenter/SSFHJY\\_2.0.0/deploy/linux\\_conversion.html](https://www.ibm.com/support/knowledgecenter/SSFHJY_2.0.0/deploy/linux_conversion.html)

## Roll back

If this patch does not work well, you can manually roll back the changes.

1. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**. Update IBMConversion, IBMConversionSanity, IBMDocs, IBMDocsSanity, IBMDocsWebResources, ViewerApp, ViewerSanity with the exported EAR one by one.
2. Login the server where DMGR is installed again, and replace concord-config.json, conversion-config.json, viewer-config.json with the backup.
3. Click **Websphere Console > System administration > Nodes > Select all the nodes > Full Resynchronize**.
4. Click **Websphere Console > Servers > Clusters > WebSphere application server clusters**, select IBMConversionCluster, IBMDocsCluster and IBMViewerCluster, click **Stop**, and then click **Start**.

## Test Connections to Conversion Server

1. **Websphere Console > Jobs > Targets**, make sure the DMGR server and all Conversion servers are listed in the targets, if not, click **New Host...** to add the server.
2. **Websphere Console > Jobs > Submit > Job type > Test connection > Next**
3. **Target names > Find... > Select one of the Conversion servers (If no servers are found, you can input the target name of the server in Step 1) > Add (Do not input user name and password) > Next > Next > Next > Finish**
4. Wait for the status of the job, and you can click **Status Summary** to refresh the status.
5. If the job fails, go to Step 1 to check the user name and password of the server, after revise them, test connection to the server again.
6. When all Conversion server are connected, apply the patch again. If it still fails, you can **Update Conversion Without Jobmanager**.

## Update Conversion Without Jobmanager

1. Change your work directory to [PatchRootPath], then run the command:  
python applypatch.py -u \${USERNAME} -p \${PASSWORD} -f \${WSADMINPATH} -l  
\${FILESURL} -a \${J2CALIAS} **-i true**
2. Stop IBMConversionCluster by clicking **WebSphere Console > Servers > Clusters > WebSphere application server clusters > IBMConversionCluster > Stop.**
3. Copy the file [PatchRootPath]/DocsConversion/docs\_remote\_installer.zip to the Conversion server. Extract it to directory [DOCS\_REMOTE\_INSTALLER], for example, C:\temp\docs\_remote\_installer. Make sure that UAC(User Account Control) on Conversion server is disabled.
4. **Make sure all the files in [CONVERSION\_INSTALL\_ROOT] are not accessed by any user at present.** From Start, run cmd.exe, and then run command:
  - a. cd [DOCS\_REMOTE\_INSTALLER]\installer\
  - b. upgrade\_node.bat --installroot [CONVERSION\_INSTALL\_ROOT] --symcount [SYM\_COUNT]
    - [CONVERSION\_INSTALL\_ROOT] is the install directory of Conversion, you can get it through **WebSphere Console > Environment > WebSphere variables > CONVERSION\_INSTALL\_ROOT**
    - [SYM\_COUNT] is the number of symphony instances, you can get this by counting how many inst\* in [CONVERSION\_INSTALL\_ROOT]\symphony. Usually it is 4 or 8, but you should confirm it by yourself.
5. Check fixpack.log in directory [CONVERSION\_INSTALL\_ROOT]\logs\.
6. Repeat 3-5 for other Conversion servers.
7. Start IBMConversionCluster by clicking **WebSphere Console > Servers > Clusters > WebSphere application server clusters > IBMConversionCluster > Start.**