Patch Guide

Note HCL Connections Docs 2.0 CR3 iFix009 contains all aggregated fixes from Docs 2.0. Before applying iFix009, you do not need to install any of the previous CR or iFix releases.

Back up current IBMDocs environment

Back up the application EARs

1. Click **Websphere Console** > **Applications** > **Application Types** > **WebSphere enterprise applications.**
2. Select IBMConversion, IBMConversionSanity, IBMDocs, IBMDocsSanity, IBMDocsWebResources, ViewerApp, ViewerSanity.
3. Click the **Export** button.
4. Wait and download all of the EARs for backup.

Back up the configs

1. Login to the server where DMGR is installed.
2. 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.
3. Backup concord-config.json, conversion-config.json, viewer-config.json.

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

1. Download the HCLConnectionsDocs_CR3_iFix009 zip file.
2. Extract the zip to the directory [PatchRootPath]
3. Change your current working directory to [PatchRootPath].
4. Run command:

```
python applypatch.py -u ${USERNAME} -p ${PASSWORD}
-f ${WSADMINPATH} -l ${FILESURL} -a ${J2CALIAS}
```

   - ${USERNAME} is the user name of WAS
   - ${PASSWORD} is the password for the user
   - ${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/AppSrv01/bin/wsadmin.sh".
    - On Windows, the default value is "C:\Program Files\IBM\WebSphere\AppServer\profiles\AppSrv01\bin\wsadmin.bat".

- If HCL Docs is integrated with HCL Connections 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.

5. If updating DocsConversion fails because jobmanager can not connect to conversion server, see **Test Connections to Conversion Server** at the end of the guide.
6. If updating conversion node fails, see **Update Conversion Without Jobmanager** at the end of the guide.
7. Configure the Windows task scheduler for the Conversion server.
   See Configuring the Windows task scheduler for the Conversion server in the HCL Help Center.

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**.
4. Browse to [PatchRootPath] **/DocsProxyFilter/ concord.proxy.filter.jar**
5. 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.
6. Click **Websphere Console > Servers > Clusters > Proxy Server Clusters.**
7. Select **proxy cluster.**
8. Click **Stop**
9. 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.concor d.lcfiles.extension.provision_*.jar
   - [PatchRootPath]/ViewerLCCustomizeApp/ Viewer_LC35_OSGIExtension.zip/ com.ibm.c oncord.viewer.lcfiles.extension.provision_*.jar
5. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**
6. Select the checkbox of **Common.**
7. Click the **Start** button.
8. 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

See Upgrading the database in the HCL Help Center.

Upgrade Docs Help

See Upgrading HCL Docs Help in the HCL Help Center.

Roll back

If this patch does not work well, follow these steps to manually roll back the changes.

1. Click **Websphere Console > Applications > Application Types > WebSphere enterprise applications**.
2. Update IBMConversion, IBMConversionSanity, IBMDocs, IBMDocsSanity, IBMDocsWebResources, ViewerApp, ViewerSanity with the exported EAR one by one.
3. Login to the server where DMGR is installed, and replace concord-config.json, conversion-config.json, viewer-config.json with the backups.
4. Click **Websphere Console > System administration > Nodes > Select all the nodes > Full Resynchronize.**
5. Click **Websphere Console > Servers > Clusters > WebSphere application server clusters**
6. Select IBMConversionCluster, IBMDocsCluster and IBMViewerCluster
7. Click **Stop**
8. 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.
4. Extract it to directory [DOCS_REMOTE_INSTALLER], for example, C:\temp\docs_remote_installer.
5. Make sure that UAC(User Account Control) on Conversion server is disabled.
6. Make sure all the files in [CONVERSION_INSTALL_ROOT] are not accessed by any user at present.
7. 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.
7. Check fixpack.log in directory [CONVERSION_INSTALL_ROOT]\logs\.
8. Repeat 3-7 for other Conversion servers.
9. Start IBMConversionCluster by clicking **Websphere Console > Servers > Clusters > WebSphere application server clusters > IBMConversionCluster > Start.**