

Applying an iFix to Rational Asset Manager deployed on a WebSphere Application Server or on a Tomcat Server

Objective

The objective is to describe the steps to apply a given iFix to Rational Asset Manager deployed on a WebSphere Application Server.

Requirements:

1. Rational Asset Manager must be installed on an instance of WebSphere Application Server or Tomcat server.
2. An iFix (zip file) applicable for the version of Rational Asset Manager for Websphere or the applicable zip for Tomcat. Tomcat iFixes will be composed of up to three zips for a iFix, one for the shared libraries directory, one for the web WAR, and one for the Web services WAR.
3. The fixes.jar and an installed java for Tomcat.

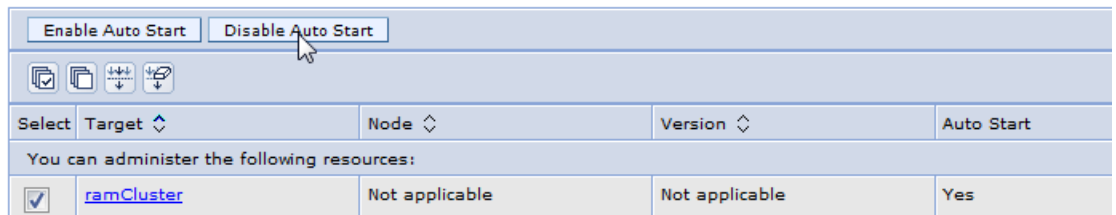
Applying the iFix to a Cluster in a WebSphere Network Deploy environment

1. Log in to the WebSphere Administrative Console.
2. Disable Auto Start for Rational Asset Manager
 - a) Navigate to **Enterprise Applications > RAM1WebApplication > Target specific application status**
 - b) select the cluster.
 - c) Click **Disable Auto Start**.
 - d)

[Enterprise Applications](#) > [RAM1WebApplication](#) > [Target specific application status](#)

Use this page to view a mapping of a deployed object, such as an application or module, into a target server or cluster and status of the enterprise application or module on each server or cluster.

⊞ Preferences

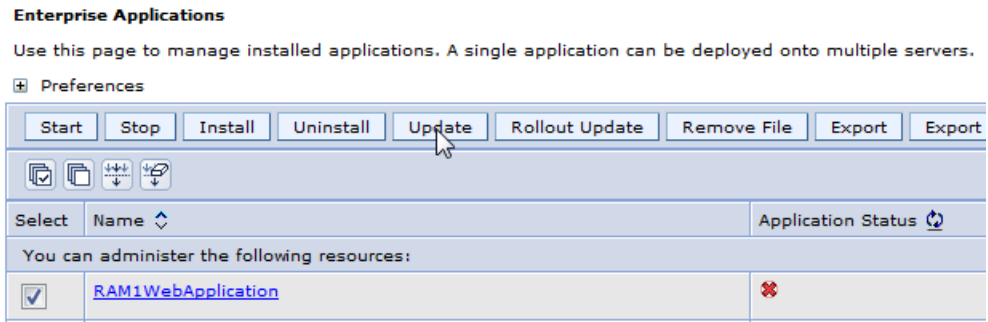


The screenshot shows the 'Target specific application status' page in the WebSphere Administrative Console. At the top, there are two buttons: 'Enable Auto Start' and 'Disable Auto Start'. Below these are several icons for actions like refresh, save, and help. A table below the icons has columns for 'Select', 'Target', 'Node', 'Version', and 'Auto Start'. The table contains one row for 'ramCluster' with 'Not applicable' for Node and Version, and 'Yes' for Auto Start.

Select	Target	Node	Version	Auto Start
<input checked="" type="checkbox"/>	ramCluster	Not applicable	Not applicable	Yes

- e) Save changes to the administrative configuration.
3. Navigate to **Servers > Clusters > <RAM cluster>**.
 4. Stop the cluster
 5. For each node in the cluster
 - a) Navigate to `/<was install>/profiles/<profile>/bin`
 - b) Run `./stopNode.sh`

6. Stop the Deployment manager
7. Start the Deployment manager.
8. For each node in the cluster
 - a) Navigate to /<was install>/profiles/<profile>/bin
 - b) Run ./startNode.sh
9. Log in to the WebSphere Administrative Console.
10. Navigate to **Servers > Clusters > <RAM cluster>**.
11. Start the cluster.
12. Navigate to **Enterprise Applications > RAM1WebApplication**
13. Verify that the application has not started.
14. Apply the iFix.
 - a) Navigate to **Enterprise Applications**
 - b) Select **RAM1WebApplication** and choose **Update** from the menu.
 - c)



- d) Select '**Replace, add, or delete multiple files**'
- e)

Replace, add, or delete multiple files

Use a compressed file format such as .zip or .gzip. The compressed file is unzipped into the installed application directory. If the uploaded files exist in the application with the same paths and file names, the uploaded files replace the existing files. If the uploaded files do not exist, the files are added to the application. You can remove existing files from the installed application by specifying metadata in the compressed file.

Specify the path to the file.

Local file system

Full path

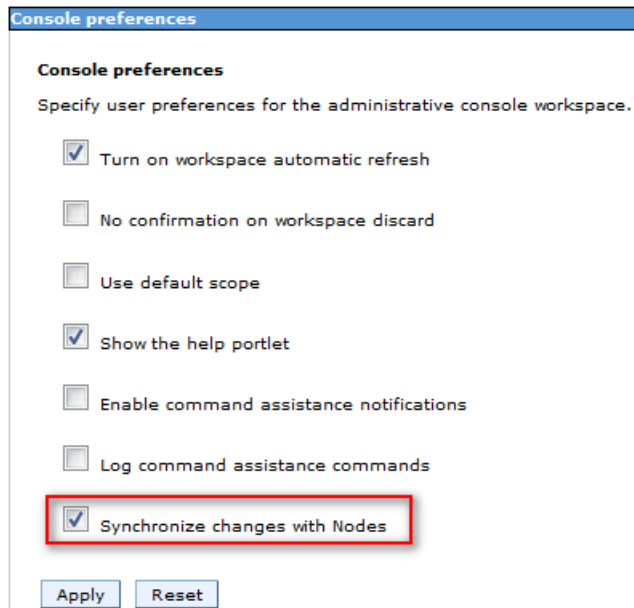
Remote file system

Full path

- f) Specify the path on your computer to the iFix zip file.
- g) Click **Next** and go through the update.
- h) After the Update completes, Save the configuration.
- i) Wait until all files are copied (typically 10min).

15. Navigate to **Servers > Clusters > <RAM cluster>**.
16. Stop the cluster
17. Start the cluster
18. Start the application.
19. Repeat **Step 2** and **Enable Auto Start** for the Rational Asset Manager application.

20. Note the *System administration-->Console* preferences page.

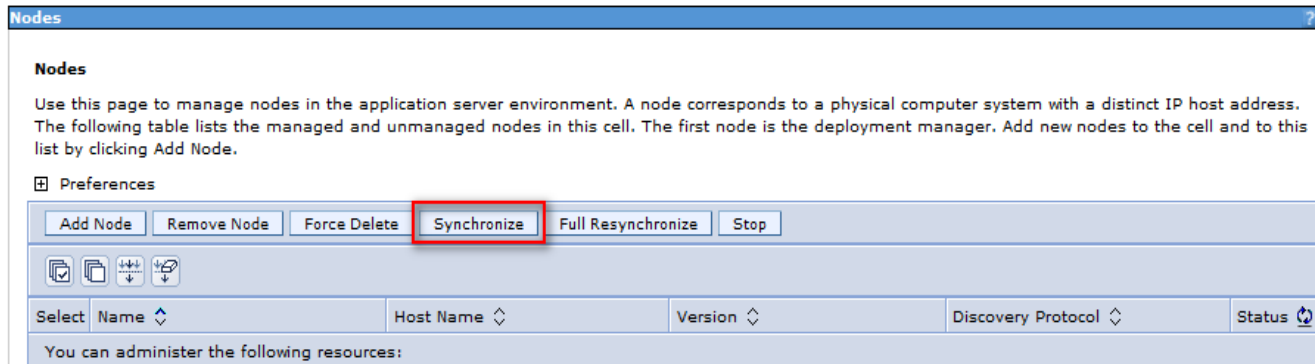


Console preferences

Specify user preferences for the administrative console workspace.

- Turn on workspace automatic refresh
- No confirmation on workspace discard
- Use default scope
- Show the help portlet
- Enable command assistance notifications
- Log command assistance commands
- Synchronize changes with Nodes

21. If the option **Synchronize changes with Nodes** is not checked you must manually synchronize the nodes from the *System administration-->Nodes* page



Nodes

Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in this cell. The first node is the deployment manager. Add new nodes to the cell and to this list by clicking Add Node.

Preferences

Select	Name	Host Name	Version	Discovery Protocol	Status
You can administer the following resources:					

Applying the iFix to a standalone WebSphere Application Server environment (not controlled by a Deployment Manager)

1. Stop the WebSphere Application Server.
2. Open a command window and navigate to /<was install>/profiles/<profile>/bin
3. Execute the following **wsadmin** command to apply the iFix (assuming user logged in has read/write access to WAS and the all the files):
wsadmin -conntype NONE -c "\$AdminApp update RAM1WebApplication partialapp {-contents **IFIX_ZIP_FILE**}"

Parameter for wsadmin command:

IFIX_ZIP_FILE – file path and name of iFix zip file (note the forward slashes in on Windows environment).

For example: [c:/temp/ram7.5.1.2_iFix1h-83279_cumulative.was.zip](#)

Example wsadmin command:

wsadmin -conntype NONE -c "\$AdminApp update **RAM1WebApplication** partialapp {-contents [c:/temp/ram7.5.1.2_iFix1h-83279_cumulative.was.zip](#)}"

Note for Linux and AIX systems: \$ is a reserved word ... use **\$AdminApp**.

4. Start the WebSphere Application Server.

Applying the iFix to a Tomcat environment

1. Copy to a working temp directory the fixes.jar and the applicable Tomcat ifix zip.
 - ⌚ Java must be installed on your system. To apply execute for the Tomcat iFix zip:

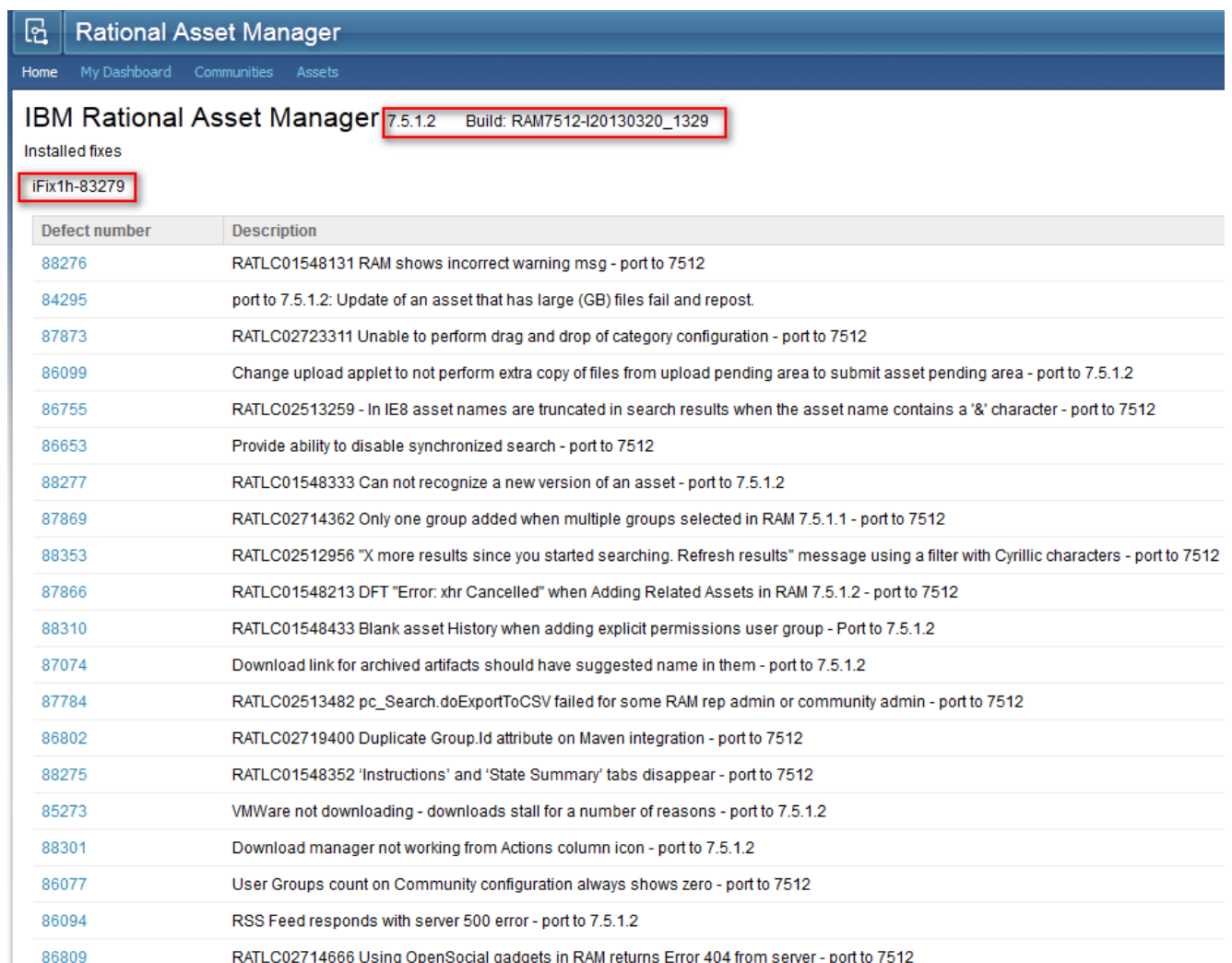
```
java -jar fixes.jar apply tomcat iFix_zip tomcatdir
```

Where *iFix_zip* is the iFix zip that is to be applied and *tomcatdir* is the Tomcat base directory to apply into. It should be the tomcat base directory. This is the parent directory that contains the **shared** and **webapps** directories as children directories. This will then apply the fixes to the **shared/lib**, **webapps/ram**, and **webapp/ram.ws** directories under this base tomcat directory.

Verify iFix has been applied

1. Launch Rational Asset Manager in a browser.
2. Navigate to the **Help > About page**.
3. Verify iFix information shows indicating iFix was applied. A list of iFixes and cumulative fixes will show. For example, on v7.5.1.2, after iFix1h was applied:

Note: The numbers on the left are links to the jazz.net work items which can be accessed on jazz.net for additional details about that fix. The number next to the iFix (e.g. iFix1h-**83279**) is the actual work item number on jazz.net for the iFix. The child work items of the iFix work item are the actual fixes included in this iFix (listed on this page).



IBM Rational Asset Manager 7.5.1.2 Build: RAM7512-I20130320_1329

Home My Dashboard Communities Assets

Installed fixes

iFix1h-83279

Defect number	Description
88276	RATLC01548131 RAM shows incorrect warning msg - port to 7512
84295	port to 7.5.1.2: Update of an asset that has large (GB) files fail and repost.
87873	RATLC02723311 Unable to perform drag and drop of category configuration - port to 7512
86099	Change upload applet to not perform extra copy of files from upload pending area to submit asset pending area - port to 7.5.1.2
86755	RATLC02513259 - In IE8 asset names are truncated in search results when the asset name contains a '&' character - port to 7512
86653	Provide ability to disable synchronized search - port to 7512
88277	RATLC01548333 Can not recognize a new version of an asset - port to 7.5.1.2
87869	RATLC02714362 Only one group added when multiple groups selected in RAM 7.5.1.1 - port to 7512
88353	RATLC02512956 "X more results since you started searching. Refresh results" message using a filter with Cyrillic characters - port to 7512
87866	RATLC01548213 DFT "Error: xhr Cancelled" when Adding Related Assets in RAM 7.5.1.2 - port to 7512
88310	RATLC01548433 Blank asset History when adding explicit permissions user group - Port to 7.5.1.2
87074	Download link for archived artifacts should have suggested name in them - port to 7.5.1.2
87784	RATLC02513482 pc_Search.doExportToCSV failed for some RAM rep admin or community admin - port to 7512
86802	RATLC02719400 Duplicate Group.Id attribute on Maven integration - port to 7512
88275	RATLC01548352 'Instructions' and 'State Summary' tabs disappear - port to 7512
85273	VMWare not downloading - downloads stall for a number of reasons - port to 7.5.1.2
88301	Download manager not working from Actions column icon - port to 7.5.1.2
86077	User Groups count on Community configuration always shows zero - port to 7512
86094	RSS Feed responds with server 500 error - port to 7.5.1.2
86809	RATLC02714666 Using OpenSocial gadgets in RAM returns Error 404 from server - port to 7512