

1	<p>It is assumed that you are working on a server that has httpd running, and is reachable from the Leader PSM via ssh and httpd. The working directory where files are to be extracted/copied to will be referred to as /newcontent in the following instructions.</p> <p>Create a symlink to /newcontent in the public http file-serve location. Example :</p> <pre>ln -s /newcontent /var/www/html/newcontent</pre> <p><i>(If the server the files are on does not have httpd installed, see if it can be installed. If not, see section further below for command-line upload.)</i></p>
2	<p>The directory structure of /newcontent should be</p> <pre> newcontent stuff.tar data images patterntypes imrepositories </pre> <p>The 'images', 'patterntypes' and 'imrepositories' directories will contain the image files, patterntype files and the imrepository archive. Unzip 'stuff.tar' in 'newcontent'.</p>
3	<p>Once you have all the images:</p> <pre> cd /newcontent/data/images ls -1 *.ova > images sed -i 's/^/http:\\\\172.16.40.23\\var\\www\\html\\newcontent\\/' images </pre> <p>An 'images' file has been created and has a list of the ova images that the install script will load. Do not be concerned about the 172.x.x.x address, only the filename part is used by the installer.</p>
4	You do not need a file listing the pattern-type files, the installer will iterate over all the files the directory contains.
5	Make a backup of the 'install.sh' script in /newcontent
6	Ensure that java is in your PATH.

6	<p>Edit the install.sh script, locate the 'if-then' block starting with 'if f [\$INSTALL_IMAGES == 1]; then'. Modify the block to comment out the installation of licences, script-packages and patterns, as seen below:</p> <pre> if [\$INSTALL_IMAGES == 1]; then echo "--- Running image install steps" # licensing needs to come first #\${SCRIPT_DIR}/installLicense.sh #checkError \$? "licenses" # script packages second, required for images #\${SCRIPT_DIR}/installPackages.sh #checkError \$? "packages" \${SCRIPT_DIR}/installImages.sh checkError \$? "images" #\${SCRIPT_DIR}/installPatterns.sh #checkError \$? "patterns" else echo "--- Skipping image steps" fi </pre>
7	<p>Install images first:</p> <pre>nohup ./install.sh <PureApp ip> <admin-user> <admin-password> -imagesOnly -nolog --baseurl=http://<DD-server-ip>/newcontent/data > Rackxxx-v2100cfix1-new-images-import.log &</pre> <p>Tail the log file to ensure that it is progressing. Images will be imported with parallelarity of three.</p>
8	<p>Install pattern-types next:</p> <pre>nohup ./install.sh <PureApp ip> <admin-user> <admin-password> -ptypesOnly -nolog --baseurl=http://<DD-server-ip>/newcontent/data > Rackxxx-v2100cfix1-new-ptypes-import.log &</pre> <p>Tail the log file to ensure that it is progressing. Pattern-types will be imorted one-at-a-time.</p>

9	<p>First time loading IMRepository:</p> <pre>nohup ./install.sh <PureApp ip> <admin-user> <admin-password> -imrepoOnly -nolog --baseurl=http://<DD-server-ip>/newcontent/data > Rackxxx-v2100cfix1-new-inrepo-import.log &</pre>
10	<p>During images and ptypes imports, we have seen random errors of the type: "IOError: zero.json.JsonParserException". Notwithstanding this, the ptype may have get loaded, check the UI. You may need to delete it and retry. Ioan Covalcic is the first point-of-contact for resolving errors.</p>
11	<p>From the PureApp system you have upgraded,download the CLI tooling, and unzip it in a convenient directory. For example: /cli-v2100. You will get a directory named 'pure.cli'. Start the CLI command and connect to the Pattern Engine Console: <pre>pure.cli/bin/pure -h <PureApp System> -u userid -p password</pre></p> <p>If IMRepository has already been loaded during an earlier upgrade, skip (a) in the following, do (b) and step 12</p> <ol style="list-style-type: none"> Create a category: <code>deployer.imrepositories.createCategory('WebSphere')</code> Upload the IM repository to the PureApp System: <pre>deployer.imrepositories.uploadPackageFromLocal('WebSphere','/<full path>/was<nnn>PowerIntelDefaultData.tgz')</pre>
12	<p>To load the new imrepositories: <pre>cd /newcontent/data/imrepositories cli-v2100/pure.cli/bin/pure -h <PureApp System> -u userid -p password</pre></p> <p>Upload the IM repository to the PureApp System: <pre>deployer.imrepositories.uploadPackageFromLocal('WebSphere','was800108554PowerIntelDefaultData.tgz')</pre></p>

If you do not have 'httpd' installed on the content server, you will have to load the images and patterntypes through command-line.

Images

```
cd /newcontent/data/images  
cli-v2100/pure.cli/bin/pure -h <PureApp System> -u userid -p password  
>>> deployer.virtualimages.create('/newcontent/data/images/<image-file-name>')
```

You can load three images simultaneously. You can see the import happening in the UI.

'exit' the CLI after uploads are done.

Patterntypes

```
cd /newcontent/data/patterntypes  
cli-v2100/pure.cli/bin/pure -h <PureApp System> -u userid -p password  
>>> deployer.patterntypes.create('/newcontent/data/patterntypes/<patterntype-file-name>')
```

Always start with the 'foundation' patterntype. Enable it after it is loaded.

You can load patterntypes only one at a time. You **cannot** see the import happening in the UI, you can see the patterntype after it is imported.
Enable it after importing.

'exit' the CLI after uploads are done.

IMRepository

Follow the procedure in Row 12 in the table above.