Technical Installation Record for Execution of INS\_00000549283: CRQ000000465861 - DCC TIP - LSQM 4.3 Installation and Configuration on Primary servers us1sxlx00194 & us1sxlx00196

Version 1.0

Approval

Signature blocks are within the document for approval of the Technical Installation Record.

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# Installation Preparation

Table 6 - Preparation

|  |  |  |
| --- | --- | --- |
| **Name** | **Initials** | **Date** |
|  |  |  |

The following table identifies the relevant pre-requisites to installation and their completion;

Table 7 – Installation Pre-Requisites

| # | Pre-Requisite | Rationale | Verified? | Comment |
| --- | --- | --- | --- | --- |
|  | Change Control Reference | Required for all controlled environments. |  | ID \_\_CRQ000000465861\_\_ |
|  | D2 4.7 Patch 7 Installation and Configuration | Required before installation can commence |  | NA |
|  | Complete Table 9 - Installation Parameters | Required before installation can commence |  | NA |

System components to be installed during this installation execution:

Table 8 - Installed Components

| **Installed?** | **Component** | **Comment** |
| --- | --- | --- |
|  | LSQM 4.3 Installation and Configuration | LSQM v4.3 installed successfully on host us1sxlx00194 & us1sxlx00196. |

## Installation Parameters

Prior to installation, the installer(s) will complete all the relevant parameter values(based on environment details) as defined in Table 9 - Installation Parameters

Table 9 - Installation Parameters

| Step # | Description | Rationale | Parameter |
| --- | --- | --- | --- |
|  | Record the personal MUDID of the person performing the installation | All information is recorded | ***Personal\_MUDID***  \_\_\_\_\_\_\_\_\_\_\_\_pp693752\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record if this installation is NEW, RE-INSTALL or UPGRADE  **Note:** Re-install should be entered if LSQM install has been attempted before |  | ***Installation\_Type***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_NEW\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the fully qualified domain name of the server hosting the product distribution  e.g.  uk1sxlx00043.corpnet2.com | All information is recorded. | ***Distribution\_Repository***  \_\_\_\_\_\_uk1sxlx00043.corpnet2.com\_\_\_\_\_\_\_\_\_\_ |
|  | Record the DA URL details  e.g. : http://us1sxlx00088.corpnet2.com:8080/da | All information is recorded | ***DA\_URL***  \_\_\_\_http://us1sxlx00194.corpnet2.com:8100/da\_\_\_\_\_\_ |
| **Content Server Related Parameters:** | | | |
|  | Record the hostname and full qualified domain name of the Content Server environment.  e.g.  us1sxlx00088  us1sxlx00088.corpnet2.com  Also record the name of Primary Content Server for the Environment  e.g.  us1sxlx00088 | All information is recorded | ***CS\_Host***  \_\_\_\_\_\_\_\_\_\_us1sxlx00196\_\_\_\_\_\_\_\_\_\_\_ |
| ***CS\_Host\_FQDN***  \_\_\_\_\_us1sxlx00196.corpnet2.com\_\_\_\_\_\_\_\_\_\_ |
| ***Primary\_CS\_Host***  ***\_\_\_\_\_\_\_***us1sxlx00196***\_\_\_\_\_\_\_\_\_*** |
|  | Record the Installation Owner to login to the Content Server. Also note the password associated with this user.  e.g.  dmadmin | All information is recorded | ***CS\_Installation\_Owner***  \_\_\_\_\_\_\_dmadmin\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***CS\_Installation\_Owner\_Pswd***  ***(Obtained, but not recorded)***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | The configuration name of the Content Server environment  If the Content Server code is installed under /opt/dmadmin/server72, then specify 73 here | All information is recorded | ***CS\_Env\_Name***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_73\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the pathname of the Content Server and also version  e.g.  /opt/dmadmin/server73  7.3 | All information is recorded | ***CS\_Installation\_File\_System***  \_\_\_\_\_\_/opt/dmadmin/server73\_\_\_\_\_\_\_\_\_ |
| ***CS\_Version***  \_\_\_\_\_\_\_\_\_\_\_\_\_7.3\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Obtain details of the docbase to be configured for LSQM and also the version  Record version with punctuation e.g. 7.3 | All information is recorded | ***Docbase\_Name***  \_\_\_\_\_\_\_\_\_\_\_gwdmpr72\_\_\_\_\_\_\_\_\_\_\_ |
| ***Docbase\_Version***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_7.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the name of the Oracle database instance associated with ***<Docbase\_Name>*.** Associated password should be obtained, but not recorded.  e.g.  UKDEV736 | All information is recorded | ***Docbase\_Oracle\_DB***  \_\_\_\_\_\_\_\_USPRD085\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***Docbase\_Oracle\_DB\_Pswd***  ***\_\_\_\_\_\_\_(Obtained, but not recorded)\_\_***\_ |
|  | Record the path where LSQM installation files will reside.  e.g.  /dctm/dm0/dmadmin/install  /dctm/dm0/dmadmin/tmp | All information is recorded. | ***CS\_Installation\_Src\_Path***  \_\_\_\_\_\_\_\_\_/dctm/dm0/dmadmin/install\_\_\_\_\_\_\_\_\_ |
|  | Record path for Content Server baseline backups  e.g.  /dctm/dm0/dmadmin/restore/***<Docbase\_Name>/<Change Record Number>***  Also Record the jar file backup directory  Eg : backup\_jar\_files | All information is recorded. | ***CS\_Baseline\_Dir***  \_\_/dctm/dm0/dmadmin/restore/gwdmpr72/LSQM/<Date>\_\_\_ |
| ***CS\_CDF\_Backup\_Dir***  \_\_\_\_\_\_\_\_backup\_jar\_files\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the File Name and Location of Documentum LSQM in ***<Distribution\_Repository>***  e.g.  LSQM\_4.3.0000.0104.tar  /dctm/dm001/dmadmin/tapes/LSQM/Linux/4.3/4.3.0 | All information is recorded | ***LSQM\_File\_Name***  \_\_\_\_\_\_\_\_LSQM\_4.3.0000.0104.tar\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***LSQM\_File\_Location***  \_/dctm/dm001/dmadmin/tapes/LSQM/Linux/4.3/4.3.0\_ |
|  | Record path location of the first (non-distributed) content store  e.g.  /dctm/dm001/dmadmin | All information is recorded. | ***Docbase\_Data\_Location***  \_\_\_\_\_\_\_/dctm/dm001/dmadmin\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the hostname of the another Content Server if this is a dual environment , else mark NA.  e.g.  us1sxlx00136 , NA | All information is recorded | ***HA\_CS\_Host***  ***\_\_\_\_\_\_\_\_\_***us1sxlx00197***\_\_\_\_\_\_\_\_\_\_\_\_*** |
| **Web Server Related Parameters:** | | | |
|  | Record the name of the account to be used to own the installed code on the web application server | All information is recorded | ***Web\_Installation\_Owner***  \_\_\_\_\_\_\_\_dmwebadm\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the hostname and full qualified domain name of the web server environment.  e.g.  us1sxlx00087  us1sxlx00087.corpnet2.com | All information is recorded. | ***Web\_Server***  \_\_\_\_\_\_\_\_\_\_us1sxlx00194\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***Web\_Server\_FQDN***  \_\_\_\_\_\_\_\_us1sxlx00194.corpnet2.com\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***Secondary\_Web\_Server***  \_\_\_\_\_\_\_us1sxlx00195\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the application server URL  e.g.  [https://cdmsqm-dev.<x>.com](https://cdmsqm-dev.gsk.com)  http://us1sxlx00136.corpnet2.com:8080 | All information is recorded | ***D2\_Tomcat\_Url***  \_\_\_\_\_\_\_https://cdms.<x>.com \_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the D2 application name  Type the D2 application name by which the D2.war file is deployed.  For example, if D2 is deployed as D2.war, the value is D2; if D2 is  deployed as D245.war, then the value is D245. By default, it is D2. | All information is recorded | ***D2\_App\_Name***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_D2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the port number that has been used by the installed Tomcat Instance.  e.g.  8005  8080 | All information is recorded. | ***Non\_SSL\_Port***  \_\_\_\_\_\_\_\_\_\_\_\_8080\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the name of the Tomcat instance which is to host D2 4.6x environment.  e.g:  tomcat\_1\_7.0.64  tomcat\_d2 | All information is recorded. | ***Tomcat\_Instance***  \_\_\_\_\_\_\_\_\_tomcat\_cdmslsqm\_8.5.15\_\_\_\_\_\_\_\_\_\_ |
|  | For the Tomcat instance, record the file name of web environment configuration file for ***<Tomcat\_Instance>***.  e.g.  **.**bashrc\_1  .bashrc\_d2  Also record the suffix of ***<Web\_Env\_File>***. For example, this will be used to execute “use\_1” command to initialize environment or name “local\_varsd2” file.  e.g.  1  d2 | All information is recorded. | ***Web\_Env\_File***  \_\_\_\_\_\_\_\_\_\_.bashrc\_cdmslsqm\_\_\_\_\_\_\_\_\_\_ |
| ***Web\_Env\_Suffix***  \_\_\_\_\_\_\_\_cdmslsqm\_\_\_\_\_\_\_\_\_\_ |
|  | Record path to backup files on ***<Web\_Server>***  e.g.  Web Server:  /dctm/dm0/dmwebadm/backup/***<Pandora\_Change\_Control>*** | All information is recorded. | ***Web\_Backup\_Dir***  \_\_\_\_/dctm/dm0/dmwebadm/backup/LSQM/<date>\_\_\_ |
|  | Record the web server path where LSQM installation files will reside.  e.g.  /dctm/dm0/dmwebadm/install | All information is recorded. | ***WS\_Installation\_Src\_Path***  \_\_\_\_/dctm/dm0/dmwebadm/install\_\_\_\_ |
| ***Shared Parameters*** | | | |
|  | Record whether Thumbnail Server installation will be setup for this environment.  e.g. Yes/No | All information is recorded. | ***Use\_Thumbnail\_Server***  \_\_\_\_\_\_\_\_\_\_\_\_\_Yes\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record if Controlled print is required for this environment  e.g. Yes/No | All information is recorded | ***Use\_Controlled\_Print\_Config***  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_No\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the Vanity URL if F5 is configured for D2 in this environment, else mark N/A | All information is recorded | ***Vanity\_URL***  \_\_\_\_\_\_\_\_\_\_\_ https://cdms.<x>.com \_\_\_\_\_\_\_\_\_\_\_ |
|  | Record if this is complete or partial installation.  If this is a full installation mark the value of this parameter as BOTH , if the installation happens only in web server , then mark the value of this parameter as WS | All information is recorded | ***Server\_Install\_Type***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** BOTH ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |
|  | Record whether xPlore is installed in this environment.  e.g. Yes/No | All information is recorded. | ***Use\_xPlore\_Facets***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** Yes ***\_\_\_\_\_\_\_\_\_\_\_\_\_*** |
| ***xPlore Parameters:*** | | | |
|  | Record the xPlore Host details for the target system.  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***Primary\_xPlore\_Host***  \_\_\_\_\_\_\_\_ us1sxlx00198 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ***Primary\_xPlore\_Host\_FQDN***  \_\_\_\_\_ us1sxlx00198.corpnet2.com \_\_\_\_\_\_\_\_\_\_ |
|  | Record the Primary port of ***<Primary\_xPlore\_Host>***  e.g. 10300  Record N/A if **<*Use\_xPlore\_Facets*>** is No. | All information is recorded | ***xPlore\_Primary\_Port***  \_\_\_\_\_\_\_\_\_\_\_\_ 10300 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Record the password details for xPlore server  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***xPlore\_Password***  ***\_\_\_\_Obtained but not recorded here\_\_\_\_\_\_\_\_\_\_*** |
|  | Record the pathname of the general Documentum logs directory  Note: This is usually /dctm/dm0/dmadmin/log  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***Documentum\_Logs\_Dir***  \_\_\_\_\_\_\_\_\_ /dctm/dm0/dmadmin/log \_\_\_\_\_\_\_\_ |
|  | Record the path of the xPlore configuration directory  e.g. /dctm/dm1/dmadmin/xplore/prod/config  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***xPlore\_Config\_Dir***  \_\_\_\_ /dctm/dm1/dmadmin/xplore/prd/config \_\_\_\_ |
|  | Record details of the Index Agent:  Index Agent Name (e.g. Indexagent)  Notes:  Please take careful note of capitalization of the IA Name  Index Agent Port : 10200  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***IA\_Name***  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** IndexAgent **\_\_\_\_\_\_\_\_\_\_** |
| ***IA\_Port***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** 10200 ***\_\_\_\_\_\_\_\_\_\_\_\_\_*** |
|  | Record whether this is a single node or multi-node configuration  Answer “Y” for single node otherwise “N”  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***Single\_Node***  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** No **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  | Record details of the path of a temporary directory to use for installations  e.g. /dctm/dm0/dmadmin/install  Record N/A if <***Use\_xPlore\_Facets***> is No. | All information is recorded | ***xPlore\_Installation\_Src\_Path***  \_\_\_\_ /dctm/dm0/dmadmin/install \_\_\_\_\_\_\_\_\_ |
|  | Record details of the Secondary Index Servers in Table 10 below  Secondary Server Name (e.g. us1salx00201)  Secondary Server Fully qualified domain name  Secondary NodeName (e.g. DSearchNode2)  Secondary Port - Base port used by secondary server  Specify all as “NA” if ***<Single\_Node>***= y or if <***Use\_xPlore\_Facets***> is No. | All information is recorded | All information is recorded |

Table 10 – Secondary Index Server Details

|  |  |  |
| --- | --- | --- |
| ***Secondary\_xPlore\_Host*** | ***Secondary\_xPlore\_Host\_FQDN*** | ***Secondary\_Node*** |
| us1sxlx00199 | us1sxlx00199.corpnet2.com | DsearchNode2 |

# Installation Execution

Table 11 - Installers

|  |  |  |
| --- | --- | --- |
| **Name** | **Initials** | **Comment** |
| ***Priyanga Palani*** | ***PP*** | ***27-Mar-2018*** |

Table 12 - Timeframe

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Date**  **<dd-mmm-yyyy>** | **Time (24hr)**  **<00:00>** | **Time Zone** | **Name** |
| **Installation Started** | ***27-Mar-2018*** | ***12:40*** | ***IST*** | ***Priyanga Palani*** |
| **Installation Completed** | ***28-Mar-2018*** | ***16:05*** | ***IST*** | ***Priyanga Palani*** |

## Pre-Installation Instructions

This section will cover the pre-install configuration tasks for Documentum Life Sciences Q&M installation.

 Table 13 - Pre-Installation Instructions

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If ***<Server\_Install\_Type***> is WS , execute only the steps 4.1.1 to 4.1.12 marking other steps as “NA”  If ***<Server\_Install\_Type***> is BOTH , execute the entire section 4.1 |  |  |  |  |
|  | Login to the ***<Web\_Server>*** server, as the ***<Personal\_MUDID>*** account.  Take a screen print exhibit | Login Successful | Login Successful | Pass | Exhibit  \_\_\_\_01\_\_\_\_\_\_\_\_ |
|  | Initiate a new typescript. Use the following command:  script***<typescript\_name>***  where <typescript\_name> is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_ CRQ000000465861\_LSQM\_Pri\_194\_27Mar2018.txt \_\_\_\_\_\_ | The typescript file opens successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Login as ***<Web\_Installation\_Owner>*** by issuing the following command:  super***<Web\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login successful. | Login successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure updated environment is current:  use\_***<Web\_Env\_Suffix>***  **Warning**: Ensure that you have initialized the correct environment before continuing to the next step | The script executes without error. | The script executes without error. | Pass | Refer Appendix B Typescript Evidence |
|  | Shutdown the Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s ***<Tomcat\_Instance>***  e.g.  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s tomcat\_1\_7.0.53  Verify success using following command:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  **Note:** Tomcat must remain shut down for this part of TIP execution. If necessary, comment the ***<Tomcat\_Instance>*** entry in /local/apps/documentum/server/dmg\_scripts/web\_authority\_file | Application Server is shutdown | Application Server is shutdown | Pass | Refer Appendix B Typescript Evidence |
|  | Prepare to back up the web configuration files. If ***<Web\_Backup\_Dir>****/*Before\_LSQM doesn’t exist, create backup directory using the following command:  mkdir -p ***<Web\_Backup\_Dir>***/Before\_LSQM  Verify success using the following command:  ls -lad ***<Web\_Backup\_Dir>***/Before\_LSQM | Directory ***<Web\_Backup\_Dir>***/ Before\_LSQM exists | /dctm/dm0/dmwebadm/backup/LSQM/27Mar2018/Before\_LSQM exists | Pass | Refer Appendix B Typescript Evidence |
|  | Take a baseline of web environment  cd $CATALINA\_HOME/..  tar –zcvf ***<Web\_Backup\_Dir>****/*Before\_LSQM***/<Tomcat\_Instance>***.tar.gz ***<Tomcat\_Instance>***  Verify success using the following command:  ls –la ***<Web\_Backup\_Dir>****/*Before\_LSQM***/<Tomcat\_Instance>***.tar.gz | Baseline of web environment is taken. | Baseline of web environment is taken. | Pass | Refer Appendix B Typescript Evidence |
|  | Delete temp files from previous installations.  cd /tmp  find . -user ***<Web\_Installation\_Owner>***  Verify success using the following command:  ls –la  For all files retrieved by the above command, execute the following command:  rm –fr ***<filename>***  Verify success using the following command:  ls –la | Temp files deleted from /tmp | Temp files deleted from /tmp | Pass | Refer Appendix B Typescript Evidence |
|  | Startup Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s ***<Tomcat\_Instance>***  e.g:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s tomcat\_1\_8.0.28  Verify success using following commands:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  tail -f $CATALINA\_HOME/logs/catalina.out  **Note:** Initial startup may take longer than normal. Errors in log are expected at this point and will be corrected by the steps executed later in this section.  Note: check the web\_authority\_file to uncomment the entry of D2 tomcat before starting the tomcat.  us1sxlx00118:***<Tomcat\_Instance>***:.bashrc\_cdmsqmdev:1.7.0\_79::NNNNNNN | Application Server is started. | Application Server is started. | Pass | Refer Appendix B Typescript Evidence |
|  | Logout of ***<Web\_Server>***  exit | Logout is successful | NA | Pass | Refer Appendix B Typescript Evidence |
|  | If ***<Use\_xPlore\_Facets>*** is Yes, execute the steps from 4.1.13 - 4.1.34 else mark the steps 4.1.13 - 4.1.34 as NA and skip to step 4.1.35 |  |  |  |  |
|  | Login into Index Agent Console at http://***<Primary\_xPlore\_Host\_FQDN>***:***<IA\_Port>***/***<IA\_Name>***  using login credentials of ***<CS\_Installation\_Owner>***  Click **Stop IA** button.  Logout from Index Agent Console.  Take a screen print exhibit | Index Agent is stopped. | Index Agent is stopped. | Pass | Exhibit  \_\_\_\_02\_\_\_\_\_\_\_ |
|  | Login xPlore Admin Console  http://***<Primary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin    xPlore host: ***<Primary\_xPlore\_Host\_FQDN>***  xPlore port: ***<xPlore\_Primary\_Port>***  Password: ***<xPlore\_Password>*** | Login is successful | Login is successful | Pass | Refer Appendix B Typescript Evidence |
|  | If ***<Single\_Node>*** = y then skip to Step 4.1.16 marking the step 4.1.15 as NA  Goto Home 🡪 Instances 🡪 ***<Secondary\_Node>*** and click "**Stop Instance**" button  Take a screen print exhibit | Secondary xPlore Instance is stopped successfully. | Secondary xPlore Instance is stopped successfully. | Pass | Exhibit  \_\_\_03\_\_\_\_\_\_\_\_ |
|  | Goto Home 🡪 Instances 🡪 PrimaryDsearch and click "**Stop Instance**" button  Take a screen print exhibit  Close xPlore Admin Console (click on “Sign Out” link) | Primary xPlore Instance is stopped successfully. | Primary xPlore Instance is stopped successfully. | Pass | Exhibit  \_\_\_\_04\_\_\_\_\_\_\_ |
|  | Login on ***<Primary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>*** | Login is successful | Login is successful | Pass | Exhibit  \_\_\_05\_\_\_\_\_\_\_\_ |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where ***<typescript\_name>*** is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_CRQ000000465861\_LSQM\_Pri\_198\_27Mar2018.txt\_\_\_\_\_ | The typescript file opens successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful and the environment is set successfully | Login successful and the environment is set successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Stop the index agent Use the following commands:  cd $APPSVR\_HOME  ./stopIndexagent.sh  ps -ef | grep -i ***<IA\_Name>*** | grep -v grep  There should be no existing Indexagent process. If necessary, repeat periodically until all processes are gone - this may take a minute or so. | Index Agent is stopped | Index Agent is stopped | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Primary\_xPlore\_Host>***  exit  exit  exit | Logout is successful. | NA | NA | NA |
|  | If ***<Single\_Node>*** = y then skip to Step 4.1.29 marking intervening steps as NA |  |  |  |  |
|  | Login on ***<Secondary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>*** | Login is successful | Login is successful | Pass | Exhibit  \_\_\_06\_\_\_\_\_\_\_\_ |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where ***<typescript\_name>*** is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_ CRQ000000465861\_LSQM\_Pri\_199\_27Mar2018.txt \_\_\_\_\_\_\_\_\_\_ | The typescript file opens successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful and the environment is set successfully | Login successful and the environment is set successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Stop the Secondary xPlore server  cd $APPSVR\_HOME/  ./stop***<Secondary\_Node>***.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep ***<Secondary\_Node>*** | grep -v grep | There are no Java processes belonging to the Secondary xPlore Server  Note: It is critical that the components are stopped in the order specified using the processes instructed | There are no Java processes belonging to the Secondary xPlore Server | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Secondary\_xPlore\_Host>***  exit  exit  exit | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.1.23 to 4.1.27 for each extra secondary server defined in Table 10 | Step repeated as required | NA | NA | NA |
|  | If not already logged in, complete this step; otherwise skip to step 4.1.32, marking steps 4.1.29 to 4.1.31 and as “NA”.  Login on ***<Primary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>*** | Login is successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where <typescript\_name> is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login successful. | NA | NA | NA |
|  | If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Environment is set successfully | Environment is set successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Stop the Primary server  Use the following commands:  cd $APPSVR\_HOME/  ./stopPrimaryDsearch.sh  Ensure all xPlore server processes have stopped using the following command:  ps -ef | grep java | grep PrimaryDsearch | grep -v grep  No processes should be returned | xPlore stopped successfully | xPlore stopped successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<Primary\_xPlore\_Host>***  exit  exit  exit | The user is logged out | NA | NA | NA |
|  | If ***<HA\_CS\_Host>*** is NA , skip to 4.1.40 marking the steps 4.1.35 to 4.1.39 as NA.  Login to the ***<HA\_CS\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | Login successful. | Pass | Exhibit  \_\_\_07\_\_\_\_\_\_\_ |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where ***<typescript\_name>*** is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | The typescript file opens successfully  The name of the typescript is recorded  \_\_ CRQ000000465861\_LSQM\_Pri\_197\_27Mar2018.txt | The typescript file opens successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Login as ***<CS\_Installation\_Owner>***by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM  **Note:** It is expected at this stage to see the message “Cannot locate Documentum hardcoded server environment variables”. Do NOT abort execution or report this as an a deviation | Login successful. | Login successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Shutdown all Content Server processes associated with *<Docbase\_Name>*.  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a stop -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | No processes are running for the specified docbase ***<Docbase\_Name>*** environment | No processes are running for the specified Docbase gwdmpr72 environment | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<HA\_CS\_Host>***  exit  exit  exit | The user is logged out | NA | Pass | Refer Appendix B Typescript Evidence |
|  | Login to the ***<CS\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | Login successful. | Pass | Exhibit  \_\_\_\_08\_\_\_\_\_\_ |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where ***<typescript\_name>*** is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | The typescript file opens successfully  The name of the typescript is recorded  \_\_ CRQ000000465861\_LSQM\_Pri\_196\_27Mar2018.txt\_\_ | The typescript file opens successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Login as ***<CS\_Installation\_Owner>***by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM  **Note:** It is expected at this stage to see the message “Cannot locate Documentum hardcoded server environment variables”. Do NOT abort execution or report this as an a deviation | Login successful. | Login successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure home directory is /opt/***<CS\_Installation\_Owner>***. Use the following command:  echo $HOME | Value reported is /opt/***<CS\_Installation\_Owner>*** | Value reported is /opt/dmadmin | Pass | Refer Appendix B Typescript Evidence |
|  | Check that the ***<CS\_Installation\_Owner>*** account is default member of dm group and member of dmadmin. Use the following command:  id –a | The command reports:  gid=22300 (dm) groups=22300(dm), 1507(dmadmin) | The command reports:  gid=22300 (dm) groups=22300(dm), 1507(dmadmin) | Pass | Refer Appendix B Typescript Evidence |
|  | If ***<CS\_Host>***is same as ***<Primary\_CS\_Host>;*** execute the steps 4.1.45 to 4.1.48 ; otherwise mark the steps 4.1.45 to 4.1.48 as “NA” and skip to step 4.1.49  Login into D2-Config as ***<CS\_Installation\_Owner>***  http*://****<Web\_Server\_FQDN>***:***<Non\_SSL\_Port>***/D2-Config/?newWindow=false | Login is successful | Login is successful | Pass | Exhibit  \_\_\_\_\_\_09\_\_\_\_\_\_ |
|  | Use **File > Export configuration** to save the current configurations  In “Select the Application” webpage dialog box , choose **All elements** and Click **OK.**  In **“Select Elements to export”** webpage dialog box , mark **Full Config export** checkbox and Click **OK.**  Take a screen print exhibit | The current configuration is saved  Note down the path of the exported configuration  D:\563196\CDMS\New CDMS\Prod\Installation\LSQM | The current configuration is saved | Pass | Exhibit  \_\_\_\_\_10\_\_\_\_\_\_ |
|  | Use the **File > Reset configuration** to reset the configurations  Click OK  Take a screen print exhibit | Resetting the current configuration is successful. | Resetting the current configuration is successful. | Pass | Exhibit  \_\_\_\_\_11\_\_\_\_\_\_\_ |
|  | Logout from D2-Config | Logout is successful. | Logout is successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Shutdown all Content Server processes associated with *<Docbase\_Name>*.  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a stop -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | No processes are running for the specified docbase ***<Docbase\_Name>*** environment | No processes are running for the specified Docbase gwdmpr72 environment. | Pass | Refer Appendix B Typescript Evidence |
|  | If it doesn’t exist, create directory to store Content Server baselines, using the following command:  mkdir -p ***<CS\_Baseline\_Dir>*/**Before\_LSQM  Verify success using the following command:  ls -lad *<CS\_Baseline\_Dir>*/Before\_LSQM | Directory ***<CS\_Baseline\_Dir>*** exists | Directory /dctm/dm0/dmadmin/restore/gwdmpr72/LSQM/27Mar2018/Before\_LSQM exists | Pass | Refer Appendix B Typescript Evidence |
|  | Take baseline of Content Server environment.  cd $HOME  tar cvf *<CS\_Baseline\_Dir>***/Before\_LSQM**/server***<CS\_Env\_Name>***.tar server***<CS\_Env\_Name>***  Verify success using the following command:  ls –la *<CS\_Baseline\_Dir>*/Before\_LSQM/ server*<CS\_Env\_Name>*.tar | Baseline backup taken of Content Server environment. | Baseline backup taken of Content Server environment. | Pass | Refer Appendix B Typescript Evidence |
|  | Take a baseline Oracle export of the docbase schema. Use the following command:  exp userid= ***<Docbase\_Name>***@***<Docbase\_Oracle\_DB>***file=***<CS\_Baseline\_Dir>***/Before\_LSQM***/<Docbase\_Name>***.dmp  Respond, when prompted, with the appropriate account password obtained from the “DMS Accounts” spreadsheet  and, if the \_extra account exists:  exp userid = ***<Docbase\_Name>***\_Extra@***<Docbase\_Oracle\_DB>*** file=***<CS\_Baseline\_Dir>***/Before\_LSQM***/<Docbase\_Name>***\_Extra.dmp  Verify success using the following command:  ls –la ***<CS\_Baseline\_Dir>***/*<****Docbase\_Name>.dmp <CS\_Baseline\_Dir>***/Before\_LSQM*/<****Docbase\_Name>****\_Extra.dmp*  Note: It is acceptable to request (via Service Catalog) Oracle DBAs to perform this backup if repository is large or Production environment. In either case, a baseline of database schemas should be obtained before continuing with this upgrade. | Oracle dump successfully completed. | Oracle dump successfully completed. | Pass | Refer Appendix B Typescript Evidence |
|  | Secure an archive of the docbase content. Use the following command:  cd ***<Docbase\_Data\_Location>***  tar cvf ***<CS\_Baseline\_Dir>***/Before\_LSQM/***<Docbase\_Name>***.tar ***<Docbase\_Name>***  Verify success using the following command:  ls -la ***<CS\_Baseline\_Dir>***/Before\_LSQM/***<Docbase\_Name>***.tar  Note: It is acceptable to request (via Remedy ticket) Unix Storage team to perform this backup if repository is large or Production environment. In either case, a baseline of content storage should be obtained before continuing with this upgrade. | Archive is successfully created.  The pathname of the archive is recorded. | Archive is successfully created.  The pathname of the archive is recorded. | Pass | Refer Appendix B Typescript Evidence |
|  | Delete JMS cache.  Use the following command:  rm -fr $APPSVR\_HOME/DctmServer\_MethodServer/tmp/\*  Verify success using the following command:  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/tmp | Method Server cache deleted successfully | Method Server cache deleted successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Delete temp files from previous installations.  cd /tmp  find . –user ***<CS\_Installation\_Owner>***  For all files retrieved by the above command, execute the following command:  rm –fR **<filename>**  Verify success using the following command:  ls –la /tmp | Temp files deleted from /tmp | Temp files deleted from /tmp | Pass | Refer Appendix B Typescript Evidence |
|  | Execute the steps 4.1.56 and 4.1.57 only if ***<Installation\_Type>*** = ‘UPGRADE’. Else skip to 4.1.58 marking the steps 4.1.55 and 4.1.57 as N/A.  Create backup directory using the following command:  mkdir -p ***<CS\_Baseline\_Dir>***/***<CS\_CDF\_Backup\_Dir>***  Verify success using the following command::  ls -lad ***<CS\_Baseline\_Dir>****/****<CS\_CDF\_Backup\_Dir>*** | The directory is created. | NA | Pass | Refer Appendix B Typescript Evidence |
|  | Back up the files using the command  cp $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/CDF-Methods.jar ***<CS\_Baseline\_Dir>****/****<CS\_CDF\_Backup\_Dir>***  cp $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/CDFBase.jar ***<CS\_Baseline\_Dir>****/****<CS\_CDF\_Backup\_Dir>***  Verify success using ls –la  ls –la ***<CS\_Baseline\_Dir>***/***<CS\_CDF\_Backup\_Dir>*** | The jar files are backed up successfully. | NA | NA | NA |
|  | Start docbroker only. Execute the following command:  $DM\_DBA/dm\_launch\_dmdocbroker  Verify success using following command:  ps –ef | grep broker | Docbroker is started. | Docbroker is started. | Pass | Refer Appendix B Typescript Evidence |
|  | Start ***<Docbase\_Name>*** repository. Execute the following command:  $DM\_DBA/dm\_start\_***<Docbase\_Name>***  Verify success using following command:  ps –ef | grep ***<Docbase\_Name>*** | ***<Docbase\_Name>*** is started. | gwdmpr72 is started. | Pass | Refer Appendix B Typescript Evidence |
|  | Logout of ***<CS\_Host>*** and exit the typescript, by entering commands:  exit  exit  exit | Typescript successfully exited.  Logout is successful | NA | NA | NA |

## LSQM on Content Server Installation

The installer(s) will complete the steps below to have LSQM installed in Content Server:

Table 14 - LSQM on Content Server Installation

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.2.4, marking steps 4.2.1 to 4.2.3 and as “NA”.  Login to the ***<CS\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | File of name ***<typescript\_name>*** is created.  The name of the typescript is recorded:  \_\_\_\_NA\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login as ***<CS\_Installation\_Owner>*** successful. | NA | NA | NA |
|  | Execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | The script executes successfully | The script executes successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure ***<CS\_Installation\_Src\_Path>*** directory is available.  mkdir -p ***<CS\_Installation\_Src\_Path>***  If path existed before, ensure that files related to previous installations are removed. Use this command:  cd ***<CS\_Installation\_Src\_Path>***  rm -fr \*  Verify success using the following command:  ls –la ***<CS\_Installation\_Src\_Path>*** | ***<CS\_Installation\_Src\_Path>*** directory created and the permission is set successfully. | /dctm/dm0/dmadmin/install directory created and the permission is set successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Copy installation file from ***<Distribution\_Repository>*** to the current location using sftp. Use the following commands to login ***<Distribution\_Repository>***:  sftp ***<Personal\_MUDID>***@***<Distribution\_Repository>***  Respond with password when prompted.  Use the following commands to get installation files:  cd ***<LSQM\_File\_Location>***  get ***<LSQM\_File\_Name>***  quit  Verify success using the following command:  ls -la ***<LSQM\_File\_Name>*** | File ***<LSQM\_File\_Name>*** exists in the current directory | File LSQM\_4.3.0000.0104.tar exists in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Untar the ***<LSQM\_File\_Name>*** file produced in the previous step.  Use the following command:  tar xvf ***<LSQM\_File\_Name>***  Verify files/directories exist by using the following commands:  ls –la LSQM | The files/directories listed exist in the current directory | The files/directories listed exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | If ***<CS\_Host>*** is same as ***<Primary\_CS\_Host>***  ***And***  If***<Server\_Install\_Type>***is BOTH; execute the step 4.2.8 to 4.2.11; otherwise mark steps 4.2.8 to 4.2.11 as “NA” and skip to step 4.2.12  Grant EXECUTE permissions on files  Use the following commands:  chmod u+x LSQM/install.sh  chmod u+x LSQM/scripts/\*.sh  chmod u+x LSQM/Util/Migration/\*.sh  Verify success using the following command:  ls –la LSQM/install.sh  ls –la LSQM/scripts/\*.sh  ls –la LSQM/Util/Migration/\*.sh | The file permissions are changed accordingly | The file permissions are changed accordingly | Pass | Refer Appendix B Typescript Evidence |
|  | Verify install.sh contains accurate classpath reference to $ APPSVR\_HOME/ DctmServer\_MethodServer/deployments/ServerApps.ear/lib  cd LSQM/  Replace all occurrences of ***$DOC/wildfly9.0.1*** with  ***DOC/share/wildfly9.0.1***  Note: The following vi example command will accomplish this.  :1,$s:DOC/wildfly9.0.1:DOC/share/wildfly9.0.1:g  Verify success using following command:  cat install.sh | File is updated successfully. | File is updated successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Commence the LSQM installation using the following command:  cd ***<CS\_Installation\_Src\_Path>***/LSQM  ./install.sh  Enter the required information  User name - ***<CS\_Installation\_Owner>***  Password - ***<CS\_Installation\_Owner\_Pswd>***  Docbase Name **- *<Docbase\_Name>***  Content Server Version - ***<Docbase\_Version>*** | The program commences execution without error  The options are completed as specified | The program commences execution without error  The options are completed as specified | Pass | Refer Appendix B Typescript Evidence |
|  | Check the install logs for errors  Use the following commands:  cd ***<CS\_Installation\_Src\_Path>***/LSQM/working/logs  Confirm that the following logs have no errors by listing the contents  cat LSQM\_dars.log  cat LSQM\_updateversion.log  cat LSQM\_populateroles.log  cat LSQM\_index.log  LSQM\_preInstall.log  LSQM\_copy\_serverlibs.log | The log files reveal no errors | The log files reveal no errors | Pass | Refer Appendix B Typescript Evidence |
|  | Delete the tarfile copied from ***<Distribution\_Repository>***  Use the following commands:  rm –rf ***<CS\_Installation\_Src\_Path>/<LSQM\_File\_name>***  Verify success using the following command:  ls –la ***<CS\_Installation\_Src\_Path>/<LSQM\_File\_name>*** | The source tar file does not exist | The source tar file does not exist | Pass | Refer Appendix B Typescript Evidence |
|  | If***<Server\_Install\_Type>***is BOTH; execute the steps 4.2.13 and 4.2.14 ; otherwise mark the steps 4.2.13 and 4.2.14 as “NA” and skip to step 4.2.15  Ensure the following LSQM methods have been copied into $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib   * CDF-Methods.jar * CDFBase.jar * ControlledPrintServerMethods.jar * LSF-Constants.jar   Use the following command:  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/CDF\*.jar  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/ControlledPrintServerMethods.jar  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/LSF\*.jar    If the JAR files are not available, copy the JARs from the method\_server\_lib directory. Use the following command:  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/CDF-Methods.jar $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/CDFBase.jar $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/ControlledPrintServerMethods.jar $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/LSF-Constants.jar $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/  Verify success using following command:  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/CDF\*.jar  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/ControlledPrintServerMethods.jar  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/LSF\*.jar | JAR files copied to the directory successfully. | JAR files copied to the directory successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Start Java Method server  Use the following command:  nohup $APPSVR\_HOME/startMethodServer.sh > /dctm/dm0/dmadmin/log/start\_mthdsvr.out &  Check no processes are running:  ps -ef | grep MethodServer | grep -v grep | Java Method server is started | Java Method server is started | Pass | Refer Appendix B Typescript Evidence |
|  | Get docbroker and global repository settings from Content Server’s dfc.properties file. This info will be used later in TIP to populate web server’s dfc.properties files.  grep 'dfc.docbroker\|dfc.globalregistry' $DOCUMENTUM\_SHARED/config/dfc.properties | Contents of dfc.properties file displayed.  Docbroker and dfc.globalregistry settings noted/copied. | Contents of dfc.properties file displayed.  Docbroker and dfc.globalregistry settings noted/copied. | Pass | Refer Appendix B Typescript Evidence |
|  | If Content Server’s ***<CS\_Installation\_Src\_Path>*** path is not accessible to ***<Web\_Server>***, then copy the required files to temp directory for transfer. If directory is available to ***<Web\_Server>***, mark this step as “n/a”.  Commands similar to the following can be used:  mkdir –p /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  chmod 777 /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/CDFD2Plugins/CDFD2Plugins.jar /home/***<Personal\_MUDID>/LSQM\_<CS\_Host>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/CDFBase.jar /home/***<Personal\_MUDID>/***LSQM\_***<CS\_Host>***  chmod 777 /home/***<Personal\_MUDID>***/LSQM\_***<CS\_Host>/***\*.jar  Verify success by using following command:  ls –la /home/***<Personal\_MUDID>***/LSQM\_***<CS\_Host>/***\*.jar | The files are copied as required. | The files are copied as required. | Pass | Refer Appendix B Typescript Evidence |
|  | If Content Server’s ***<CS\_Installation\_Src\_Path>*** path is not accessible to ***<Web\_Server>***, then copy the required files to temp directory for transfer. If directory is available to ***<Web\_Server>***, mark this step as “n/a”.  Commands similar to the following can be used:  Ensure the eisxtence of the directory /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  ls –la /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  if the directory is not available , use the following command  mkdir –p /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  chmod 777 /home/***<Personal\_MUDID>/***LSQM***\_<CS\_Host>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/war/d2ls.war /home/***<Personal\_MUDID>/***LSQM\_***<CS\_Host>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/war/XMLViewer.war /home/***<Personal\_MUDID>/***LSQM\_***<CS\_Host>***  chmod 777 /home/***<Personal\_MUDID>***/LSQM\_***<CS\_Host>/***\*.war  Verify success by using following command:  ls –la /home/***<Personal\_MUDID>***/LSQM\_***<CS\_Host>/***\*.war | Files are copied | Files are copied | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<CS\_Host>***  exit  exit  exit | Logout is successful. | NA | NA | NA |

## Deploy LSQM files to the Application Server

Steps to deploy LSQM files to the Application Server during the installation sequence.

Table 15 - Deploy LSQM files to the Application Server

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.3.4, marking steps 4.3.1 to 4.3.3 and as “n/a”.  Login to the *<Web\_Server>* server, as the *<Personal\_MUDID>* account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | File of name <typescript\_name> is created.  The name of the typescript is recorded:  \_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<Web\_Installation\_Owner>*** by issuing the following command:  super ***<Web\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login as ***<Web\_Installation\_Owner>*** successful. | NA | NA | NA |
|  | Ensure updated environment is current:  use\_***<Web\_Env\_Suffix>***  **Warning**: Ensure that you have initialized the correct environment before continuing to the next step | The script executes without error. | The script executes without error. | Pass | Refer Appendix B Typescript Evidence |
|  | Shutdown the Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s ***<Tomcat\_Instance>***  e.g.  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s tomcat\_1\_7.0.53  Verify success using following command:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  **Note:** Tomcat must remain shut down for this part of TIP execution. If necessary, comment the ***<Tomcat\_Instance>*** entry in /local/apps/documentum/server/dmg\_scripts/web\_authority\_file | Application Server is shutdown | Application Server is shutdown | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure $CATALINA\_HOME/webapps/d2ls  directory is available.  mkdir -p $CATALINA\_HOME/webapps/d2ls  If path existed before, ensure that files related to previous D2 installations are removed. Use this command:  cd $CATALINA\_HOME/webapps/d2ls  rm -fr \*  Verify success using the following command:  ls -la | Directory d2ls is empty. | Directory d2ls is empty. | Pass | Refer Appendix B Typescript Evidence |
|  | Move the following files from the installers home directory to the web application home directory  Use the following commands.   * mv /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/CDFD2Plugins.jar $CATALINA\_HOME/webapps/D2/WEB-INF/lib/ * mv /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/CDFBase.jar $CATALINA\_HOME/webapps/D2/WEB-INF/lib/ * mv /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/XMLViewer.war $CATALINA\_HOME/webapps/ * mv /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/d2ls.war $CATALINA\_HOME/webapps/d2ls   Verify success by using following command:   * ls -la $CATALINA\_HOME/webapps/D2/WEB-INF/lib/CDFD2Plugins.jar * ls -la $CATALINA\_HOME/webapps/D2/WEB-INF/lib/CDFBase.jar * ls -la $CATALINA\_HOME/webapps/XMLViewer.war * ls -la $CATALINA\_HOME/webapps/d2ls/d2ls.war | Files are copied to the relevant application server directories | Files are copied to the relevant application server directories | Pass | Refer Appendix B Typescript Evidence |
|  | Unzip d2ls.war file copied in the previous step and move it to webapps directory. Use the following commands:  cd $CATALINA\_HOME/webapps/d2ls  unzip d2ls.war  mv d2ls.war $CATALINA\_HOME/webapps  Verify files/directories exist by using the following command:  ls –la $CATALINA\_HOME/webapps/d2ls.war  ls –la $CATALINA\_HOME/webapps/d2ls | WAR files decompressed | WAR files decompressed | Pass | Refer Appendix B Typescript Evidence |
|  | Using suitable editor update the file $CATALINA\_HOME/webapps/d2ls/WEB-INF/classes/log4j.properties  log4j.appender.file.File=/dctm/dm0/***<Web\_Installation\_Owner>***/tomcat/**<*Tomcat\_Instance>****/*logs/d2ls\_**<*Tomcat\_Instance>***.log  Verify success using  cat $CATALINA\_HOME/webapps/d2ls/WEB-INF/classes/log4j.properties | log4j.properties file is updated | log4j.properties file is updated | Pass | Refer Appendix B Typescript Evidence |
|  | Using a suitable text editor, edit file $CATALINA\_HOME/webapps/d2ls/WEB-INF/classes/dfc.properties  Remove if any content is present and verify/set the following settings:  dfc.docbroker.host[0]= ***<dfc.docbroker.host[0] from step 4.2.15 output>***  dfc.docbroker.port[0]=***<dfc.docbroker.port[0] from step 4.2.15 output>***  dfc.globalregistry.repository=***<dfc.globalregistry.repository from step 4.2.15 output>***  dfc.globalregistry.username=***<dfc.globalregistry.username from step 4.2.15 output>***  dfc.globalregistry.password=***<dfc.globalregistry.password from step 4.2.15 output>***  dfc.data.dir=/dctm/dm0/***<Web\_Installation\_Owner>***/tomcat/***<Tomcat\_Instance>***/data/dctm\_d2ls  dfc.name=DFC\_***<Tomcat\_Instance>\_***D2LS  Note: If ***<Docbase\_Name>*** is setup with Content Server High Availability, also include dfc.docbroker.host[1] and dfc.docbroker.port[1] settings, pointing to secondary Content Server.  Verify success using following command:  cat $CATALINA\_HOME/webapps/d2ls/WEB-INF/classes/dfc.properties | dfc.properties settings edited successfully. | dfc.properties settings edited successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Startup Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s ***<Tomcat\_Instance>***  e.g:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s tomcat\_1\_8.0.28  Verify success using following commands:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  tail -f $CATALINA\_HOME/logs/catalina.out  **Note:** Initial startup may take longer than normal. Errors in log are expected at this point and will be corrected by the steps executed later in this section.  Note: check the web\_authority\_file to uncomment the entry of D2 tomcat before starting the tomcat.  us1sxlx00118:***<Tomcat\_Instance>***:.bashrc\_cdmsqmdev:1.7.0\_79::NNNNNNN | Tomcat server is started | Tomcat server is started | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<Web\_Server>***  exit  exit  exit | The specified typescript is saved | NA | NA | NA |

## Run the Automated D2 Configuration Import

The Automated D2-Config import script, LSConfigImport.sh, imports the Life Sciences configurations and updates the D2 WebContext reference for the Life Sciences widgets.

Table 16 - Run the Automated D2 Configuration Import

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If ***<Server\_Install\_Type>*** is BOTH  **And**  If ***<CS\_Host>***is same as ***<Primary\_CS\_Host>*;** execute this section 4.4; otherwise mark steps as “n/a” and skip to next section. |  |  |  |  |
|  | If not already logged in ***<CS\_Host>***, complete this step; otherwise skip to step 4.4.5, marking steps 4.4.2 to 4.4.4 as “n/a”.  Login to the ***<CS\_Host>*,** as the ***<Personal\_MUDID>*.** | Login successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where *<typescript\_name>* is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_\_\_\_\_ NA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful and the environment is set successfully | NA | NA | NA |
|  | Check the Java Method Server is up and running  ps -ef | egrep MethodServer | Java Method Server is up and running | Java Method Server is up and running | Pass | Refer Appendix B Typescript Evidence |
|  | Navigate to ***<CS\_Installation\_Src\_Path>***/LSQM  cd ***<CS\_Installation\_Src\_Path>***/LSQM  Verify success using the following command:  pwd | Navigated to ***<CS\_Installation\_Src\_Path>*** | Navigated to /dctm/dm0/dmadmin/install/LSQM | Pass | Refer Appendix B Typescript Evidence |
|  | Make the files executable  chmod u+x LSConfigImport.sh  chmod u+x Util/Migration/ApplyD2Configurations.sh  chmod 777 scripts/scripts  Verify success using the following command:  ls –la LSConfigImport.sh  ls –la Util/Migration/ApplyD2Configurations.sh  ls –lad scripts/scripts | The EXECUTE permission on files and directories set successfully. | The EXECUTE permission on files and directories set successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Verify ***<CS\_Installation\_Src\_Path>***/LSQM/LSConfigImport.sh contains accurate classpath reference to $DOCUMENTUM/share/config   * Replace all occurrences of ***<Documentum\_Old\_Base>*** with ***<Documentum\_Base>***   Note: The following vi example command will accomplish this.  :1,$s:DOC/config:DOC/share/config:g  Verify success using following command:  cat ***<CS\_Installation\_Src\_Path>***/LSQM/LSConfigImport.sh | Occurrences of ***<Documentum\_Old\_Base>*** is replaced with ***<Documentum\_Base>*** | Occurrences of DOC/config is replaced with DOC/share/config | Pass | Refer Appendix B Typescript Evidence |
|  | Verify ***<CS\_Installation\_Src\_Path>***/LSQM/Util/Migration/ApplyD2Configurations.sh contains accurate classpath reference to $DOCUMENTUM/share/config   * Replace all occurrences of ***<Documentum\_Old\_Base>*** with ***<Documentum\_Base>***   Note: The following vi example command will accomplish this.  :1,$s:$DOCUMENTUM/wildfly9.0.1:$DOCUMENTUM/share/wildfly9.0.1:g  :1,$s:$DOCUMENTUM/config:$DOCUMENTUM/share/config:g  Verify success using following command:  cat ***<CS\_Installation\_Src\_Path>***/LSQM/Util/Migration/ApplyD2Configurations.sh | Occurrences of ***<Documentum\_Old\_Base>*** is replaced with ***<Documentum\_Base>*** | Occurrences of $DOCUMENTUM/wildfly9.0.1 replaced with $DOCUMENTUM/share/wildfly9.0.1 | Pass | Refer Appendix B Typescript Evidence |
|  | Commence the LSQM configuration installation.  Use the following commands:  ./LSConfigImport.sh | The script is initiated | The script is initiated | Pass | Refer Appendix B Typescript Evidence |
|  | Select the appropriate option to install the D2 Configuration files when prompted  Choose Type 1 | The options are completed as specified | The options are completed as specified | Pass | Refer Appendix B Typescript Evidence |
|  | Enter the required information confirming each step with the <enter> key  User name - ***<CS\_Installation\_Owner>***  Password - ***<CS\_Installation\_Owner\_Pswd>***  Docbase Name **- *<Docbase\_Name>***  AppServer Url - *<****D2\_Tomcat\_Url>***  D2 Application Name **- *<D2\_App\_Name>***  Controlled Print AppServer URL - *<****D2\_Tomcat\_Url>*** | The required information is entered | The required information is entered | Pass | Refer Appendix B Typescript Evidence |
|  | Check the install logs for errors  cat ***<CS\_Installation\_Src\_Path>***/LSQM/working/logs/LSQM\_configImport.log  cat ***<CS\_Installation\_Src\_Path>***/LSQM/working/logs/LSQM\_UrlUpdate.log  cat ***<CS\_Installation\_Src\_Path>***/LSQM/working/logs/LSQM\_postInstall.log  LSQM\_applyD2Configurations.log  LSQM\_Config\_backup\_export.log | Log files reveal no errors | Log files reveal no errors | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<CS\_Host>***  exit  exit  exit | The specified typescript is saved | NA | NA | NA |

## Installing Controlled Print Plugin

If ***<Use\_Controlled\_Print\_Config>*** is ‘Yes’ execute this section , else make this section as N/A

**Table 17 - Installing Controlled Print Plugin**

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.5.4, marking steps 4.5.1 to 4.5.3 and as “n/a”.  Login to the ***<CS\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f **<typescript\_name>**  where <typescript\_name> is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | File of name <typescript\_name> is created.  The name of the typescript is recorded:  \_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login as *<CS\_Installation\_Owner>* successful. | NA | NA | NA |
|  | If ***<Server\_Install\_Type>*** is WS , skip to step 4.5.7 , marking steps 4.5.4 to 4.5.6 as “NA”  Shutdown Java Method server  Use the following command:  $APPSVR\_HOME/stopMethodServer.sh  Check no processes are running:  ps -ef | grep MethodServer | grep -v grep | Java Method server is stopped | NA | NA | NA |
|  | Ensure the following LSQM files have been copied into $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib   * ControlledPrintServerMethods.jar   ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/ControlledPrintServerMethods.jar  Use the following command to copy the file ControlledPrintServerMethods.jar using the command  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method\_server\_lib/ControlledPrintServerMethods.jar $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib  Verify success using following command:  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/deployments/ServerApps.ear/lib/ControlledPrintServerMethods.jar | Files are copied successfully | NA | NA | NA |
|  | Start Java Method server  Use the following command:  nohup $APPSVR\_HOME/startMethodServer.sh > /dctm/dm0/dmadmin/log/start\_mthdserver.out &  Check no processes are running:  ps -ef | grep MethodServer | grep -v grep | Java Method server is started | NA | NA | NA |
|  | If Content Server’s ***<CS\_Installation\_Src\_Path>*** path is not accessible to ***<Web\_Server>*** , then copy the required files to temp directory for transfer. If directory is available to ***<Web\_Server>*,** mark this step as “n/a”.  Commands similar to the following can be used:  cp ***<CS\_Installation\_Src\_Path>***/LSQM/ ControlledPrintPluginJars/ControlledPrintConfig-Plugin.jar /home/***<Personal\_MUDID>****/LSQM\_****<CS\_HOST>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/ ControlledPrintPluginJars/ControlledPrintConfig-API.jar /home/***<Personal\_MUDID>****/LSQM\_****<CS\_HOST>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/method-server\_lib/CDFBase.jar /home/***<Personal\_MUDID>****/LSQM\_****<CS\_HOST>***  cp ***<CS\_Installation\_Src\_Path>***/LSQM/war/ControlledPrint.war /home/***<Personal\_MUDID>/****LSQM\_****<CS\_HOST>***  chmod 777 /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/\*ControlledPrint\*.jar  chmod 777 /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/\*CDF \*.jar  chmod 777 /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>/***\*ControlledPrint\*.war  Verify by:  ls -la /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>/***\*ControlledPrint\*.jar  ls -la /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>/***\*CDF\*.jar  ls -la /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/\*ControlledPrint\*.war | Files copied successfully | NA | NA | NA |
|  | Logout from *<CS\_Host>*  exit  exit  exit | Logged out successfully. | NA | NA | NA |
|  | Login to the ***<Web\_Server>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f **<typescript\_name>**  where <typescript\_name> is a suitable UNIX/Linux filename | File of name ***<typescript\_name>*** is created.  The name of the typescript is recorded:  \_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<Web\_Installation\_Owner>*** by issuing the following command:  super ***<Web\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login as <Web\_Installation\_Owner> successful. | NA | NA | NA |
|  | Edit the $Home/***<Web\_Env\_File>***to ensure the value of EnvInUse is set to value of ***<Web\_Env\_Suffix>***  e.g.  EnvInUse=d2 for bashrc\_d2  Save changes.  Verify success using following command:  cat ***<Web\_Env\_File>***  Re-initialize environment, by executing:  use\_***<Web\_Env\_Suffix>*** | *<Web\_Env\_File>* modified successfully | NA | NA | NA |
|  | Shutdown the Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s ***<Tomcat\_Instance>***  e.g.  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s tomcat\_1\_7.0.53  Verify success using following command:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep | Application Server is shutdown successfully. | NA | NA | NA |
|  | Delete Web Server cache.  Use the following command:  rm -fr $CATALINA\_HOME/work/\*  Verify success using the following command:  ls –la $CATALINA\_HOME/work/\* | Cache is cleared | NA | NA | NA |
|  | Copy the ControlledPrintConfig-Plugin.jar using the command  mv /home/***<Personal\_MUDID>***/LSQM\_***<CS\_HOST>***/ControlledPrintConfig-Plugin.jar $CATALINA\_HOME/webapps/D2-Config/WEB-INF/classes/plugins  mv /home/***<Personal\_MUDID>***/LSQM*\_****<CS\_HOST>***/ControlledPrintConfig-API.jar $CATALINA\_HOME/webapps/D2-Config/WEB-INF/lib  mv /home/***<Personal\_MUDID>***/LSQM*\_****<CS\_HOST>***/CDFBase.jar $CATALINA\_HOME/webapps/D2-Config/WEB-INF/lib  Verify success using the following command:  ls –la $CATALINA\_HOME/webapps/D2-Config/WEB-INF/classes/plugins/ControlledPrintConfig-Plugin.jar  ls –la $CATALINA\_HOME/webapps/D2-Config/WEB-INF/lib/ControlledPrintConfig-API.jar  ls –la $CATALINA\_HOME/webapps/D2-Config/WEB-INF/lib/CDFBase.jar | Files copied successfully. | NA | NA | NA |
|  | Navigate to $CATALINA\_HOME/webapps/D2-Config/WEB-INF/classes/ and edit the file D2-Config.properties using suitable editor  cd $CATALINA\_HOME/webapps/D2-Config/WEB-INF/classes/  vi D2-Config.properties  Add the following line under the Plugins EMC tag:  "plugin\_<#>=plugins/ControlledPrintConfig-Plugin.jar"  Replace '#' appropriately.  Save and exit the editor.  Verify success using  cat D2-Config.properties | The properties file is modified successfully. | NA | NA | NA |
|  | Create the directory ControlledPrint and navigate to it using the command  mkdir -p $CATALINA\_HOME/webapps/ControlledPrint  cd $CATALINA\_HOME/webapps/ControlledPrint  verify success    ls –la $CATALINA\_HOME/webapps/ControlledPrint | Navigated to the directory successfully | NA | NA | NA |
|  | Move war files to Tomcat webapps directory  Command similar to the following can be used:  mv /home/***<Personal\_MUDID>****/*LSQM*\_****<CS\_HOST>****/*ControlledPrint.war $CATALINA\_HOME/webapps/ControlledPrint  verify success using  ls -la $CATALINA\_HOME/webapps/ControlledPrint/ ControlledPrint.war | ControlledPrint.war file is copied to ControlledPrint directory | NA | NA | NA |
|  | Unzip ControlledPrint war file copied in the previous step. Use the following commands:  cd $CATALINA\_HOME/webapps/ControlledPrint  unzip ControlledPrint.war  mv ControlledPrint.war $CATALINA\_HOME/webapps  Verify files/directories exist by using the following command:  ls –la $CATALINA\_HOME/webapps | WAR files decompressed | NA | NA | NA |
|  | Using a suitable text editor, edit file $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/dfc.properties  Remove if any content is present and verify/set the following settings:  dfc.docbroker.host[0]=***<CS\_Host\_FQDN>***  dfc.docbroker.port[0]=***<dfc.docbroker.port[0] from step 4.2.15 output>***  *df*c.globalregistry.repository=***<dfc.globalregistry.repository from step 4.2.15 output>***  dfc.globalregistry.username=***<dfc.globalregistry.username from step 4.2.15 output>***  dfc.globalregistry.password=***<dfc.globalregistry.password from step 4.2.15 output>***  dfc.data.dir=/dctm/dm0/***<Web\_Installation\_Owner>***/tomcat/***<Tomcat\_Instance>***/data/dctm\_controlledprint  dfc.name=DFC\_CONTROLLEDPRINT\_***<Tomcat\_Instance>***  Note: If ***<Docbase\_Name>*** is setup with Content Server High Availability, also include dfc.docbroker.host[1] and dfc.docbroker.port[1] settings, pointing to secondary Content Server.  Verify success using following command:  cat $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/dfc.properties | dfc.properties settings edited successfully. | NA | NA | NA |
|  | Using a suitable text editor, edit file $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/ applicationContext.xml  Verify/set the following settings:  Update the defaultUri property to http://***<Web\_Server\_FQDN>***:***<Non\_SSL\_Port>***/D2/ws  Verify using  cat $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/applicationContext.xml | applicationContext.xml is edited successfully | NA | NA | NA |
|  | Run the command to generate the encrypted password of ***<CS\_Installation\_Owner>***  java -cp $CATALINA\_HOME/webapps/D2/WEB-INF/lib/dfc.jar com.documentum.fc.tools.RegistryPasswordUtils ***<CS\_Installation\_Owner\_Pswd>*** | The encrypted password is noted. | NA | NA | NA |
|  | Using a suitable text editor, edit file $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/D2ControlledPrint.properties  Verify/set the following settings:  Update admin\_username to ***<CS\_Installation\_Owner>***  Update admin\_password to the password of the ***<CS\_Installation\_Owner>*** noted in step 4.5.22  Verify using  cat $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/D2ControlledPrint.properties | D2ControlledPrint.properties is edited successfully. | NA | NA | NA |
|  | Using a suitable editor , verify/set the following settings in $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/log4j.properties  log4j.logger.com.emc.services=INFO  log4j.appender.file.File=/dctm/dm0/***<Web\_Installation\_Owner>***/tomcat/***<Tomcat\_Instance>****/*logs/D2ControlledPrint***\_<Tomcat\_Instance>.***log  Verify success using  cat $CATALINA\_HOME/webapps/ControlledPrint/WEB-INF/classes/log4j.properties | Settings are updated in the file $CATALINA\_HOMEwebapps/ControlledPrint/WEB-INF/classes/log4j.properties | NA | NA | NA |
|  | Startup Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s ***<Tomcat\_Instance>***  e.g:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s tomcat\_1\_8.0.28  Verify success using following commands:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  tail -f $CATALINA\_HOME/logs/catalina.out  **Note:** Initial startup may take longer than normal. Errors in log are expected at this point and will be corrected by the steps executed later in this section. | Application server is started. | NA | NA | NA |

## Configuring Documentum xPlore Facets

If ***<Use\_xPlore\_Facets>*** is ‘Yes’ execute this section , else make this section as N/A

**Table 19 - Configuring Documentum xPlore Facets**

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.6.4, marking steps 4.6.1 to 4.6.2 and as “NA”.  Login to the ***<Primary\_xPlore\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable Linux filename | File of name ***<typescript\_name>*** is created.  The name of the typescript is recorded:  \_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Logon to the ***<Primary\_xPlore\_Host>*** using the ***<CS\_Installation\_Owner>*** account.  super ***<CS\_Installation\_Owner>***-shell  Note: There is a hyphen between ***<CS\_Installation\_Owner>*** and ‘shell’ | Logon using the ***<CS\_Installation\_Owner>*** account was successful | NA | NA | NA |
|  | Initialize the correct environment  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | The environment is initialized. | The environment is initialized. | Pass | Refer Appendix B Typescript Evidence |
|  | Back up the Documentum xPlore configuration XML file located at ***<xPlore\_Config\_Dir>***/indexserverconfig.xml  cp ***<xPlore\_Config\_Dir>***/indexserverconfig.xml ***<xPlore\_Config\_Dir>***/indexserverconfig\_***<DATE>***.xml  ***<Date>*** can be replaced with the **<<Date>>** value in Table 11 in section 4  eg.,  dsearch\_home/config/indexserverconfig.xml | Backup the xplore config xml file | Backup the xplore config xml file | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure ***<xPlore\_Installation\_Src\_Path>*** directory is available.  mkdir -p ***<xPlore\_Installation\_Src\_Path>***  If path existed before, ensure that files related to previous installations are removed. Use this command:  cd ***<xPlore\_Installation\_Src\_Path>***  rm -fr \*  Verify success using the following command:  ls –la ***<xPlore\_Installation\_Src\_Path>*** | ***<xPlore\_Installation\_Src\_Path>*** directory created and the permission is set successfully. | /dctm/dm0/dmadmin/install directory created and the permission is set successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Copy installation file from ***<Distribution\_Repository>*** to the current location using sftp. Use the following commands to login ***<Distribution\_Repository>***:  sftp ***<Personal\_MUDID>***@***<Distribution\_Repository>***  Respond with password when prompted.  Use the following commands to get installation files:  cd ***<LSQM\_File\_Location>***  get ***<LSQM\_File\_Name>***  quit  Verify success using the following command:  ls -la ***<LSQM\_File\_Name>*** | File ***<LSQM\_File\_Name>*** exists in the current directory | LSQM\_4.3.0000.0104.tar exists in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Untar the ***<LSQM\_File\_Name>*** file produced in the previous step.  Use the following command:  tar xvf ***<LSQM\_File\_Name>***  Verify files/directories exist by using the following commands:  ls –la LSQM | The files/directories listed exist in the current directory | The files/directories listed exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Open the file indexserverconfig.xml in a text editor and append the content of the ***<xPlore\_Installation\_Src\_Path>***/LSQM/config/facetsQnM.txt  facet content file into the **<path-value-index>** element within the dftxml category.  <category-definitions>  <category name = "dftxml">  <indexes>  <path-value-index...>  {insert here}  <path-value-index>  Save edits and exit the editor | The contents of xml content file to be copied and make into specific directory | The contents of xml content file to be copied and make into specific directory | Pass | Refer Appendix B Typescript Evidence |
|  | Open the file indexserverconfig.xml in a text editor and increment the revision number in the <index-server-configuration> element.  Using a suitable text editor edit file :  The following code samples show a revision number change from 1.8 to 1.9:  <index-server-configuration revision="1.8" config-check-interval="60"  purge-statusdb-on-startup="false" enable-lemmatization="true">  <index-server-configuration revision="1.9" config-check-interval="60"  purge-statusdb-on-startup="false" enable-lemmatization="true">  Ensure value for this element is set to incremented index server configuration revision number.  Save edits and exit the editor | Change the revision number element by edit the file | Change the revision number element by edit the file 1.34 – 1.44 | Pass | Refer Appendix B Typescript Evidence |
|  | cd ***<xPlore\_Installation\_Src\_Path>***  rm -fr \*  Verify success using the following command:  ls –la ***<xPlore\_Installation\_Src\_Path>*** | Files are removed. | Files are removed. | Pass | Refer Appendix B Typescript Evidence |
|  | Start the Primary xPlore Server  Use the following command:  cd $APPSVR\_HOME  nohup ./startPrimaryDsearch.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup. | The Primary xPlore server starts without error | The Primary xPlore server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Verify the Primary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Primary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays  The DSS instance PrimaryDsearch [version=1.5.0000.0393] normal | The browser displays  The xPlore instance PrimaryDsearch [version=1.6.0030.0024] normal | Pass | Exhibit  \_\_\_\_\_12\_\_\_\_ |
|  | If ***<Single\_Node*>** = y then skip to Step 4.6.23 marking intervening steps as n/a |  |  |  |  |
|  | If not already logged in, complete this step; otherwise skip to step 4.6.18, marking steps to 4.6.15 to 4.6.17 as “NA”.  Login to the ***<Secondary\_xPlore\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable Linux filename | File of name ***<typescript\_name>*** is created.  The name of the typescript is recorded:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Logon to the ***<Secondary\_xPlore\_Host>*** using the ***<CS\_Installation\_Owner>*** account.  super ***<CS\_Installation\_Owner>***-shell  Note: There is a hyphen between ***<CS\_Installation\_Owner>*** and ‘shell’ | Logon using the ***<CS\_Installation\_Owner>*** account was successful | NA | NA | NA |
|  | Initialize the correct environment  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | The environment is initialized. | The environment is initialized. | Pass | Refer Appendix B Typescript Evidence |
|  | Start the Secondary xPlore Node  Use the following command:  cd $APPSVR\_HOME  nohup ./***<secondary\_node>***.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore\_***<secondary\_node>***.out &  Monitor the above logfile for completion of startup.  Do not progress to subsequent steps until startup is completed | Secondary Node is successfully started. | Secondary Node is successfully started. | Pass | Refer Appendix B Typescript Evidence |
|  | Verify the Secondary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Secondary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays  The DSS instance PrimaryDsearch [version=1.5.0000.0393] normal | The xPlore instance DsearchNode2 [version=1.6.0030.0024] normal | Pass | Exhibit  \_\_\_\_13\_\_\_\_\_ |
|  | Logout from ***<Secondary\_xPlore\_Host>***  exit  exit  exit | Logout is successful. | Logout is successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Repeat steps 4.6.15 to 4.6.21 for each extra secondary server defined in Table 10 | Step repeated as required | NA | NA | NA |
|  | In the ***<Primary\_xPlore\_Host> ,***  Start the index agent  Use the following commands:  cd $APPSVR\_HOME  nohup ./start***<IA\_Name>***.sh > ***<Documentum\_Logs\_Dir>***/start\_***<IA\_Name>***.out &  Scan the logfile ***<Documentum\_Logs\_Dir>***/start\_***<IA\_Name>***.out and wait for startup to complete. | The index agent webserver started successfully | The index agent webserver started successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Primary\_xPlore\_Host>***  exit  exit  exit | Logout is successful | Logout is successful | Pass | Refer Appendix B Typescript Evidence |
|  | Rebuild indexes using the Documentum xPlore Administration tool.  Open a browser and navigate to the xPlore Administration tool:  http://***<Primary\_xPlore\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Take a screen print exhibit | Rebuilding xPlore indexes and access the URL. | Rebuilding xPlore indexes and access the URL. | Pass | Exhibit:  **\_\_\_14\_\_\_\_\_\_\_** |
|  | Navigate to:  Data Management/***<Docbase\_Name>***/default  Take a screen print exhibit | Navigated to the path | Navigated to the path | Pass | Exhibit  \_\_\_15\_\_\_\_\_\_ |
|  | Click Rebuild Indexes  Take a screen print exhibit | Rebuilding the indexes is completed. | Rebuilding the indexes is completed. | Pass | Exhibit  \_\_\_16\_\_\_\_\_\_ |
|  | Logout from Documentum xPlore Administration tool. | Logout is successful | Logout is successful | Pass | Refer Appendix B Typescript Evidence |
|  | Start Index Agent in Normal mode  Login into Index Agent Console at http://***<Primary\_xPlore\_Host\_FQDN>***:***<IA\_Port>***/***<IA\_Name>***  using login credentials of ***<CS\_Installation\_Owner>***  Select **“Start Index Agent in Normal Mode”**  Click “Submit” button.  Logout from Index Agent Console.  Take a screen print exhibit | Index Agent is started | Index Agent is started | Pass | Exhibit  \_\_\_\_17\_\_\_\_\_ |

## Post-Installation Configuration Tasks

This section will cover the post-install configuration tasks for Documentum Q&M installation.

**Table 20 - Post-Installation Configuration Tasks**

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If ***<CS\_Host>*** is same as ***<Primary\_CS\_Host>***  ***And***  If***<Server\_Install\_Type>***is BOTH; execute the step 4.7.1 to 4.7.8 ; otherwise mark steps 4.7.1 to 4.7.8 as “NA” and skip to step 4.7.8  **Disabling Non-LSQM Relations:**  Login into D2-config application with ***<CS\_Installation\_Owner>*** account  http://***<Web\_Server\_FQDN>***:***<Non\_SSL\_Port>***/D2-Config/?newWindow=false | Login to application D2 config | Login to application D2 config | Pass | Exhibit  \_\_\_18\_\_\_\_\_\_\_ |
|  | In the filter on the main toolbar, select All elements | Ensure the required element is selected | Ensure the required element is selected | Pass | Exhibit  \_\_\_19\_\_\_\_\_\_\_ |
|  | Go to Tools -> Relation menu  Take a screen print exhibit | The relation menu is selected | The relation menu is selected | Pass | Exhibit:  **\_\_\_\_20\_\_\_\_\_\_** |
|  | Under Properties, remove all Relation Types other than the ones listed below:  • DM\_TRANSLATION\_OF  • Related Drawing  • Related Policy  • Supporting Document  • Validation Results  • Related Form  • Technology Transfer  Take a screen print exhibit | All relation types listed here are removed | All relation types listed here are removed | Pass | Exhibit  \_\_\_\_21\_\_\_\_\_ |
|  | Click save option | Saved the settings | Saved the settings | Pass | Exhibit  \_\_\_22\_\_\_\_\_\_ |
|  | **Configuring the mailing lists:**  To enable the links in email notifications, you must update the URLs in the Mailing list configurations to reflect your deployment environment.  In D2-Config, navigate to Go to > Mailing list from the menu bar.  In each of the Mailing list configurations:  If ***<Vanity\_URL>***  is not N/A , Change the href value to reflect the ***<Vanity\_URL>*** for your Documentum D2 installation , else change the href value to reflect the ***<Web\_Server\_FQDN>*** and port as ***<Non\_SSL\_Port>*** for your Documentum D2 installation.  Change the docbase value to reflect the name of your Documentum repository ***<Docbase\_Name>***  Click save option  Take a screen print exhibit | The mailing lists are configured | The mailing lists are configured | Pass | Exhibit:  **\_\_\_\_\_23\_\_\_\_\_** |
|  | **Configuring the mailing events:**  If necessary, enable the links in Messages corresponding to the email events , you must update the URLs in the configurations to reflect your deployment environment.  In D2-Config, navigate to Tools 🡪 Email from the menu bar.  In each of the mailing events  If ***<Vanity\_URL>***  is not N/A , Change the href value to reflect the ***<Vanity\_URL>*** for your Documentum D2 installation , else change the href value to reflect the ***<Web\_Server\_FQDN>*** and port as ***<Non\_SSL\_Port>***  Change the D2 application name as ***<D2\_App\_Name>*** for your Documentum D2 installation.  Change the docbase value to reflect the name of your Documentum repository ***<Docbase\_Name>***  Click save option  Take a screen print exhibit | The mailing events are configured | NA | NA | Exhibit:  \_\_\_\_24\_\_\_\_\_\_ |
|  | If***<Server\_Install\_Type>***is BOTH ; execute the step 4.7.8 to 4.7.16; otherwise mark steps 4.7.8 to 4.7.16 as “NA” and skip to step 4.7.17  Login to the ***<CS\_Host>*** as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  if necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful. | NA | NA | NA |
|  | Ensure home directory is /opt/***<CS\_Installation\_Owner>***. Use the following command:  echo $HOME | Value reported is /opt/***<CS\_Installation\_Owner>*** | NA | NA | NA |
|  | Shutdown all Content Server processes associated with *<Docbase\_Name>*.  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a stop -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | No processes are running for the specified docbase ***<Docbase\_Name>*** environment | No processes are running for the specified Docbase gwdmpr72 | Pass | Refer Appendix B Typescript Evidence |
|  | If it doesn’t exist, create directory to store Content Server baselines, using the following command:  mkdir -p ***<CS\_Baseline\_Dir>*/**After\_LSQM  Verify success using the following command:  ls -lad ***<CS\_Baseline\_Dir>*** | Directory ***<CS\_Baseline\_Dir>*** exists | Directory /dctm/dm0/dmadmin/restore/gwdmpr72/LSQM/27Mar2018 exists | Pass | Refer Appendix B Typescript Evidence |
|  | Take baseline of Content Server environment.  cd $HOME  tar cvf *<CS\_Baseline\_Dir>***/After\_LSQM**/server***<CS\_Env\_Name>***.tar server***<CS\_Env\_Name>***  Verify success using the following command:  ls –la *<CS\_Baseline\_Dir>*/After\_LSQM/ server*<CS\_Env\_Name>*.tar | Baseline backup taken of Content Server environment. | Baseline backup taken of Content Server environment. | Pass | Refer Appendix B Typescript Evidence |
|  | Take a baseline Oracle export of the docbase schema. Use the following command:  exp userid= ***<Docbase\_Name>***@***<Docbase\_Oracle\_DB>***file=***<CS\_Baseline\_Dir>***/After\_LSQM/***<Docbase\_Name>***.dmp  Respond, when prompted, with the appropriate account password obtained from the “DMS Accounts” spreadsheet  and, if the \_extra account exists:  exp userid = ***<Docbase\_Name>***\_Extra@***<Docbase\_Oracle\_DB>*** file=***<CS\_Baseline\_Dir>***/After\_LSQM/***<Docbase\_Name>***\_Extra.dmp  Verify success using the following command:  ls –la ***<CS\_Baseline\_Dir>***/***<Docbase\_Name>*.dmp *<CS\_Baseline\_Dir>***/After\_LSQM/***<Docbase\_Name>***\_Extra.dmp  **Note:** It is acceptable to request (via Service Catalog) Oracle DBAs to perform this backup if repository is large or Production environment. In either case, a baseline of database schemas should be obtained before continuing with this upgrade. | Oracle dump successfully completed. | Oracle dump successfully completed. | Pass | Refer Appendix B Typescript Evidence |
|  | Secure an archive of the docbase content. Use the following command:  cd ***<Docbase\_Data\_Location>***  tar cvf ***<CS\_Baseline\_Dir>***/After\_LSQM***/<Docbase\_Name>***.tar ***<Docbase\_Name>***  Verify success using the following command:  ls -la ***<CS\_Baseline\_Dir>***/After\_LSQM/***<Docbase\_Name>***.tar  **Note: It is acceptable to request (via Remedy ticket) Unix Storage team to perform this backup if repository is large or Production environment. In either case, a baseline of content storage should be obtained before continuing with this upgrade.** | Archive is successfully created.  The pathname of the archive is recorded. | Archive is successfully created.  The pathname of the archive is recorded. | Pass | Refer Appendix B Typescript Evidence |
|  | Start all Content Server processes associated with *<Docbase\_Name>*.  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a start -e init  Check processes are running:  ps -ef | grep dmadmin | grep -v grep | Processes are running for the specified docbase ***<Docbase\_Name>*** environment | Processes are running for the specified Docbase gwdmpr72 environment | Pass | Refer Appendix B Typescript Evidence |
|  | Logout of ***<CS\_Host>*** and exit the typescript, by entering commands:  exit  exit  exit | Typescript successfully exited.  Logout is successful | Typescript successfully exited.  Logout is successful | Pass | Refer Appendix B Typescript Evidence |
|  | If***<Server\_Install\_Type>***is BOTH **And**  If ***<HA\_CS\_Host>*** is not NA , execute the steps 4.7.17 to 4.7.21 ; otherwise mark the steps 4.7.17 to 4.7.21 as NA. and skip to step 4.7.22  Login to the ***<HA\_CS\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where ***<typescript\_name>*** is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>***by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM  **Note:** It is expected at this stage to see the message “Cannot locate Documentum hardcoded server environment variables”. Do NOT abort execution or report this as an a deviation | Login successful. | NA | NA | NA |
|  | Start all Content Server processes associated with *<Docbase\_Name>*.  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a start -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | All processes are running for the specified docbase ***<Docbase\_Name>*** environment | All processes are running for the specified Docbase gwdmpr72 environment | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from the ***<HA\_CS\_Host>***  exit  exit  exit | The user is logged out | The user is logged out | Pass | Refer Appendix B Typescript Evidence |
|  | If not already logged in, complete this step; otherwise skip to step 4.7.25, marking steps 4.7.22 to 4.7.24 as “NA”.  Login to the ***<Web\_Server>*** server, as the ***<Personal\_MUDID>*** account. | Login Successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  *script* ***<typescript\_name>***  where <typescript\_name> is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<Web\_Installation\_Owner>***by issuing the following command:  super ***<Web\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login successful. | NA | NA | NA |
|  | Ensure updated environment is current:  use\_***<Web\_Env\_Suffix>***  **Warning**: Ensure that you have initialized the correct environment before continuing to the next step | The script executes without error. | The script executes without error. | Pass | Refer Appendix B Typescript Evidence |
|  | Shutdown the Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s ***<Tomcat\_Instance>***  e.g.  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s tomcat\_1\_7.0.53  Verify success using following command:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  **Note:** Tomcat must remain shut down for this part of TIP execution. If necessary, comment the ***<Tomcat\_Instance>*** entry in /local/apps/documentum/server/dmg\_scripts/web\_authority\_file | Application Server is shutdown | Application Server is shutdown | Pass | Refer Appendix B Typescript Evidence |
|  | Prepare to back up the web configuration files. If ***<Web\_Backup\_Dir>***/After\_LSQM doesn’t exist, create backup directory using the following command:  mkdir -p ***<Web\_Backup\_Dir>***/After\_LSQM  Verify success using the following command:  ls -lad ***<Web\_Backup\_Dir>***/After\_LSQM | Directory ***<Web\_Backup\_Dir>***/ After\_LSQM exists | Directory /dctm/dm0/dmwebadm/backup/LSQM/27Mar2018/After\_LSQM exists | Pass | Refer Appendix B Typescript Evidence |
|  | Navigate to the tomcat directory and Take a baseline of web environment  cd $CATALINA\_HOME/..  tar –zcvf ***<Web\_Backup\_Dir>****/*After\_LSQM***/<Tomcat\_Instance>***.tar.gz ***<Tomcat\_Instance>***  Verify success using the following command:  ls -la ***<Web\_Backup\_Dir>***/After\_LSQM/***<Tomcat\_Instance>*.**tar.gz | Baseline of web environment created. | Baseline of web environment created. | Pass | Refer Appendix B Typescript Evidence |
|  | Startup Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s ***<Tomcat\_Instance>***  e.g:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s tomcat\_1\_8.0.28  Verify success using following commands:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  tail -f $CATALINA\_HOME/logs/catalina.out  **Note:** Initial startup may take longer than normal. Errors in log are expected at this point and will be corrected by the steps executed later in this section. | Tomcat Application Server is started successfully | Tomcat Application Server is started successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Logout of ***<Web\_Server>***  exit | Logout is successful | Logout is successful | Pass | Refer Appendix B Typescript Evidence |
|  | On the local PC, delete browser history and cache associated with this LSQM environment.  Take a screen print exhibit | History and cache removed from local client machine. | History and cache removed from local client machine. | Pass | Refer Appendix B Typescript Evidence |

## Back Out Plan

Should the above installation procedure fail, the installer(s) will need to complete all the steps below to return the system to its original configuration:

 Table 21 – Back Out Plan

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.8.4 marking steps 4.8.1 to 4.8.3 and as “n/a”.  Login to the *<CS\_Host>* server, as the *<Personal\_MUDID>* account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | File of name <typescript\_name> is created.  The name of the typescript is recorded:  \_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login as ***<CS\_Installation\_Owner>*** successful. | NA | NA | NA |
|  | Execute the environment file. Use the following command:  use\_***<CS\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | The script executes | NA | NA | NA |
|  | Shutdown all Content Server processes associated with *<Docbase\_Name>.*  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a stop -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | No processes are running for the specified docbase ***<Docbase\_Name>*** environment | NA | NA | NA |
|  | Delete JMS cache.  Use the following command:  rm -fr $APPSVR\_HOME/DctmServer\_MethodServer/tmp/\*  Verify success using the following command:  ls –la $APPSVR\_HOME/DctmServer\_MethodServer/tmp | Method Server cache deleted successfully | NA | NA | NA |
|  | Delete temp files from previous installations.  cd /tmp  find . –user ***<CS\_Installation\_Owner>***  For all files retrieved by the above command, execute the following command:  rm –fr <filename>  Verify success using the following command:  ls –la /tmp | Temp files are deleted | NA | NA | NA |
|  | Restore the baseline from ***<CS\_Baseline\_Dir>*** recorded in Section 4.1 | Repository successfully backed out | NA | NA | NA |
|  | Start all Content Server processes associated with *<Docbase\_Name>.*  Use the following command:  $HOME/dmg\_scripts/init\_documentum -a start -e init  Check no processes are running:  ps -ef | grep dmadmin | grep -v grep | Processes are running for the specified docbase ***<Docbase\_Name>*** environment | NA | NA | NA |
|  | Remove the files and folders  rm –fR ***<CS\_Installation\_Src\_Path>***/LSQM  verify using  ls –la ***<CS\_Installation\_Src\_Path>***/LSQM | The directories are removed | NA | NA | NA |
|  | Logout from ***<CS\_Host>***  exit  exit  exit | Logged out successfully | NA | NA | NA |
|  | If not already logged in, complete this step; otherwise skip to step 4.8.15, marking steps 4.8.12 to 4.8.14 and as “n/a”.  Login to the ***<Web\_Server>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable UNIX/Linux filename  NOTE: This step assumes that the installer is logged in on a suitable UNIX/Linux host to enable typescript recording to take place | File of name <typescript\_name> is created.  The name of the typescript is recorded:  \_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<Web\_Installation\_Owner>*** by issuing the following command:  super ***<Web\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login as ***<Web\_Installation\_Owner>*** successful. | NA | NA | NA |
|  | Shutdown the Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s ***<Tomcat\_Instance>***  e.g.  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a stop -e init -s tomcat\_1\_7.0.53  Verify success using following command:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep | Application Server is shutdown | NA | NA | NA |
|  | Restore the baseline taken in step 4.1.8  cd $CATALINA\_HOME/..  rm –fr ***<Tomcat\_Instance>***  tar – xvf ***<Web\_Backup\_Dir>****/*Before\_LSQM***/<Tomcat\_Instance>***.tar.gz  Verify success using  ls –la ***<Tomcat\_Instance>*** | Baseline is restored | NA | NA | NA |
|  | Startup Tomcat Application Server, using the following command:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s ***<Tomcat\_Instance>***  e.g:  $INSTALL\_ROOT/server/dmg\_scripts/init\_web -a start -e init -s tomcat\_1\_8.0.28  Verify success using following commands:  ps -ef | grep ***<Tomcat\_Instance>*** | grep -v grep  tail -f $CATALINA\_HOME/logs/catalina.out  **Note:** Initial startup may take longer than normal. Errors in log are expected at this point and will be corrected by the steps executed later in this section. | Tomcat is started | NA | NA | NA |
|  | Login into Index Agent Console at http://***<Primary\_xPlore\_Host\_FQDN>***:***<IA\_Port>***/***<IA\_Name>***  using login credentials of ***<CS\_Installation\_Owner>***  Click **Stop IA** button.  Logout from Index Agent Console.  Take a screen print exhibit | Index Agent is stopped | NA | NA | Exhibit  \_\_\_\_ NA \_\_\_\_ |
|  | Login xPlore Admin Console  http://***<Primary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin    xPlore host: ***<Primary\_xPlore\_Host\_FQDN>***  xPlore port: ***<xPlore\_Primary\_Port>***  Password: ***<xPlore\_Password>***  Take a screen print exhibit | Login is successful | NA | NA | Exhibit  \_\_\_\_ NA \_\_\_\_ |
|  | If ***<Single\_Node>*** = y then skip to Step 4.9.21 marking intervening steps as NA  Go to Home 🡪 Instances 🡪 ***<Secondary\_Node>*** and click "**Stop Instance**" button  Take a screen print exhibit | Secondary xPlore instance is stopped successfully. | NA | NA | Exhibit  \_\_\_\_ NA \_\_\_\_ |
|  | Go to Home 🡪 Instances 🡪 PrimaryDsearch and click "**Stop Instance**" button  Close xPlore Admin Console (click on “Sign Out” link)  Take a screen print exhibit | Primary xPlore instance is stopped successfully. | NA | NA | Exhibit  \_\_\_\_ NA \_\_\_\_ |
|  | Login on ***<Primary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>*** | Login is successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  **where** *<typescript\_name>* **is the name given by the installer to the logging file** | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful and the environment is set successfully | NA | NA | NA |
|  | Stop the index agent Use the following commands:  cd $APPSVR\_HOME  ./stopIndexagent.sh  ps -ef | grep -i ***<IA\_Name>*** | grep -v grep  There should be no existing Indexagent process. If necessary, repeat periodically until all processes are gone - this may take a minute or so. | Index Agent is stopped | NA | NA | NA |
|  | Logout from ***<Primary\_xPlore\_Host>***  exit  exit  exit | Logout is successful. | NA | NA | NA |
|  | If ***<Single\_Node>*** = y then skip to Step 4.9.34 marking intervening steps as NA |  |  |  |  |
|  | Login on ***<Secondary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>***  \ | Login is successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where ***<typescript\_name>*** is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted.  If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Login successful and the environment is set successfully | NA | NA | NA |
|  | Stop the Secondary xPlore server  cd $APPSVR\_HOME/  ./stop***<Secondary\_Node>***.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep ***<Secondary\_Node>*** | grep -v grep | There are no Java processes belonging to the Secondary xPlore Server  Note: It is critical that the components are stopped in the order specified using the processes instructed | NA | NA | NA |
|  | Logout from ***<Secondary\_xPlore\_Host>***  exit  exit  exit | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.8.28 to 4.8.32 for each extra secondary server defined in Table 10 | Step repeated as required | NA | NA | NA |
|  | If not already logged in, complete this step; otherwise skip to step , 4.8.37 marking steps 4.8.34 to 4.8.36 and as “NA”.  Login on ***<Primary\_xPlore\_Host>*** as ***<CS\_Installation\_Owner>*** | Login is successful | NA | NA | NA |
|  | Initiate a new typescript. Use the following command:  script ***<typescript\_name>***  where ***<typescript\_name>*** is the name given by the installer to the logging file | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Login as ***<CS\_Installation\_Owner>*** by issuing the following command:  super ***<CS\_Installation\_Owner>***-shell  Enter your personal password when prompted. | Login successful and the environment is set successfully | NA | NA | NA |
|  | If necessary, execute the environment file. Use the following command:  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | Environment is initialized | NA | NA | NA |
|  | Stop the Primary server  Use the following commands:  cd $APPSVR\_HOME/  ./stopPrimaryDsearch.sh  Ensure all xPlore server processes have stopped using the following command:  ps -ef | grep java | grep PrimaryDsearch | grep -v grep  No processes should be returned | xPlore stopped successfully | NA | NA | NA |
|  | Restore the Documentum xPlore configuration XML file located at ***<xPlore\_Config\_Dir>***  rm -f ***<xPlore\_Config\_Dir>***/indexserverconfig.xml  mv ***<xPlore\_Config\_Dir>***/indexserverconfig\_**<DATE>**.xml ***<xPlore\_Config\_Dir>***/indexserverconfig.xml  **<Date>** can be replaced with the **<<Date>>** value in Table 11 in section 4  Verify using  ls -la ***<xPlore\_Config\_Dir>***/indexserverconfig.xml | Restored the xplore config xml file | NA | NA | NA |
|  | Start the Primary xPlore Server  Use the following command:  cd $APPSVR\_HOME  nohup ./startPrimaryDsearch.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup.  Do not progress to subsequent steps until startup is completed | The Primary xPlore server starts without error | NA | NA | NA |
|  | Verify the Primary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Primary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays  The DSS instance PrimaryDsearch [version=1.5.0000.0393] normal | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_\_ |
|  | If ***<Single\_Node*>** = y then skip to Step 4.8.51 marking intervening steps as n/a |  |  |  |  |
|  | If not already logged in, complete this step; otherwise skip to step 4.8.46, marking steps to 4.8.43 to 4.8.45 as “NA”.  Login to the ***<Secondary\_xPlore\_Host>*** server, as the ***<Personal\_MUDID>*** account. | Login successful. | NA | NA | NA |
|  | Open a typescript logging session  script -f ***<typescript\_name>***  where <typescript\_name> is a suitable Linux filename | File of name ***<typescript\_name>*** is created.  The name of the typescript is recorded:  \_\_\_\_\_\_\_\_\_NA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | NA | NA | NA |
|  | Logon to the ***<Secondary\_xPlore\_Host>*** using the ***<CS\_Installation\_Owner>*** account.  super ***<CS\_Installation\_Owner>***-shell  Note: There is a hyphen between ***<CS\_Installation\_Owner>*** and ‘shell’ | Logon using the ***<CS\_Installation\_Owner>*** account was successful | NA | NA | NA |
|  | Initialize the correct environment  use\_***<xPlore\_Env\_Name>***  Verify environment is set :  echo $DOCUMENTUM | The environment is initialized. | NA | NA | NA |
|  | Start the Secondary xPlore Node  Use the following command:  cd $APPSVR\_HOME  nohup ./***<secondary\_node>***.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore\_***<secondary\_node>***.out &  Monitor the above logfile for completion of startup.  Do not progress to subsequent steps until startup is completed | Secondary Node is successfully started. | NA | NA | NA |
|  | Verify the Secondary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Secondary\_xPlore\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays  The DSS instance ***<secondary\_node>*** [version=1.5.0000.0393] normal | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_\_ |
|  | Logout from ***<Secondary\_xPlore\_Host>***  exit  exit  exit | Logout is successful. | NA | NA | NA |
|  | Repeat steps 4.8.43 to 4.8.49 for each extra secondary server defined in Table 10 | Step repeated as required | NA | NA | NA |
|  | In the ***<Primary\_xPlore\_Host> ,***  Start the index agent  Use the following commands:  cd $APPSVR\_HOME  nohup ./start***<IA\_Name>***.sh > ***<Documentum\_Logs\_Dir>***/start\_***<IA\_Name>***.out &  Scan the logfile ***<Documentum\_Logs\_Dir>***/start\_***<IA\_Name>***.out and wait for startup to complete. | The index agent webserver started successfully | NA | NA | NA |
|  | Logout from ***<Primary\_xPlore\_Host>***  exit  exit  exit | Logout is successful | NA | NA | NA |
|  | Rebuild indexes using the Documentum xPlore Administration tool.  Open a browser and navigate to the xPlore Administration tool:  *http://****<Primary\_xPlore\_FQDN>****:****<xPlore\_Primary\_Port>****/dsearchadmin*  Take a screen print exhibit | Rebuilding xPlore indexes and access the URL. | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_ |
|  | Navigate to:  Data Management/***<Docbase\_Name>***/default  Take a screen print exhibit | Navigated to the path | NA | NA | NA |
|  | Click Rebuild Indexes  Take a screen print exhibit | Index rebuild is successful. | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_ |
|  | Logout from Documentum xPlore Administration tool. | Logout is successful | NA | NA | NA |
|  | Start Index Agent in Normal mode  Login into Index Agent Console at http://***<Primary\_xPlore\_Host\_FQDN>***:***<IA\_Port>***/***<IA\_Name>***  using login credentials of ***<CS\_Installation\_Owner>***  Select **“Start Index Agent in Normal Mode”**  Click “Submit” button.  Logout from Index Agent Console.  Take a screen print exhibit | Index Agent is started | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_ |
|  | Login into D2-config application with ***<CS\_Installation\_Owner>*** account  http://***<Web\_Server\_FQDN>***:***<Non\_SSL\_Port>***/D2-Config/?newWindow=false  Take a screen print exhibit | Login to application D2-config | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_ |
|  | In the filter on the main toolbar, select All elements  Take a screen print exhibit | Ensure the required element is selected | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_ |
|  | Use the **File > Import configuration** to revert the configurations  Select the Configuration file exported in step 4.1.46  Click OK  Logout into D2-config application  Take a screen print exhibit | Resetting the current configuration is successful. | NA | NA | Exhibit  \_\_\_NA\_\_\_\_\_ |

## Installation Verification

The installer(s) will run this section to verify if the installation is successful.

Table 22 – Installation Verification

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | Login into D2-Config as ***<CS\_Installation\_Owner>***  http://***<Web\_Server\_FQDN>***:***<Non\_SSL\_Port>***/D2  Take a screen print exhibit | Login is successful | Login is successful | Pass | Exhibit  \_\_\_25\_\_\_\_ |
|  | Verify LS Solutions version information. Execute as described below.  Navigate to **i** icon 🡪 About LS Solutions  Click OK  Logout into D2 application  Take a screen print exhibit | LS Solutions version information which starts with 4.3.0000 is displayed. | LS Solutions version information which starts with 4.3.0000.0104 is displayed. | Pass | Exhibit:  \_\_\_26\_\_\_\_\_ |

## Execution Anomalies and Deviations

The table below contains any anomalies or deviations identified as part of the installation by the installer(s)

Table 23 - Execution Anomalies and Deviations

| Step # | Description | Impact | Corrective and Preventative Action(s) | Reference |
| --- | --- | --- | --- | --- |
| NA | NA | NA | NA | NA |

## Execution Approval

.

|  |  |
| --- | --- |
| Name | Job Title and Role |
| The installer is signing to confirm that this document has been prepared in accordance with an approved document management process and that content is consistent with the process described in SOP-IT-0294 Perform Technical Installation.  The signatory has completed all entries in the document at time of signing. | |
| Installed by:  Priyanga Palani | Installer |

# Installation Review

## Reviewer Anomalies and Deviations

The table below contains any anomalies or deviations identified as part of the installation review by independent person(s)

Table 24 - Reviewer Anomalies and Deviations

| Step # | Description | Impact | Corrective and Preventative Action(s) | Reference |
| --- | --- | --- | --- | --- |
| NA | NA | NA | NA | NA |

## Conclusion

Table 25 - Conclusion

|  |  |
| --- | --- |
| **Installation Outcome** | This installation was successful  This installation failed |
| **Comments** |  |

## Review Approval

|  |  |
| --- | --- |
| Name | Job Title and Role |
| The Independent Technical Reviewer is signing to verify that they have checked that the installation was performed correctly and that all required evidence is present in this TIR and/or attached to the change record. In addition, this will indicate that that the documents have been checked for technical accuracy and completeness. | |
| Approved by:  Neil X Stewart | Independent Technical Reviewer |
| IT QRC are signing to confirm compliance with applicable IT policies, standards and procedures. | |
| Approved by:  Radha Krishna Hari | IT QRC |

# References

Table 26 - References

| No. | Identifier | Title |
| --- | --- | --- |
|  | INS\_0381706 | CDMS Document Management Plan for the Documentum CC |
|  | STD\_0110872 | Service Design Package for the Documentum CC |
|  |  |  |

# Revision History

Table 27 - Revision History

| Version | Date  Author | Reason For Revision | Template Version Used |
| --- | --- | --- | --- |
| 1.0 | 31-Jul-17  Deepika Kumar | This is the first issue of this document. | 4.0 |
| 2.0 | 30-Jan-2018  Deepika Kumar | Reference Project ID: PRJ00010850  Updated step 4.9.1 and 4.9.2 – corrected the D2 URL and LSQM patch version. | 5.0 |

# Revision History (TIR)

Table 24 - Revision History

| Date | Version | Author | Reason For Revision |
| --- | --- | --- | --- |
| 28-Mar-2018 | 1.0 | Priyanga Palani | This is the first issue of this document. |

1. - Screen Shot Evidence

Below are any screen shots or other evidence that was collected during the process (of installation or verification).

|  |  |  |  |
| --- | --- | --- | --- |
| **Exhibit Number:** | **NA** | **TIP section and step number:** | **4.1 – 4.7 & 4.9** |
| **Installation Iteration:** | **01** | **Installer Initials;** | **PP** |
| **Installation Date:** | **28-Mar-2018** |  |  |
| **Screen Shot** | | | |
| **Filename *: Screenshot Evidence - LSQM 4.3 Installation and Configuration on Primary servers us1sxlx00194 & us1sxlx00196.doc***  **Consolidated Typescript / Evidence Script in CDMS:**  Please login into CDMS Application and navigate to below path:  ***<X> >> Corporate >> CBS >> AS >> DOCUMENTUM CC >> CM HOSTING >> TIP Results and TIR***  Document Name  ***REC\_00000622742*** | | | |

1. - Typescript Evidence

Below are any links to typescript files or other evidence that was collected during the process (of installation or verification).

|  |  |  |  |
| --- | --- | --- | --- |
| **Exhibit Number:** | **NA** | **TIP section and step number:** | **4.1 – 4.7** |
| **Installation Iteration:** | **01** | **Installer Initials;** | **PP** |
| **Installation Date:** | **28-Mar-2018** |  |  |
| **Typescript File Location/Document ID** | | | |
| **Filename *:*** ***Typescript Evidence - LSQM 4.3 Installation and Configuration on Primary servers us1sxlx00194 & us1sxlx00196.doc***  **Consolidated Typescript / Evidence Script in CDMS:**  Please login into CDMS Application and navigate to below path:  ***<X> >> Corporate >> CBS >> AS >> DOCUMENTUM CC >> CM HOSTING >> TIP Results and TIR***  Document Name:  ***REC\_00000622744*** | | | |