1. If Typescript evidence is being captured, ensure that files are given a unique Document ID and stored in the same repository as the TIR and recorded in Appendix B
2. Once install has finished the installer must collate supporting evidence, record any anomaly / deviations in the required section and immediately sign the TIR (either wet signature or via electronic signature (installer only) at version 1). This is to create formal record of the execution at time of execution.
3. The TIR must then be reviewed and approved by the independent reviewer (and QRC if applicable), who should add any additional anomalies / deviations identified as appropriate and sign the TIR (for electronic documents this should be by versioning the document to version 2. Note that the installer does not have to approve the version 2 document).

Table 7 – Installation Pre-Requisites

| # | Pre-Requisite | Rationale | Verified? | Comment |
| --- | --- | --- | --- | --- |
|  | Change Control Reference | Required for all controlled environments. |  |  |
|  | Complete Table 9 - Installation Parameters | Required before installation can commence |  | NA |
|  | Common Environment Installation TIP completed and TIR approved. | Required before installation can commence |  | 2.6.3 or higher |
|  | EMC Documentum Primary ContentServer | Primary Content server required |  | 7.1 or higher optionally with designated EMC Patch |
|  | EMC Documentum Secondary Content Servers | Secondary Content server required (optional) |  | 7.1 or higher optionally with designated EMC Patch |
|  | Installer has access via his/her personal account to distributions repository. | Required before installation can commence |  | n/a |
|  | Installer has access via his/her personal account to the target server | Required before installation can commence |  | n/a |
|  | All xPlore servers should be configured to use the UTC time zone | Confirmation required before installation can commence |  | n/a |
|  | All xPlore must have a recognised time synchronisation protocol configured and active - e.g. NTP | Confirmation required before installation can commence |  | n/a |
|  | X-windows or a suitable emulator (e.g. Hummingbird) is available on the installer’s workstation | Required before installation can commence |  | n/a |
|  | The installer has access to a Documentum Administrator environment with access to the target docbase | Required before installation can commence |  | n/a |
|  | To support GUI installations ensure the following RPM packages are deployed on the <Primary\_Host> and any <Secondary\_Host>.  Installation of xPlore 1.6 in console mode is not supported. Set up your environment to support GUI installation. Installation on 64–bit Linux requires the following RPM packages before xPlore  installation:  – libXp-version-release.architecture (e.g. libXp-1.0.0-15.1.el6.i686)  – libXi-version-release.architecture (e.g. libXi-1.3-3.el6.i686)  – libXtst-version-release.architecture (e.g. libXtst-1.0.99.2-3.el6.i686)  – libXt-version-release.architecture (e.g. libXext-1.1-3.el6.i686) | Required before installation can commence |  | n/a |

System components to be installed during this installation execution:

Table 8 - Installed Components

| **Installed?** | **Component** | **Comment** |
| --- | --- | --- |
|  | Documentum xPlore v1.6 | Documentum xPlore v1.6 installed successfully in us1sxlx00198 & us1sxlx00199 |

# Installation Execution

Table 13 - Installers

|  |  |  |
| --- | --- | --- |
| **Name** | **Initials** | **Comment** |

## Pre-Installation Instructions

Prior to installation, the installer(s) will complete all the steps below. Please note that these steps shall be completed sufficiently in advance of the planned installation date so as to allow time to remedy any issues detected during the execution of this section.

 Table 15 - Pre-Installation Instructions

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | Login to the ***<Primary\_Host>*** server, as the ***<Personal\_MUDID>*** account.  Take a screen print exhibit | Login successful. | Login successful. | Pass | Exhibit  \_\_\_\_01\_\_\_\_\_ |
|  | Initiate a typescript. Use the following command:  script -f <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  \_\_\_\_\_xplore\_198\_21Mar2018.txt\_\_\_\_\_ | The typescript file opens successfully | Pass | Exhibit  \_\_\_\_01\_\_\_\_\_ |
|  | Login as ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful. | Login successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Check sufficient disk space exists for log directories  df -k /dctm/dm0 | Command reports that at least 20GB space is free  The total size of /dctm/dm0 should be at least 80GB (this is the current default) | Command reports that at more than 20GB space is free  The total size of /dctm/dm0 is 80GB | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure all storage locations are mounted  Use the following command:  df -h ***<Storage\_Data\_Location>*** | Storage locations are mounted | Storage locations are mounted | Pass | Refer Appendix B Typescript Evidence |
|  | Exit from the ***<Installation\_Account>***-shell | Successful exit from the shell account | NA | NA | NA |
|  | Type Exit to close the script | Typescript successfully exited | NA | NA | NA |
|  | Logout from the Primary server | The user is logged out | NA | NA | NA |
|  | If ***<Single\_Node>*** = “Y” skip to section 4.2 and mark intervening steps as “n/a” |  |  |  |  |
|  | Login to the ***<Secondary\_Host>*** server, as the ***<Personal\_MUDID>*** account.  Take a screen print exhibit | Login successful. | Login successful. | Pass | Exhibit  \_\_\_\_02\_\_\_\_ |
|  | Initiate a typescript. Use the following command:  script -f <typescript\_name>  where <typescript\_name> is the name given by the installer to the logging file  Take a screen print exhibit | The typescript file opens successfully  The name of the typescript is recorded  \_\_\_\_ xplore\_199\_21Mar2018.txt \_\_\_\_\_\_\_ | The typescript file opens successfully | Pass | Exhibit  \_\_\_\_02\_\_\_\_ |
|  | Login as ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful. | Login successful. | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure sufficient space exists on /dctm/dm0 to hold temporary installation directories  Use the following command:  df -k /dctm/dm0 | A minimum of 3GB free space is available | Sufficient space is available | Pass | Refer Appendix B Typescript Evidence |
|  | Ensure all storage locations have been mounted  Use the following command:  df -h ***<Storage\_Data\_Location>*** | Storage locations are mounted | Storage locations are mounted | Pass | Refer Appendix B Typescript Evidence |
|  | Exit from the ***<Installation\_Account>***-shell | Successful exit from the shell account | NA | NA | NA |
|  | Type Exit to close the script | Typescript successfully exited | NA | NA | NA |
|  | Logout from the Secondary server | The user is logged out | NA | NA | NA |
|  | Repeat steps 4.1.10 to 4.1.17 for each extra instance of ***<Secondary\_Host>*** |  |  |  |  |

## Installation Steps – Primary xPlore Server

During the Execution, the installer(s) will complete all the steps below:

Table 16 - Installation Steps – Primary xPlore Server

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | Login to the ***<Primary\_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 Target system using the ***<Installation\_Account>*** account.  super ***<Installation\_Account>***-shell  Note: There is a hyphen between ***<Installation\_Account>*** and ‘shell’ | Logon to the Target system using the ***<Installation\_Account>*** account was successful | NA | NA | NA |
|  | If this is a coexistence environment, ensure the correct server environment is established using the following command  use\_***<Env\_Name>***  Verify success using the following command:  echo $DOCUMENTUM | Environment is set as expected | Environment is set as expected | Pass | Refer Appendix B Typescript Evidence |
|  | Create the installation directories with the required permissions.  Use the following commands  mkdir -p ***<xPlore\_Root>***  mkdir -p ***<xPlore\_Data>***  chmod 750 ***<xPlore\_Root> <xPlore\_Data>***  Verify success with the command:  ls -lad ***<xPlore\_Root> <xPlore\_Data>*** | The specified directories exist | The specified directories exist | Pass | Refer Appendix B Typescript Evidence |
|  | Create some service directories  Use the following commands  mkdir -p ***<Baseline\_Dir>***  Verify success with:  ls -la ***<Baseline\_Dir>*** | The specified directory created successfully. | The specified directory created successfully. | Pass | Refer Appendix B Typescript Evidence |
|  | Create a temporary directory to hold the distribution  Use the following commands:  mkdir -p ***<Install\_Temp>***  cd ***<Install\_Temp>***  Verify success with the command:  pwd | The current directory is set as specified | The current directory is set as specified | Pass | Refer Appendix B Typescript Evidence |
|  | Obtain the installation source.  Use the following command: sftp ***<Personal\_MUDID>***@***<Distribution\_Repository>***  *respond with your password when prompted*  cd /dctm/dm001/dmadmin/tapes/ContentServer/Linux/7.3  get xPlore\_1.6\_linux-x64.tar quit  Note: If this is the first time account <Personal\_MUDID> has accessed the distribution server an additional question commencing “The authenticity of host…” will be asked. Verify the host specified is the required one and answer “yes” to continue or “no” to abort.  Verify success using the following command:  ls -la | File xPlore\_1.6\_linux-x64.tar exists in the current directory | File xPlore\_1.6\_linux-x64.tar exists in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Extract the archive  Use the following commands:  tar xvf xPlore\_1.6\_linux-x64.tar  chmod 750 setup.bin  Verify success using the command:  ls -la setup.bin | Extraction completes successfully. Setup.bin is executable | Extraction completes successfully. Setup.bin is executable | Pass | Refer Appendix B Typescript Evidence |
|  | Set Xwindows environment to point to the desired installation workstation:  *On the desired installation workstation issue one of the following commands:*   * xhost +***<Primary\_Host\_FQDN>*** * or if using Hummingbird, start the Exceed application   On ***<Primary\_Host\_FQDN>*** issue the following command:  setenv DISPLAY ***<Workstation\_Host>***:0.0  Verify success using the following command:  echo $DISPLAY | The DISPLAY environment variable is set to ***<Workstation\_Host>*** | The DISPLAY environment variable is set to 10.142.89.186 | Pass | Refer Appendix B Typescript Evidence |
|  | Run the installation program.  Use the following command:  ./setup.bin  Respond as detailed in steps 4.2.12 to 4.2.16 | The program commences | The program commences | Pass | Refer Appendix B Typescript Evidence |
|  | On the Introduction page  Click **Next**  Take a screen print exhibit | Introduction page appears | Introduction page appears | Pass | Exhibit  \_\_03\_\_ |
|  | Set the installation directory  Installation Directory: **<xPlore\_Root>**  Click **Next**  Take a screen print exhibit | The options are completed as specified | The options are completed as specified | Pass | Exhibit  \_\_04\_\_\_ |
|  | Enter the Watchdog Mail details  SMTP Server Address: *<****SMTP\_Server>***  Email Address: ***<SMTP\_User>***  Click **Next**  Take a screen print exhibit | The options are completed as specified | The options are completed as specified | Pass | Exhibit  \_\_\_05\_\_\_\_ |
|  | Pre-Installation Summary page  Click **Install**  Take a screen print exhibit | Pre-installation Summary screen appears | Pre-installation Summary screen appears | Pass | Exhibit  \_\_\_06\_\_\_\_ |
|  | Install Compete page  Click **Done**  Take a screen print exhibit | Install Complete page appears | Install Complete page appears | Pass | Exhibit  \_\_07\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified the installation | Successfully verified the installation | Pass | Refer Appendix B Typescript Evidence |
|  | Clean up files in /tmp  Use the following commands:  cd /tmp  Delete the following objects dated from some time after the installation began:   * directory install.dir.<some\_number> * file <some\_other\_number>.tmp * file cbe.<some\_hex\_number>   Verify success using: ls -la | The files are deleted | The files are deleted | Pass | Refer Appendix B Typescript Evidence |
|  | Remove Temporary Directory:  rm -fR ***<Install\_Temp>***  Verify success with the command:  ls -la ***<Install\_Temp>*** | The specified directory does not exist | The specified directory does not exist | Pass | Refer Appendix B Typescript Evidence |
|  | If the Content Server version, which host the repositories to be indexed, is <= 7.0 the implement the workaround for SRCH-14113 from the release notes:  In following location:  ***<xPlore\_Root>***/java64/1.7.0\_72/jre/lib/security  Append to file java.security following 2 lines:  # Issue SRCH-14113 - Workaround: To work around this issue, you must allow SSLv3 connections from DFC 7.0 to pre-7.0 Content Server  com.rsa.cryptoj.jsafe.fips140initialmode=NON\_FIPS140\_MODE  Verify success with following command:  tail –f ***<xPlore\_Root>***/java64/1.7.0\_72/jre/lib/security/java.security | The 2 lines have been added to java.security or step is skipped as per instructions and N/A is recorded. | NA | NA | NA |

## Configure Primary xPlore Server

During the Execution, the installer(s) will complete all the steps below:

Table 17 - Configure Primary xPlore Server

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.3.5, marking step 4.3.3 and 4.3.4 as “n/a”.  Login to the ***<Primary\_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  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful | NA | NA | NA |
|  | Run the xPlore configuation tool.  Use the following commands:  cd ***<xPlore\_Root>/***setup/dsearch  ./configDsearch.sh  Respond as directed in steps 4.3.5 - 4.3.12 | The configuration utility starts without error | The configuration utility starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | On the Introduction Page.  Click **Next**  Take a screen print exhibit | The Introduction screen is displayed | The Introduction screen is displayed | Pass | Exhibit  \_\_\_\_\_08\_\_\_\_ |
|  | Select the Configuration Mode,  Ensure radio button **Create Primary Server Instance** is selected  Click **Next**  Take a screen print exhibit | The required data is entered | The required data is entered | Pass | Exhibit  \_\_\_\_\_\_09\_\_\_\_ |
|  | Select fully qualified domain name,  Enter the following Information:  Name: ***<Primary\_Host\_FQDN>***  Click **Next**  Take a screen print exhibit | The required data is entered | The required data is entered | Pass | Exhibit  \_\_\_\_10\_\_\_\_\_ |
|  | Set the Server Instance Information  Enter the following information:  Server Name: ***<xPlore\_Primary\_Name>***  Base Port: ***<xPlore\_Primary\_Port>***  Password for Database User: ***<xPlore\_Password>***  Re-Enter the Password: ***<xPlore\_Password>***  Click **Next**  Take a screen print exhibit | The required data is entered | The required data is entered | Pass | Exhibit  \_\_\_\_11\_\_\_\_\_ |
|  | Set the Server Instance Information  Enter the following information:  Admin User Name : ***<Admin\_Username>***  Admin Password : ***<xPlore\_Password>***  Re-enter the password: ***<xPlore\_Password>***  Click **Next**  Take a screen print exhibit | The required data is entered | The required data is entered | Pass | Exhibit  \_\_\_12\_\_\_\_\_\_ |
|  | Set the Data and Config Directory Information  Enter the following information:  Data Directory: ***<xPlore\_Data>/***data  Configuration Directory***: <xPlore\_Config\_Dir>***  Click **Next**  Take a screen print exhibit | The required data is entered | The required data is entered | Pass | Exhibit  \_\_\_\_13\_\_\_\_\_ |
|  | On the Pre-Installation Summary screen  Click **Install**  Take a screen print exhibit | Installation commences | Installation commences | Pass | Exhibit  \_\_\_\_\_14\_\_\_\_\_ |
|  | On the Configuration Complete screen  Click **Done**  Take a screen print exhibit | The program terminates | The program terminates | Pass | Exhibit  \_\_\_\_\_15\_\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified the installation | Successfully verified the installation | Pass | Refer Appendix B Typescript Evidence |
|  | Clean up files in /tmp  Use the following commands:  cd /tmp  Delete the following objects dated from some time after the installation began:   * directory install.dir.<some\_number> * file <some\_other\_number>.tmp * file cbe.<some\_hex\_number>   Verify success using: ls –la | The files are deleted | The files are deleted | Pass | Refer Appendix B Typescript Evidence |
|  | Create general logs directory  Check for the existence of work directory. Use the following command  ls -lad ***<Documentum\_Logs\_Dir>***  If the directory does not exist, create it using the following command  mkdir -p ***<Documentum\_Logs\_Dir>***  Verify success with the command  ls -lad ***<Documentum\_Logs\_Dir>*** | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Configure the work area for Primary IndexServer  Check for the existence of work directory. Use the following command  ls -lad ***<xPlore\_Work\_Dir>***/PrimaryDsearch  If the directory does not exist, create it using the following command  mkdir -p ***<xPlore\_Work\_Dir>/***PrimaryDsearch  Verify success using the command:  ls -lad ***<xPlore\_Work\_Dir>***/PrimaryDsearch | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Create the required subdirectories in PrimaryDsearch  Use the following commands:  cd ***<xPlore\_Work\_Dir>***/PrimaryDsearch  mkdir log logs tmp work  Verify success with  ls -la | Directories log logs tmp and work exist | Directories log logs tmp and work exist | Pass | Refer Appendix B Typescript Evidence |
|  | Create links to the directories  Use the following commands:  cd $APPSVR\_HOME/DctmServer\_PrimaryDsearch  ln -s ***<xPlore\_Work\_Dir>***/PrimaryDsearch/log log ln -s ***<xPlore\_Work\_Dir>***/PrimaryDsearch/logs logs ln -s ***<xPlore\_Work\_Dir>***/PrimaryDsearch/tmp tmp ln -s ***<xPlore\_Work\_Dir>***/PrimaryDsearch/work work  Verify success using the command:  ls -la | Links log, logs, tmp and work exist in the current directory  Note: A valid link will be denoted by a “/” character at the end of the line | Links log, logs, tmp and work exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Using a suitable text editor, edit file $APPSVR\_HOME/startPrimaryDsearch.sh   * Replace Xmx value with ***<Index\_Server\_Xmx>***   and  Append the below in JAVA\_OPTS  -Djava.net.preferIPv4Stack=true  For example:  JAVA\_OPTS="$USER\_MEM\_ARGS -Djboss.server.base.dir=$JBOSS\_BASE\_DIR -Djava.net.preferIPv4Stack=true"  Save edits and exit the editor  Verify success with:  cat $APPSVR\_HOME/startPrimaryDsearch.sh | File is edited correctly | File is edited correctly | Pass | Refer Appendix B Typescript Evidence |
|  | Start the xPlore primary instance  Use the following commands:  cd $APPSVR\_HOME  nohup ./startPrimaryDsearch.sh > ***<Documentum\_Logs\_Dir>***/start\_primary1.out &  Monitor the above logfile for completion of startup. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Once startup has occurred, verify success using the following  Via a suitable web browser access the following URL  http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0  Take a screen print exhibit | Web browser returns the following text:  The DSS instance PrimaryDsearch [version=1.6.0000.0835] normal | Web browser returns the following text:  The xPlore instance PrimaryDsearch [version=1.6.0000.0835] normal | Pass | Exhibit  \_\_\_\_16\_\_\_  It can be either DSS instance or xPlore instance |
|  | Exit from the ***<Installation\_Account>***-shell | Successful exit from the shell account | NA | NA | NA |
|  | Type Exit to close the script | Typescript successfully exited | NA | NA | NA |
|  | Logout from the Primary server | The user is logged out | NA | NA | NA |

## Installation Steps – Secondary xPlore Server

During the Execution, the installer(s) will complete all the steps below:

Table 18 – Installation Steps – Secondary xPlore Server

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If ***<Single\_Node>*** = “y” skip to Section 4.6 |  |  |  |  |
|  | If not already logged in, complete this step; otherwise skip to step 4.4.5, marking step 4.4.3 and 4.4.4 as “n/a”.  Login to the ***<Secondary\_Host>*** server, as the ***<Personal\_MUDID>*** account.  Take a screen print exhibit | Login successful. | NA | NA | Exhibit  \_\_\_\_\_NA\_\_\_\_\_ |
|  | Open a typescript logging session  script -f <typescript\_name>  where <typescript\_name> is a suitable Linux filename  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful | NA | NA | NA |
|  | Create required installation directories  Use the following commands:  mkdir -p ***<xPlore\_Root>***  chmod 750 ***<xPlore\_Root>***  Verify success with the following command:  ls -lad ***<xPlore\_Root>*** | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Create a temporary directory to hold the distribution  Use the following commands:  mkdir -p ***<Install\_Temp>***  cd ***<Install\_Temp>***  Verify success with the command:  pwd | The current directory is ***<Install\_Temp>*** | The current directory is ***/dctm/dm0/dmadmin/xplore16/tmp*** | Pass | Refer Appendix B Typescript Evidence |
|  | Obtain the installation source.  Use the following command: sftp ***<Personal\_MUDID>***@***<Distribution\_Repository>***  *respond with your password when prompted*  cd /dctm/dm001/dmadmin/tapes/ContentServer/Linux/7.3  get xPlore\_1.6\_linux-x64.tar quit  Note: If this is the first time account ***<Personal\_MUDID>*** has accessed the distribution server an additional question commencing “The authenticity of host…” will be asked. Verify the host specified is the required one and answer “yes” to continue or “no” to abort.  Verify success using the following command:  ls -la | File xPlore\_1.6\_linux-x64.tar exists in the current directory | File xPlore\_1.6\_linux-x64.tar exists in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Extract the archive  Use the following commands:  tar xvf xPlore\_1.6\_linux-x64.tar  chmod 750 setup.bin  Verify success using the command:  ls -la setup.bin | Extraction completes successfully. Setup.bin is executable | Extraction completes successfully. Setup.bin is executable | Pass | Refer Appendix B Typescript Evidence |
|  | Set Xwindows environment to point to the desired installation workstation:  *On the desired installation workstation issue one of the following commands:*   * xhost +***<Secondary\_Host\_FQDN>*** * or if using Hummingbird, start the Exceed application   On ***<Secondary\_Host\_FQDN>*** issue the following command:  setenv DISPLAY ***<Workstation\_Host>***:0.0  Verify success using the following command:  echo $DISPLAY | The DISPLAY environment variable is set to ***<Workstation\_Host>*** | The DISPLAY environment variable is set to 10.142.89.186 | Pass | Refer Appendix B Typescript Evidence |
|  | Run Install program  Use the following command  ./setup.bin  Respond as directed in steps 4.4.11 - 4.4.15 | The installer starts without error | The installer starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | On the Introduction Page  Click **Next**  Take a screen print exhibit | Introduction page appears | Introduction page appears | Pass | Exhibit  \_\_\_\_17\_\_\_\_\_ |
|  | Set the installation directory: ***<xPlore\_Root>***  Click **Next**  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_\_18\_\_\_\_\_ |
|  | Enter the Watchdog Mail details  SMTP Server Address: ***<SMTP\_Server>***  Email Address: ***<SMTP\_User>***  Click **Next**:  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_19\_\_\_\_\_\_ |
|  | On the Pre-Installation Summary page,  Click **Install**  Take a screen print exhibit | The application is installed | The application is installed | Pass | Exhibit  \_\_\_\_\_20\_\_\_\_ |
|  | On the Install Complete page,  Click **Done**  Take a screen print exhibit | The program terminates | The program terminates | Pass | Exhibit  \_\_\_\_\_21\_\_\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified log file. | Successfully verified log file. | Pass | Refer Appendix B Typescript Evidence |
|  | Clean up files in /tmp  Use the following commands:  cd /tmp  Delete the following objects dated from some time after the installation began:   * directory install.dir.<some\_number> * file <some\_other\_number>.tmp * file cbe.<some\_hex\_number>   Verify success using: ls -la | The files are deleted | The files are deleted | Pass | Refer Appendix B Typescript Evidence |
|  | Cleanup  Remove the temporary directory:  rm -fR ***<Install\_Temp>***  Verify success using the command:  ls -lad ***<Install\_Temp>*** | The specified directory does not exist | The specified directory does not exist | Pass | Refer Appendix B Typescript Evidence |
|  | If the Content Server version, which host the repositories to be indexed, is <= 7.0 the implement the workaround for SRCH-14113 from the release notes:  In following location:  ***<xPlore\_Root>***/java64/1.7.0\_72/jre/lib/security  Append to file java.security following 2 lines:  # Issue SRCH-14113 - Workaround: To work around this issue, you must allow SSLv3 connections from DFC 7.0 to pre-7.0 Content Server  com.rsa.cryptoj.jsafe.fips140initialmode=NON\_FIPS140\_MODE  Verify success with following command:  tail –f ***<xPlore\_Root>***/java64/1.7.0\_72/jre/lib/security/java.security | The 2 lines have been added to java.security or step is skipped as per instructions and N/A is recorded. | NA | NA | NA |
|  | Repeat steps 4.4.2 to 4.4.19 for each extra Secondary Server instance in Table 10 | All secondary servers have xPlore installed | NA | NA | NA |

## Configure Secondary xPlore Server

During the Execution, the installer(s) will complete all the steps below:

Table 19 - Configure Secondary xPlore Server

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If ***<Single\_Node>*** = “y” skip to Section 4.6 |  |  |  |  |
|  | If not already logged in, complete this step; otherwise skip to step 4.5.5 marking step 4.5.3 and 4.5.4 as “n/a”.  Login to the ***<Secondary\_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  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful | NA | NA | NA |
|  | run the xPlore configuration tool using the following commands:  cd ***<xPlore\_Root>/***setup/dsearch  ./configDsearch.sh  Respond as directed in steps 4.5.6 to 4.5.13 | The configuration tool starts without error | The configuration tool starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | On the Introduction Page  Click **Next**  Take a screen print exhibit | The screen is displayed | The screen is displayed | Pass | Exhibit  \_\_\_\_\_22\_\_\_\_\_ |
|  | Set the Configuration Mode  Ensure radio button **Create Secondary Server Instance** is selected  Ensure Create as a Spare Node is **NOT** checked  Click **Next**  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_23\_\_\_\_\_\_ |
|  | Set the Secondary server information  Enter the following information  Secondary server : ***<Secondary\_Host\_FQDN>***  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_24\_\_\_\_\_\_ |
|  | Set the Primary Server Information  Enter the following information:  Primary Host: ***<Primary\_Host\_FQDN>***  Primary Port: ***<xPlore\_Primary\_Port>***  Click **Next**  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_25\_\_\_\_\_ |
|  | Set the Server Instance Information  Enter the following information:  Server Name: ***<Secondary\_Node>***  Base Port: ***<Secondary\_Port>***  Password for Admin User: ***<xPlore\_Password>***  Re-Enter the Password: : ***<xPlore\_Password>***  Select Roles  Ensure Search/Indexing (dsearch) **IS** checked  EnsureDsearch Administration Console is **NOT** checked  Click **Next**:  **Note:** Obtain ***<xPlore secondary Name>*** and ***<xPlore Secondary Port>*** from Table 10  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_\_26\_\_\_\_\_ |
|  | Set the Dsearch Log Directory Information  Log Directory**:*<xPlore\_Data>***/dblog  Click **Next**  Take a screen print exhibit | The required data is input correctly | The required data is input correctly | Pass | Exhibit  \_\_\_\_27\_\_\_\_\_ |
|  | On the Pre-Installation Summary screen  Click **Install**  Take a screen print exhibit | The application configures without error | The application configures without error | Pass | Exhibit  \_\_\_\_\_28\_\_\_\_\_ |
|  | On the Configuration Complete screen  Click **Done**  Take a screen print exhibit | The program exits | The program exits | Pass | Exhibit  \_\_\_\_\_29\_\_\_\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified log file. | Successfully verified log file. | Pass | Refer Appendix B Typescript Evidence |
|  | Clean up files in /tmp  Use the following commands:  cd /tmp  Delete the following objects dated from some time after the installation began:   * directory install.dir.<some\_number> * file <some\_other\_number>.tmp * file cbe.<some\_hex\_number>   Verify success using: ls -la | The files are deleted | The files are deleted | Pass | Refer Appendix B Typescript Evidence |
|  | Create general logs directory  Check for the existence of work directory. Use the following command  ls -lad ***<Documentum\_Logs\_Dir>***  If the directory does not exist, create it using the following command  mkdir -p ***<Documentum\_Logs\_Dir>***  Verify success with the command  ls -lad ***<Documentum\_Logs\_Dir>*** | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Configure the work area for the Secondary IndexServer  Check for the existence of work directory. Use the following command  ls -lad ***<xPlore\_Work\_Dir****>*/**<Secondary\_Node>**  If the directory does not exist, create it using the following command  mkdir -p ***<xPlore\_Work\_Dir****>*/**<Secondary\_Node>**  Verify success using the command:  ls -lad <***xPlore\_Work\_Dir****>*/**<Secondary\_Node>** | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Create the required subdirectories in the Secondary Node  Use the following commands:  cd ***<xPlore\_Work\_Dir****>*/**<Secondary\_Node>**  mkdir log logs tmp work  Verify success using the command:  ls -la | Directories log logs tmp and work exist | Directories log logs tmp and work exist | Pass | Refer Appendix B Typescript Evidence |
|  | Create links to the directories  Use the following commands:  cd $APPSVR\_HOME/DctmServer\_***<Secondary\_Node>***  ln -s ***<xPlore\_Work\_Dir>***/**<Secondary\_Node>**/log log  ln -s ***<xPlore\_Work\_Dir>***/**<Secondary\_Node>**/logs logs  ln -s ***<xPlore\_Work\_Dir>***/**<Secondary\_Node>**/tmp tmp  ln -s ***<xPlore\_Work\_Dir>***/**<Secondary\_Node>**/work work  Verify success using the command:  ls -la $APPSVR\_HOME/DctmServer\_***<Secondary\_Node>*** | Links log,logs,tmp and work exist in the current directory  Note: A valid link will be denoted by a “/” character at the end of the line | Links log,logs,tmp and work exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Using a suitable text editor, edit file $APPSVR\_HOME/start**<Secondary\_Node>**.sh   * Replace Xmx value with ***<Index\_Server\_Xmx>***   and  Append the below in JAVA\_OPTS  -Djava.net.preferIPv4Stack=true  For example:  JAVA\_OPTS="$USER\_MEM\_ARGS -Djboss.server.base.dir=$JBOSS\_BASE\_DIR -Djava.net.preferIPv4Stack=true  Save edits and exit the editor  Verify success with:  cat $APPSVR\_HOME/start***<Secondary\_Node>***.sh | File is edited correctly | File is edited correctly | Pass | Refer Appendix B Typescript Evidence |
|  | Repeat steps 4.5.5 to 4.5.20 for each extra secondary server defined in Table 10 | All Secondary servers are configured | NA | NA | NA |
|  | Restart xPlore on all servers  Login to ***<Primary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Restart 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  If xPlore has stopped then restart it using:  nohup ./startPrimaryDsearch.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0” | xPlore restarts successfully | xPlore restarts successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Verify the Primary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays something similar to  The DSS instance PrimaryDsearch [version=1.6.0000.0393] normal | The browser displays something similar to  The xPlore instance PrimaryDsearch [version=1.6.0000.0835] normal | Pass | Exhibit  \_\_\_\_30\_\_\_\_\_ |
|  | Logout from ***<Primary\_Host>*** | Logout is successful | NA | NA | NA |
|  | Login to ***<Secondary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Start the secondary xPlore Server.  Use the following commands:  cd $APPSVR\_HOME/  nohup ./start**<Secondary\_Node>**.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0” | The server starts without error | The server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Verify the Secondary xPlore server is running.  Using a suitable browser access the following URL:  http://***<Secondary\_Host\_FQDN>***:***<Secondary\_Port>***/dsearch  Exit the browser  Take a screen print exhibit | The browser displays something similar to  The DSS instance PrimaryDsearch [version=1.6.0000.0393] normal | The browser displays The xPlore instance DsearchNode2 [version=1.6.0000.0835] normal | Pass | Exhibit  \_\_\_\_\_31\_\_\_ |
|  | Logout from ***<Secondary\_Host>*** | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.5.26 to 4.5.29 for each extra secondary server defined in Table 10 | All secondary servers are restarted | NA | NA | NA |
|  |  |  |  |  |  |

## Install and Configure the Index Agent

After the installation, the installer(s) will complete all the steps below:

Table 20 - Install and Configure the Index Agent

| 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 step 4.6.2 and 4.6.3 as “n/a”.  Login to the ***<Target\_Host>*** application server, as the ***<Personal\_MUDID>*** account. |  | NA | NA | NA |
|  | Open a typescript logging session  script -f <typescript\_name>  where <typescript\_name> is a suitable Linux filename  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful | NA | NA | NA |
|  | Install Index Agent  Use the following command:  cd ***<xPlore\_Root>/***setup/indexagent  Verify success with the command  pwd | The current directory is as specified | The current directory is as specified | Pass | Refer Appendix B Typescript Evidence |
|  | Set Xwindows environment to point to the desired installation workstation:  *On the desired installation workstation issue one of the following commands:*   * xhost +***<Primary\_Host\_FQDN>*** * or if using Hummingbird, start the Exceed application   On ***<Primary\_Host\_FQDN>*** issue the following command:  setenv DISPLAY ***<Workstation\_Host>***:0.0  Verify success using the following command:  echo $DISPLAY | The DISPLAY environment variable is set to ***<Workstation\_Host>*** | The DISPLAY environment variable is set to ***<Workstation\_Host>*** | Pass | Refer Appendix B Typescript Evidence |
|  | Run the configuration program  Use the following command:  ./configIndexagent.sh  Respond as directed in steps 4.6.7 to 4.6.18 | The program starts without error | The program starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | On the Introduction Page, click **Next**  Take a screen print exhibit | The page displays | The page displays | Pass | Exhibit  \_\_\_\_\_32\_\_\_\_ |
|  | On the Select Configuration Mode Page.  Ensure radio button **Create a New Index Agent** is selected**.**  Click **Next**  Take a screen print exhibit | Data is entered correctly | Data is entered correctly | Pass | Exhibit  \_\_\_\_\_33\_\_\_\_\_ |
|  | On the Server Instance Information page.  Enter the following data  Server Name: ***<IA\_Name>***  Listener: ***<IA\_Port>***  Password for Admin User: ***<xPlore\_Password>***  Re-Enter the Password: ***<xPlore\_Password>***  Click **Next**:  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_\_34\_\_\_\_\_ |
|  | Enter the FQDN of the IndexAgent host  Name:***<Primary\_Host\_FQDN>***  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_\_35\_\_\_\_\_ |
|  | Enter the Primary Dsearch Server Details  DSearch Host: ***<Primary\_Host\_FQDN>***  DSearch Port: ***<xPlore\_Primary\_Port>***  Click **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_36\_\_\_\_\_\_ |
|  | Enter Directory for Local Content: ***<IA\_Root>/***IATemp*/DctmServer\_****<IA\_Name>/***data/Indexagent/export  Click **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_\_37\_\_\_\_\_\_ |
|  | Enter the Connection Broker Information:  Host: ***<Broker\_xPlore>***  Port: ***<Broker\_Port\_xPlore>***  Ensure “Use Certificates” option is not selected.  Click on **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_38\_\_\_\_\_\_ |
|  | Enter the Docbase Information:  Docbase: ***<Docbase\_Name>***  User Name: ***<Installation\_Account>***  Password: ***<Docbase\_Password>***  Click on **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_39\_\_\_\_\_\_ |
|  | Enter Global Registry Information  Repository Name: ***<Global\_Repository\_Name>***  Login Name: ***<Global\_Repository\_User>***  Password: ***<Global\_Repository\_Password>***  Click on **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_40\_\_\_\_\_\_\_ |
|  | Set Storage Location.  Ensure “Select Storage Location” is set to: **default**  Click **Next**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_\_\_41\_\_\_\_ |
|  | On Pre-installation Summary screen  Click **Start**  Take a screen print exhibit | All data is entered correctly | All data is entered correctly | Pass | Exhibit  \_\_\_\_42\_\_\_\_\_ |
|  | On the Configuration Complete page.  Click **Done**  Take a screen print exhibit | The program continues the installation | The program continues the installation | Pass | Exhibit  \_\_\_\_43\_\_\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified log file. | Successfully verified log file. | Pass | Refer Appendix B Typescript Evidence |
|  | Clean up files in /tmp  Use the following commands:  cd /tmp  Delete the following objects dated from some time after the installation began:   * directory install.dir.<some\_number> * file <some\_other\_number>.tmp * file cbe.<some\_hex\_number>   Verify success using: ls -la | The files are deleted | The files are deleted | Pass | Refer Appendix B Typescript Evidence |
|  | Configure the index agent to have direct access to content  Use the following commands:  Using a suitable text editor edit file $APPSVR\_HOME/DctmServer\_***<IA\_Name>***/deployments/IndexAgent.war/WEB-INF/classes/indexagent.xml  Locate element <all\_filestores\_local>  Ensure value for this element is set to true  Save edits and exit the editor  Verify success with:  cat $APPSVR\_HOME/DctmServer\_***<IA\_Name>***/deployments/IndexAgent.war/WEB-INF/classes/indexagent.xml | Value of all\_filestores\_local element is set to true | Value of all\_filestores\_local element is set to true | Pass | Refer Appendix B Typescript Evidence |
|  | Configure the work area for IndexAgent  Check for the existence of work directory. Use the following command  ls -lad ***<xPlore\_Work\_Dir>***/***<IA\_Name>***  If the directory does not exist, create it using the following command  mkdir -p ***<xPlore\_Work\_Dir>/<IA\_Name>***  Verify success using the command:  ls -lad ***<xPlore\_Work\_Dir>***/***<IA\_Name>*** | The specified directory exists | The specified directory exists | Pass | Refer Appendix B Typescript Evidence |
|  | Create the required subdirectories in IndexAgent  Use the following commands:  cd ***<xPlore\_Work\_Dir>***/***<IA\_Name>***  mkdir log logs tmp work  Verify success with  ls -la | Links log, logs, tmp and work exist in the current directory  Note: A valid link will be denoted by a “/” character at the end of the line | Links log, logs, tmp and work exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Create links to the directories  Use the following commands:  cd $APPSVR\_HOME/DctmServer\_***<IA\_Name>***  ln -s ***<xPlore\_Work\_Dir>***/***<IA\_Name>***/log log ln -s ***<xPlore\_Work\_Dir>***/***<IA\_Name>***/logs logs ln -s ***<xPlore\_Work\_Dir>***/***<IA\_Name>***/tmp tmp ln -s ***<xPlore\_Work\_Dir>***/***<IA\_Name>***/work work  Verify success using the command:  ls -la | Links log, logs, tmp and work exist in the current directory  Note: A valid link will be denoted by a “/” character at the end of the line | Links log, logs, tmp and work exist in the current directory | Pass | Refer Appendix B Typescript Evidence |
|  | Restart the xPlore environment  If ***<Single\_Node>***  = y then skip to step 4.6.28 marking the intervening step as n/a |  |  |  |  |
|  | Stop the Secondary xPlore server  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to Instances -> **<Secondary\_Node>**  Click on button ***Stop Instance***  Exit the dsearchadmin tool (click on “Sign Out” link)  Then  Use the following commands:  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 |
|  | Repeat step 4.6.25 for each extra secondary server defined in Table 10 | Step repeated as required |  |  | Refer Appendix B Typescript Evidence |
|  | Stop the Primary xPlore Server  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to Instances -> PrimaryDsearch  Click on button ***Stop Instance***  Exit the dsearchadmin tool (click on “Sign Out” link)  Then,  Login on ***<Primary\_Host>***  as ***<Installation\_Account>***  Shutdown the Primary xPlore instance  cd $APPSVR\_HOME  ./stopPrimaryDsearch.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep PrimaryDsearch | grep -v grep | There are no Java processes belonging to the Primary xPlore Server | There are no Java processes belonging to the Primary xPlore Server | 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. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0” | The Primary xPlore server starts without error | The Primary xPlore server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Primary\_Host>*** | Logout is successful | NA | NA | NA |
|  | If ***<Single\_Node>***  = y then skip to step 4.6.35 marking intervening steps as n/a |  |  |  |  |
|  | Login to ***<Secondary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Start the Secondary xPlore Server  Use the following command:  cd $APPSVR\_HOME  nohup ./**start<Secondary\_Node>**.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0” | The Secondary xPlore server starts without error | The Secondary xPlore server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Repeat step 4.6.32 for each extra secondary server defined in Table 10 |  |  |  |  |
|  | If ***<multi\_storage>***  = n then skip to step 4.6.39 marking intervening steps as n/a |  |  |  |  |
|  | Open the xPlore Admin tool: http***://<Primary\_Host\_FQDN>:<xPlore\_Primary\_Port>/***dsearchadmin | Admin tool starts without error | Admin tool starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Navigate to **System Overview** and then **Global Configuration**  In the **Storage Location** tab:  Click on **Add Storage**  Set the Name - ***<Storage\_Name>***  Set the Path - ***<Storage\_Data\_Location>***  Click **Save**  Click **Apply**  Click **OK**  Take a screen print exhibit | Storage location is created without error | Storage location is created without error | Pass | Exhibit  \_\_\_\_\_44\_\_\_\_\_\_ |
|  | Repeat step 4.6.36 for each extra storage name defined in Table 11 until they have all been created |  |  |  |  |
|  | If ***<multi\_collection>*** = n then skip to step 4.6.42 marking intervening steps as n/a |  |  |  |  |
|  | Create new collection objects  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to **Data Management /*<Docbase\_Name>***  Click the **New collection** button  Enter the Collection details:  Name: *<****Docbase\_Name>\_<Collection\_Name>***  Usage: Data  Document Category: dftxml  Binding Instance: ***<Binding\_Node>***  Chose another location box is checked  Storage Location: -- ***<Storage\_Name>***  Click on **Save**  Take a screen print exhibit | New collections are created successfully | New collections are created successfully | Pass | Exhibit  \_\_\_\_45\_\_\_\_\_\_ |
|  | Repeat step 4.6.40 for each extra storage name defined in Table 12 until they have all been created |  |  |  |  |
|  | Backup the xPlore Federation  Click on the Data Management node in the left-hand tree  Click the Backup button  Select radio button against blank input box  Enter ***<Baseline\_Dir>*** in the input box  Click on **OK**  Wait for the backup to complete at which point the message “Backup Domain Succeed” box appears  Click on **OK**  Take a screen print exhibit | The task proceeds without error | The task proceeds without error | Pass | Exhibit  \_\_\_\_46\_\_\_\_\_\_ |
|  | If ***<Single\_Node>***  = y then exit the xPlore Admin Tool and skip to step 4.6.49 marking intervening steps as n/a |  |  |  |  |
|  | Halt each Secondary xPlore Instance  Navigate to Instances -> **<Secondary\_Node>**  Click on button ***Stop Instance*** for each Secondary Node defined in Table 10 | Message box “Instance DsearchNode2 is stopped successfully” appears | Message box “Instance DsearchNode2 is stopped successfully” appears | Pass | Refer Appendix B Typescript Evidence |
|  | Exit the xPlore Admin Tool | The program terminates | NA | NA | NA |
|  | Shutdown the Secondary xPlore Application Server  Use the following commands:  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 | Secondary xPlore server shutdown | Secondary xPlore server shutdown | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Secondary\_Host>*** | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.6.46 to 4.6.47 for each extra secondary server defined in Table 10 |  |  |  |  |
|  | Shutdown the Primary xPlore Application Server  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to Instances -> PrimaryDsearch  Click on button ***Stop Instance***  Exit the dsearchadmin tool (click on “Sign Out” link)  Then, Use the following commands:  Login on ***<Primary\_Host>***  as ***<Installation\_Account>***  Shutdown the Primary xPlore instance  cd $APPSVR\_HOME  ./stopPrimaryDsearch.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep PrimaryDsearch | grep -v grep | Shutdown successful | Shutdown successful | 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. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed  Note : Ignore the message “Java HotSpot(TM) 64-Bit Server VM warning: ignoring option UseSplitVerifier; support was removed in 8.0” | The Primary xPlore server starts without error | The Primary xPlore server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Primary\_Host>*** | Logout is successful | NA | NA | NA |
|  | If ***<Single\_Node>*** = y then skip to Section 4.7 marking intervening steps as n/a |  |  |  |  |
|  | Login to ***<Secondary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Start the Secondary xPlore Server  Use the following command:  cd $APPSVR\_HOME  nohup ./**<Secondary\_Node>**.sh > ***<Documentum\_Logs\_Dir>***/start\_xplore.out &  Monitor the above logfile for completion of startup. This is indicated by a line something like:  INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 9.0.1.Final (WildFly Core 1.0.1.Final) started in 36530ms  Specific values may of course vary  Do not progress to subsequent steps until startup is completed | The Secondary xPlore server starts without error | The Secondary xPlore server starts without error | Pass | Refer Appendix B Typescript Evidence |
|  | Logout from ***<Secondary\_Host>*** | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.6.53 to 4.6.55 for each secondary server defined in Table 10 |  |  |  |  |

## Start Indexing – Re-index the Whole Repository

During the Execution, the installer(s) will complete all the steps below:

Table 21 - Start Indexing – Re-index the Whole Repository

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If not already logged in, complete this step; otherwise skip to step 4.7.4 marking step 4.7.2 and 4.7.3 as “n/a”.  Login to the ***<Target\_Host>*** application server, as the ***<Personal\_MUDID>*** account. |  | NA | NA | NA |
|  | Open a typescript logging session  script -f <typescript\_name>  where <typescript\_name> is a suitable Linux filename  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Login successful | NA | NA | NA |
|  | Using a suitable text editor, edit file $APPSVR\_HOME/start***<IA\_Name>***.sh   * Replace Xmx value with ***<Index\_Agent\_Xmx>*** * and   and  Append the below in JAVA\_OPTS  -Djava.net.preferIPv4Stack=true  For example:  JAVA\_OPTS="$USER\_MEM\_ARGS -Djboss.server.base.dir=$JBOSS\_BASE\_DIR -Djava.net.preferIPv4Stack=true"  Save edits and exit the editor  Verify success with:  cat $APPSVR\_HOME/start***<IA\_Name>***.sh | File is edited correctly | File is edited correctly | Pass | Refer Appendix B Typescript Evidence |
|  | 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 starts successfully | The index agent webserver starts successfully | Pass | Refer Appendix B Typescript Evidence |
|  | Start Indexing in ‘re-index’ mode  Login to the Index Agent Administration utility as dmadmin:  http://***<Primary\_Host\_FQDN>***:***<IA\_Port>***/IndexAgent  Select **Start new reinidexing operation**  Click **Submit**  Periodically log back in to the Index Agent Administration utility to check the state of the re-indexing job. The Index Agent Admin utility will report “**Reindexing is completed. Please stop IA and start IA in NORMAL mode”** | The Index Agent reports “**Reindexing is completed. Please stop IA and start IA in NORMAL mode** | Re indexing is completed. | Pass | Exhibit  \_\_\_47\_\_\_\_\_\_ |
|  | Start Index Agent in Normal mode  When the above reindexing is complete, login to the Index Agent Administration utility as ***<Installation\_Account>*** using the following URL:  http://***<Primary\_Host\_FQDN>***:***<IA\_Port>***/IndexAgent  Click the **Stop IA** button  Select **Start Index Agent in Normal Mode**  Click **Submit** | The Index Agent reverts to normal mode without error | The Index Agent reverts to normal mode without error | Pass | Exhibit  \_\_48\_\_\_\_ |
|  | Clean up the Re-Index progress messages  Login to IDQL as ***<Installation\_Account>***  Use the following command:  idql ***<Docbase>*** -U***<Installation\_Account>*** -P:  DELETE dmi\_queue\_item OBJECT  WHERE event = ‘FT re-index’  exit | The update completes without error | The update completes without error | Pass | Refer Appendix B Typescript Evidence |
|  | Run FTIntegrity to verify the degree of completeness of indexing  Login to ***<Primary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Edit the ftintegrity configuration file  Use the following commands:  cd ***<xPlore\_Root>/***setup/indexagent/tools    using a suitable text editor, edit file ftintegrity\_for\_***<Docbase\_Name>***.sh  Replace <Password\_change\_me> with the ***<Installation\_Account>*** password  Save edits and close the file | The file is correctly edited | The file is correctly edited | Pass | Refer Appendix B Typescript Evidence |
|  | Run ftintegrity  Use the following command:  ./ftintegrity\_for\_***<Docbase\_Name>***.sh | The program runs without error | The program runs without error | Pass | Refer Appendix B Typescript Evidence |
|  | Reset the ftintegrity configuration file  Using a suitable text editor,edit the file ftintegrity\_for\_***<Docbase\_name>***.sh  Replace the dmadmin password with the string <password>  Save edits and close the file  Verify success with the command:  cat ftintegrity\_for\_***<Docbase\_Name>***.sh | The file is correctly edited | The file is correctly edited | Pass | Refer Appendix B Typescript Evidence |
|  | Resubmit any missing objects for indexing  Use the following commands:  cd <***xPlore\_Root>/***setup/indexagent/tools  cp ObjectId-dctmOnly.txt ***$APPSVR\_HOME***/DctmServer\_***<IA\_Name>***/deployments/IndexAgent.war/WEB-INF/classes/ids.txt  Verify completion using the following procedure  cd ***$APPSVR\_HOME***/DctmServer\_***<IA\_Name>***/deployments/IndexAgent.war/WEB-INF/classes  Periodically log back in to the Index Agent Administration utility to check the state of the re-indexing job. The status bar will display 100%  Logout from ***<Primary\_Host>*** | Indexing completes - The status bar will display 100%  Note: Also need to add common-mismatch items as well | Indexing completes. ids..txt files disappeared. | 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 22 - Back Out Plan Instructions

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | If Index Agent is not required to be uninstalled then skip to step 4.8.17 marking intervening steps as n/a |  |  |  |  |
|  | If not already logged in, complete this step; otherwise skip to step 4.8.6 marking step 4.8.4 and 4.8.5 as “n/a”.  Login to the ***<Target\_Host>*** application server, as the ***<Personal\_MUDID>*** account. |  |  |  |  |
|  | Open a typescript logging session  script -f <typescript\_name>  where <typescript\_name> is a suitable Linux filename  NOTE: This step assumes that the installer is logged in on a suitable 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 ***<Installation\_Account>*** by issuing the following command:  super ***<Installation\_Account>***-shell  Enter your personal password when prompted. | Logon to the Target system using the ***<Installation\_Account>*** account was successful | NA | NA | NA |
|  | Set Xwindows environment to point to the desired installation workstation:  *On the desired installation workstation issue one of the following commands:*   * xhost +***<Primary\_Host\_FQDN>*** * or if using Hummingbird, start the Exceed application   On ***<Primary\_Host\_FQDN>*** issue the following command:  setenv DISPLAY ***<Workstation\_Host>***:0.0  Verify success using the following command:  echo $DISPLAY | The DISPLAY environment variable is set to ***<Workstation\_Host>*** | NA | NA | NA |
|  | Start the IndexAgent configuration program  Use the following commands:  cd ***<xPlore\_Root>***/setup/indexagent  ./configindexagent.sh  Respond as directed in steps 4.8.7 - 4.8.13 | The “Introduction” screen appears | NA | NA | NA |
|  | On the Introduction page  Click **Next**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On the Select Configuration Mode screen  Click on radio button “Delete Existing IndexAgent”  Click **Next**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On the Select Instance screen  Select “Indexagent” from the drop down list  Click **Next**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On the Connection Broker Information screen  Set the values:  Host: ***<Broker\_xPlore>***  Port ***<Broker\_Port\_xPlore>***  Click on **Connect**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On Docbase Information screen  Set the values:  Select Docbase: ***<Docbase\_Name>***  User Name: ***<Installation\_Account>***  Password: ***<Docbase\_Password>***  Click **Next**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On the Pre-Installation Summary screen  Review details and if correct  Click **Install**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | On the Deletion Complete screen  Click **Done**  Take a screen print exhibit | The options are completed as specified | NA | NA | Exhibit  \_\_\_\_NA\_\_\_\_\_\_\_ |
|  | Verify logs created during the installation  Use the following command:  cat logs/install.log | Successfully verified log file. | NA | NA | NA |
|  | Logout of ***<Primary\_Host>*** | Logout is successful | NA | NA | NA |
|  | If ***<Single\_Node>*** = y then skip to Step 4.8.23 marking intervening steps as n/a |  |  |  |  |
|  | Login on ***<Secondary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Stop the Secondary xPlore server  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to Instances -> **<Secondary\_Node>**  Click on button ***Stop Instance***  Exit the dsearchadmin tool (click on “Sign Out” link)  Then  Use the following commands:  cd $APPSVR\_HOME/  ./stop**<Secondary\_Node>**.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep DsearchNode2 | 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 |
|  | Delete the code tree.  Use the following command  cd  /bin/rm -fR ***<xPlore\_Root>***  Verify success using the command:  ls -lad ***<xPlore\_Root>*** | The specified directory does not exist | NA | NA | NA |
|  | Delete the working directory  Use the following command:  /bin/rm -fR ***<xPlore\_Work\_Dir>*** | The specified directory does not exist | NA | NA | NA |
|  | Logout from ***<Secondary\_Host>*** | Logout is successful | NA | NA | NA |
|  | Repeat steps 4.8.17 to 4.8.21 for each secondary server defined in Table 10 |  |  |  |  |
|  | Login on ***<Primary\_Host>*** as ***<Installation\_Account>*** | Login is successful | NA | NA | NA |
|  | Stop the Primary xPlore server  Using a suitable browser login to the dsearchadmin tool:  URL: http://***<Primary\_Host\_FQDN>***:***<xPlore\_Primary\_Port>***/dsearchadmin  Use password ***<xPlore\_Password>***  Navigate to Instances -> PrimaryDsearch  Click on button ***Stop Instance***  Exit the dsearchadmin tool (click on “Sign Out” link)  Then  Use the following commands:  cd $APPSVR\_HOME/  ./stopPrimaryDsearch.sh  Monitor progress until the Java processes terminate - use the following command: ps -ef | grep java | grep PrimaryDsearch | 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 |
|  | Delete the code tree  Use the following command  cd  /bin/rm -fR ***<xPlore\_Root>***  Verify success using the command:  ls -lad ***<xPlore\_Root>*** | The specified directory does not exist | NA | NA | NA |
|  | Delete the data directory  Use the following command:  /bin/rm /fR ***<xPlore\_Data>***  Verify success with the command:  ls -lad ***<xPlore\_Data>*** | The specified directory does not exist | NA | NA | NA |
|  | Delete the working directory  Use the following command:  /bin/rm -fR ***<xPlore\_Work\_Dir>*** | The specified directory does not exist | NA | NA | NA |
|  | Exit from the ***<Installation\_Account>***-shell | Successful exit from the shell account | NA | NA | NA |
|  | Type Exit to close the script | Typescript successfully exited | NA | NA | NA |
|  | Logout from the target system | The user is logged out | NA | NA | NA |

## Installation Verification

Table 23 – Installation Verification

| Step # | Instructions | Expected Result | Actual Result | Pass/ Fail | Reference/ Comment |
| --- | --- | --- | --- | --- | --- |
|  | Login to *<Docbase\_Name>* using a suitable approved client for that docbase  e.g. Webtop or DA  Take a screen print exhibit | A docbase session starts successfully | A docbase session starts successfully | Pass | Exhibit  \_\_\_\_49\_\_\_\_ |
|  | Move to Home Cabinet folder  Take a screen print exhibit | Client software displays Home Cabinet folder | Client software displays Home Cabinet folder | Pass | Exhibit  \_\_\_\_50\_\_\_ |
|  | Create and check in a sample Word document Test1.doc with arbitrary contents  Take a screen print exhibit | Document Test1.doc is created successfully | Document Test1.doc is created successfully | Pass | Exhibit  \_\_\_\_51\_\_\_\_ |
|  | Edit document Test1 created above - add content “xPlore 1.6 Installation Verification”. Check in the document  Take a screen print exhibit | The document is successfully checked in  Two versions are visible when showing version information | The document is successfully checked in  Two versions are visible when showing version information | Pass | Exhibit  \_\_\_\_52\_\_\_\_ |
|  | Search the document using Search option with content contains “xPlore”  Note - If xPlore is configured to index metadata only then this step can be marked N/A  Take a screen print exhibit | Document Test1 is returned through Test results. | Document Test1 is returned through Test results. | Pass | Exhibit  \_\_\_53\_\_\_\_\_ |
|  | Delete all version of document Test1.doc created above  Take a screen print exhibit | Document Test1.doc created above is no longer visible in the folder | Document Test1.doc created above is no longer visible in the folder | Pass | Exhibit  \_\_\_\_54\_\_\_\_\_ |

## Execution Anomalies and Deviations

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

Table 24 - 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:  Deepika Kumar | 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 25 - Reviewer Anomalies and Deviations

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

## Conclusion

Table 26 - 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 27 - 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 28 - Revision History

| Date | Version | Author | Reason For Revision |
| --- | --- | --- | --- |
| 04-Aug-2017 | 1.0 | Deepika Kumar | Initial version for xPlore 1.6 |

# Revision History (TIR)

Table 29 - Revision History

| Date | Version | Author | Reason For Revision |
| --- | --- | --- | --- |
| 22-Mar-2018 | 1.0 | Deepika Kumar | 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** |
| **Installation Iteration:** | **01** | **Installer Initials;** | **DK** |
| **Installation Date:** | **22-Mar-2018** |  |  |
| **Screen Shot** | | | |
| **Filename *Screenshot Evidence - Installation and Configuration of xPlore 1.6 in host us1sxlx00198 & us1sxlx00199.docx***  **Consolidated Typescript / Evidence Script in CDMS:** | | | |

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;** | **DK** |
| **Installation Date:** | **22-Mar-2018** |  |  |
| **Typescript File Location/Document ID** | | | |
| **Filename *Typescript Evidence - Installation and Configuration of xPlore 1.6 in host us1sxlx00198 & us1sxlx00199.docx***  **Consolidated Typescript / Evidence Script in CDMS:**  Please login into CDMS Application and navigate to below path: | | | |