



SAS Drug Development 4.2.1.B

September 12, 2014
Upgrade Instructions

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SAS Drug Development 4.2.1.B, Installation Instructions

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Checklist A: “Backup of SDD 4.2.1.A jar”

Note: This document is intended to assist an administrator in installing *SAS Drug Development (SDD) 4.2.1.B* from version *4.2.1.A*.

Prerequisites: All installation checklists for SDD 4.2.1.A should have been completed prior to completing this checklist.

| Checklist A: “Backup of SDD 4.2.1.A jar” | | Corresponding Document: <i>None</i> | |
|--|--|---|----------------|
| # | Activity | Expected Results | Actual Results |
| A1. | Login to an admin PC. | Windows display appears. | |
| A2. | Start Xming by selecting Start → Programs → Xming → Xming . <i>Note:</i> Exceed was having some display issues with some third party applications, so we recommend using Xming. | Xming starts and you see an icon on the PC taskbar. | |
| A3. | Using the putty tool, create an ssh connection from the admin PC to the web server and login as webtrust . Make sure the Enable X11 forwarding option is not set. Setting this option causes the web application to crash occasionally. | You’re prompted for the password. | |
| A4. | Enter the webtrust <i>password</i> . | You’re logged into web server. | |
| A5. | Use the script command to capture commands that are typed in the Unix window. The syntax is script /var/staging_logs/<servername>_421B_upgrade.txt | System should indicate script has started. | |
| A6. | Type cd /sso/sfw/tcServer/sddserver1/webapps/sdd/WEB-INF/lib | Directory is changed. | |
| A7. | Type cp sas.hls.svcs.dataview.server.jar /home/webtrust/sas.hls.svcs.dataview.server.jar.sdd421A | A copy of the SDD 4.2.1.A version of the jar is made. | |
| A8. | Repeat steps A3 – A7 for any additional sddservers. | Steps repeated as necessary. | |

Signature below indicates completion of Checklist A, items A1 – A8, above.

Name (print or type): _____ Sign-off : _____ Date: _____

Checklist B: “Deploy the SDD 4.2.1.B Distribution”

| Checklist B: “Deploy the SDD 4.2.1.B Distribution” | | Corresponding Document: <i>None</i> | |
|--|---|--|----------------|
| # | Activity | Expected Results | Actual Results |
| B1. | <p><u>Transfer File</u></p> <p>From the admin PC, download the SDD 4.2.1.B distribution from the SAS Hot Fix site. After the distribution has been downloaded, use the WinSCP2 tool to copy the file to /home/webtrust/Installs on the web server. Transfer this as a binary file.</p> <p>sdd-4.2.1.B.PROD.3.20140910.142550.zip</p> | The file is transferred to the web server. | |
| B2. | <p><u>Shutdown tcServers</u></p> <p>Type cd /sso/sfw/tcServer</p> | Navigate to that directory. | |
| B3. | Type ./tcruntime-ctl.sh sddserver1 stop | <p>System displays:</p> <p>INFO Instance name: sddserver1 INFO Script directory: /sso/sfw/tcServer INFO tc Runtime location:/sso/sfw/tcServer INFO Instance base: /sso/sfw/tcServer INFO Binary dir: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE INFO Runtime version: 6.0.35.A.RELEASE INFO Script version: 2.6.3.RELEASE Instance is running as PID=29796, shutting down... Instance is running PID=29796, sleeping for up to 60 seconds waiting for shutdown Instance is still running PID=29796, forcing a shutdown</p> | |
| B4. | Type ps -ef grep webtrust | You should not see the tcserver process running. | |
| B5. | Type cd sddserver1/logs | Navigate to the /sso/sfw/tcServer/sddserver1/logs directory. | |
| B6. | Delete or rename the sdd_info.log and catalina.out files. | Log files are deleted or renamed. | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|---|--|----------------|
| # | Activity | Expected Results | Actual Results |
| B7. | Type ls -al | Verify that log files have been renamed or deleted and the .pid file has been deleted. | |
| B8. | Repeat steps B2 – B7 for the remaining tcServers, including stopping the sddserveradmin tcServer. | There are no tcServer processes running. | |
| B9. | <u>Unzip and Deploy the Build</u> Type cd /home/webtrust/Installs | Navigate to that directory. | |
| B10. | Type unzip -q sdd-4.2.1.B.PROD.3.20140910.142550.zip | The contents of the zip file are extracted. | |
| B11. | Type ls -al | You will see an SDD4.2.1.B directory that was created in the previous step. | |
| B12. | Type cd SDD4.2.1.B | Directory displays sas.hls.svcs.dataview.server.jar. | |
| B13. | Type cp sas.hls.svcs.dataview.server.jar /sso/sfw/tcServer/sddserver1/webapps/sdd/WEB-INF/lib | The file is copied to the sddserver1 webapp. | |
| B14. | Type ls -al /sso/sfw/tcServer/sddserver1/webapps/sdd/WEB-INF/lib | You will see the updated sas.hls.svcs.dataview.server.jar listed. | |
| B15. | Repeat steps B13 - B14 for each tcServer on this physical server. | Additional tcServers are updated. | |
| B16. | Repeat steps B1 - B15 for each physical server that has tcServers installed. | Additional tcServers are updated. | |
| B17. | <u>Startup tcServer Admin Server</u> Type cd /sso/sfw/tcServer | Navigate to that directory. | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|---|---|----------------|
| # | Activity | Expected Results | Actual Results |
| B18. | Type <code>./tcruntime-ctl.sh sddserveradmin start</code> | System displays: INFO Instance name: sddserveradmin INFO Script directory: /sso/sfw/tcServer INFO tc Runtime location:/sso/sfw/tcServer INFO Instance base: /sso/sfw/tcServer INFO Binary dir: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE INFO Runtime version: 6.0.35.A.RELEASE INFO Script version: 2.6.3.RELEASE Using CATALINA_BASE: /sso/sfw/tcServer/sddserveradmin Using CATALINA_HOME: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE Using CATALINA_TMPDIR: /sso/sfw/tcServer/sddserveradmin/temp Using JRE_HOME: /usr/bin/jdk/jdk1.6.0_21 Using CLASSPATH: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE/bin/bootstrap.jar Using CATALINA_PID: /sso/sfw/tcServer/sddserveradmin/logs/tcserver.pid | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|------------------------------------|---|----------------|
| # | Activity | Expected Results | Actual Results |
| B19. | Type ps -ef grep webtrust | System displays: <pre> webtrust 3963 1 0 11:47 ? 00:01:42 /usr/bin/jdk/jdk1.6.0_21/bin/java - Djava.util.logging.config.file=/sso/sfw/tcServer/sddserve radmin/conf/logging.properties -Xss192K -Xms1024M - Xmx1024M -XX:PermSize=320m - XX:MaxPermSize=320m -XX:NewSize=128m - XX:MaxNewSize=256m -XX:+UseConcMarkSweepGC -XX:-UseTLAB -XX:+DisableExplicitGC - XX:+HeapDumpOnOutOfMemoryError - Djava.util.logging.manager=com.springsource.tcserver.s erviceability.logging.TcServerLogManager - Djava.endorsed.dirs=/sso/sfw/tcServer/tomcat- 6.0.35.A.RELEASE/endorsed -classpath /sso/sfw/tcServer/tomcat- 6.0.35.A.RELEASE/bin/bootstrap.jar - Dcatalina.base=/sso/sfw/tcServer/sddserveradmin - Dcatalina.home=/sso/sfw/tcServer/tomcat- 6.0.35.A.RELEASE - Djava.io.tmpdir=/sso/sfw/tcServer/sddserveradmin/temp org.apache.catalina.startup.Bootstrap start </pre> | |
| B20. | Type cd sddserveradmin/logs | Navigate to the /sso/sfw/tcServer/sddserveradmin/logs directory. | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|--|--|----------------|
| # | Activity | Expected Results | Actual Results |
| B21. | Type tail -1000 catalina.out | <p>System displays:</p> <pre> Mar 26, 2012 10:21:56 AM org.apache.catalina.startup.Catalina load INFO: Initialization processed in 736 ms Mar 26, 2012 10:22:35 AM org.apache.catalina.startup.Catalina start INFO: Server startup in 39283 ms [2012-03-26T15:22:35Z] [Par..ing_41] Info ParameterMaster:308 Xythos WebFile Server Parameter Value Listing WebFile Server Version: 7.2.88.1020 Server last reloaded at: 2012 03 26 10:21:56 EST Xythos.RunMode = XythosStorageServer Command Line or Init File Parameter Values Xythos.Install=default Xythos.ServerGroup=default Xythos.BaseDBType=oracle Xythos.BaseDBUserName=xgs Xythos.BaseJDBCDriverName=oracle.jdbc.OracleDrive r Hosted Virtual Servers default (default) ... Mar 26, 2012 10:44:27 AM org.apache.catalina.startup.Catalina load INFO: Initialization processed in 729 ms Mar 26, 2012 10:44:35 AM org.apache.catalina.startup.Catalina start INFO: Server startup in 7734 ms </pre> | |
| B22. | Hit Ctrl-C to stop viewing this log file. | You no longer see the output of the log file. | |
| B23. | <p><u>Startup tcServer sddservers</u></p> <p>Type cd /sso/sfw/tcServer</p> | Navigate to that directory. | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|---|---|----------------|
| # | Activity | Expected Results | Actual Results |
| B24. | Type <code>./tcruntime-ctl.sh sddserver1 start</code> | <p>System displays:</p> <pre> INFO Instance name: sddserver1 INFO Script directory: /sso/sfw/tcServer INFO tc Runtime location:/sso/sfw/tcServer INFO Instance base: /sso/sfw/tcServer INFO Binary dir: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE INFO Runtime version: 6.0.35.A.RELEASE INFO Script version: 2.6.3.RELEASE Using CATALINA_BASE: /sso/sfw/tcServer/sddserver1 Using CATALINA_HOME: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE Using CATALINA_TMPDIR: /sso/sfw/tcServer/sddserver1/temp Using JRE_HOME: /usr/bin/jdk/jdk1.6.0_21 Using CLASSPATH: /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE/bin/bootstrap.jar Using CATALINA_PID: /sso/sfw/tcServer/sddserver1/logs/tcserver.pid </pre> | |
| B25. | Type <code>ps -ef grep webtrust</code> | <p>System displays:</p> <pre> webtrust 3963 1 0 11:47 ? 00:01:42 /usr/bin/jdk/jdk1.6.0_21/bin/java - Djava.util.logging.config.file=/sso/sfw/tcServer/sddserver1/conf/logging.properties -Xms1024m -Xmx1024m - XX:PermSize=320m -XX:MaxPermSize=320m - Xss160k -XX:NewSize=128m -XX:MaxNewSize=256m - -XX:+UseConcMarkSweepGC -XX:-UseTLAB - XX:+DisableExplicitGC - Djava.util.logging.manager=com.springsource.tcserver.serviceability.logging.TcServerLogManager - Djava.endorsed.dirs=/sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE/endorsed -classpath /sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE/bin/bootstrap.jar - Dcatalina.base=/sso/sfw/tcServer/sddserver1 - Dcatalina.home=/sso/sfw/tcServer/tomcat-6.0.35.A.RELEASE - Djava.io.tmpdir=/sso/sfw/tcServer/sddserver1/temp org.apache.catalina.startup.Bootstrap start </pre> | |

| Checklist B: "Deploy the SDD 4.2.1.B Distribution" | | Corresponding Document: <i>None</i> | |
|--|---|--|----------------|
| # | Activity | Expected Results | Actual Results |
| B26. | Type cd sddserver1/logs | Navigate to the /sso/sfw/tcServer/sddserver1/logs directory. | |
| B27. | Type tail -f catalina.out <i>Note:</i> Depending on how fast your server is, you may need to type tail -300 catalina.out | You will see the contents of the log file while the server is starting up. Look for the following lines, indicating success start of process. Jan 13, 2012 4:54:23 PM org.apache.catalina.startup.Catalina start INFO: Server startup in 36512 ms | |
| B28. | Hit Ctrl-C to stop viewing this log file. | You no longer see the output of the log file. | |
| B29. | Repeat steps B23 – B28 to start up any additional sddservers. | Steps repeated as necessary. | |
| B30. | Hit Ctrl-D to stop the script command. | System indicates script stopped running. | |
| B31. | Type exit | You're logged off the web server. | |

Signature below indicates completion of Checklist B, items B1 – B31, above.

Name (print or type): _____ Sign-off : _____ Date: _____