



SAS Drug Development SAS Macro API 1.4.1

Installation Qualification / Operational Qualification Checklist

Install SDD SAS Macro API 1.4.1

Version 1.00
Date January 5, 2016

Checklist A: “Install SDD SAS Macros”

Note: This checklist assumes you have completed an installation of SDD API 1.7.2.

Prerequisites: You will need to set the following property in the **lsaf.properties** configuration file on any tcServer instance that is running:

sasession.enable.trusted.connections=true

Checklist A: “Install SDD SAS Macros”		Corresponding Document: <i>None</i>	
#	Activity	Expected Results	Actual Results
A1.	Login to an admin PC.	Windows display appears.	
A2.	Using the putty tool, create an ssh connection from the admin PC to the SAS server and login as sasadmin .	You’re prompted for the password.	
A3.	Enter the <i>password</i> for sasadmin.	You’re logged into SAS server.	
A4.	Use the script command to capture commands that are typed in the Unix window. The syntax is script /var/staging_logs/<servername>_sddmacro1.4.1_<date>.txt	System should indicate script has started.	
A5.	From the admin PC, download the SDD API 1.7.2 Client distribution from the SAS Hot Fix site. After the distribution has been downloaded, use the WinSCP2 tool to copy the file to /sfw/installers on the SAS server. Transfer it as a binary file using the sasadmin userid. sdd-java-api-client-1.7.2.zip	The file is transferred to the SAS server.	

Checklist A: "Install SDD SAS Macros"		Corresponding Document: <i>None</i>	
#	Activity	Expected Results	Actual Results
A6.	From the admin PC, download the SDD Macro 1.4.1 distribution from the SAS Hot Fix site. After the distribution has been downloaded, use the WinSCP2 tool to copy the file to /sfw/installers on the SAS server. Transfer it as a binary file using the sasadmin userid. sdd-sas-macro-1.4.1.zip	The file is transferred to the SAS server.	
A7.	Stop the Object Spawner by typing /sso/biconfig/94m3/Lev1/ObjectSpawner/ObjectSpawner.sh stop	The Object Spawner is stopped.	
A8.	Type ps -ef grep sasadmin	The following process should not be running: /bin/sh -p /sso/biconfig/94m3/Lev1/ObjectSpawner/ObjectSpawner.sh start2_tag	
A9.	Type cd /sso/sfw/sas/94m3/SASFoundation/9.4	Navigate to that directory.	
A10.	Type mkdir sddapi	Directory is created.	
A11.	Type cd sddapi	Navigate to that directory.	
A12.	Type unzip -q /sfw/installers/sdd-java-api-client-1.7.2.zip	Contents of zip file are extracted.	
A13.	Type unzip -q /sfw/installers/sdd-sas-macro-1.4.1.zip	Contents of zip file are extracted.	
A14.	Type touch sdd_macros.log	The file is created.	
A15.	Type chmod 777 sdd_macros.log	Permissions are updated.	
A16.	Type ls -al	You see the following directories created: sdd-java-api-client-1.7.2 sdd_macros.log sdd-sas-macro-1.4.1	

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#	Activity	Expected Results	Actual Results
A17.	Type cd /sso/biconfig/94m3/Lev1/SDDApp/WorkspaceServer Note: For single SAS server installs, this application name will be SASApp.	Navigate to that directory.	
A18.	Type vi sasv9_usermods.cfg	File is opened for edit.	
A19.	After the comment block, add the following lines: -insert sasautos "/sso/sfw/sas/94m3/SASFoundation/9.4/sddapi/sdd-sas-macro-1.4.1/sasmacros" -JREOPTIONS (- Dsas.app.class.dirs=/sso/sfw/sas/94m3/SASFoundation/9.4/sddapi/sdd-java-api-client-1.7.2/lib:/sso/sfw/sas/94m3/SASFoundation/9.4/sddapi/sdd-sas-macro-1.4.1/lib - Dsession.strategy.classname=com.sas.hls.client.impl.trusted.TrustedContextSessionStrategyImpl -Dsas.drugdev.macros.trusted=true - Dlog4j.configuration=file:/sso/sfw/sas/94m3/SASFoundation/9.4/sddapi/sdd-sas-macro-1.4.1/conf/linux/log4j.properties) /* this prevents a classpath not set warning from javaobj */ -SET CLASSPATH !CLASSPATH Note: Copy and paste this text from the sasv9_usermods.txt file in our staging area.	File is modified.	

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#	Activity	Expected Results	Actual Results
A20.	Hit Esc and type :x to save the file. <i>Note:</i> The log4j.properties file is configurable and should be modified to point to the correct path to the sdd_macros.log file.	File is saved with changes made.	
A21.	Type more sasv9_usermods.cfg	Verify that changes have been saved.	
A22.	Start the Object Spawner by typing /sso/biconfig/94m3/Lev1/ObjectSpawner/ObjectSpawner.sh start	Object Spawner is started and system displays: Spawner is started (pid <i>nnnnn</i>)...	
A23.	Type ps -ef grep sasadmin	The following process should be running: /bin/sh -p /sso/biconfig/94m3/Lev1/ObjectSpawner/ObjectSpawner.sh start2_tag	
A24.	Hit Ctrl-D to stop the script command.	System indicates script stopped running.	
A25.	Type exit	The sasadmin userid is logged off the SAS server.	
A26.	Repeat steps A1 – A23 to deploy the SDD SAS Macros to any additional SAS processing servers.	Steps repeated as necessary.	

Signature below indicates completion of Checklist A, items A1 – A26, above.

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