



SAS Drug Development 3.3_03

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SAS Drug Development 3.3_03, Installation Instructions

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Patch Instructions

Note: This document is intended to assist an administrator in installing the patch of SAS Drug Development (SDD) 3.3_03 from version 3.3, 3.3_01 or 3.3_02.

Backup of SDD Patch- Related Files

Checklist 1: "Backup of SDD Patch-Related Files"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
1.	Log on to the web server as a user that can perform administrative functions on that machine.	Admin user is logged on to the web server.		
2.	Stop the web server process (es) that is running SDD. <i>Note:</i> In a clustered environment, all web server process (es) that are running SDD should be stopped.	The process (es) is stopped.		
3.	Change the directory to the location of the SDD configuration files. Example: cd /apps/bea/user_projects/domains/sdddomain/sdd/conf	Directory is changed.		
4.	Back up the following file: sdd-portal.properties Example: cp sdd-portal.properties sdd-portal.properties.sdd33	File is copied as a backup.		
5.	Change the directory to the location of the SDD applications directory. Example: cd /apps/bea/user_projects/domains/sdddomain/applications	Directory is changed.		

Checklist 1: "Backup of SDD Patch-Related Files"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
6.	Back up the following file: sas-sdd-p21.ear Example: cp sas-sdd-p21.ear sas-sdd.p21.ear.sdd33	File is copied as a backup.		
7.	Log on to the sas server as a user that can perform administrative functions on that machine.	Admin user is logged on to the sas server.		
8.	Stop the ResourceSupervisor process for SDD on the sas server. Example: /apps/ResourceSupervisor1/resourceSupervisor.sh stop	The process is stopped.		
9.	Stop the Object Spawner process for SDD on the sas server. Example: /apps/sas_servers/Lev1/SDD/ObjectSpawner/ObjectSpawner.sh stop	The process is stopped.		
10.	Change the directory to the location of the sas catalogs for SDD. Example: cd /apps/sas9.1.3/nls/en/sascfg	Directory is changed.		

Checklist 1: "Backup of SDD Patch-Related Files"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
11.	Back up the following catalogs: gbbdata.sas7bcat ibutils.sas7bcat sddtrans.sas7bcat Example: cp gbbdata.sas7bcat gbbdata.sas7bcat.sdd33 cp ibutils.sas7bcat ibutils.sas7bcat.sdd33 cp sddtrans.sas7bcat sddtrans.sas7bcat.sdd33 <i>Note:</i> In a clustered environment, these steps must be performed on all sas servers in the cluster.	Catalogs are copied as backups.		

Note: In a clustered environment, these steps must be performed on all web servers in the cluster.

Copy the Patch Distribution

Checklist 2: "Copy the Patch Distribution"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
1.	Copy the file sas-sdd-3.3_03.zip to a temp directory on the web server in which SDD runs.	The .zip file is copied.		
2.	Extract the contents of sas-sdd-3.3_03.zip .	These files and directories are extracted from the .zip file: sas-commandfacility.jar VERSION.txt cimport.sas cimport.sh sas-sdd-p21.ear sdd-portal.properties sdd.xpt		
3.	If you have the Remote API component currently installed within SDD and want to redeploy this with the SDD 3.3_03 update, copy the SASDrugDevRemoteApiServer.tar to the same temp directory on the web server that the sas-sdd-3.3_03.zip was just copied to. Otherwise, skip to step 8.	The SASDrugDevRemoteApiServer.tar is copied.		
4.	Extract SASDrugDevRemoteApiServer.tar to a directory called SASDrugDevRemoteApiServer .	TAR file is extracted.		
5.	Change the directory to SASDrugDevRemoteApiServer . Example: cd SASDrugDevRemoteApiServer	Directory is changed.		
6.	Type sh ./install.sh <path to 3.3_03 sas-sdd-p21.ear in temp dir> Note: The file path <i>must</i> include the sas-sdd-p21.ear file.	The sas-sdd-p21.ear file in the SDD 3.3_03 temp directory is updated.		

Checklist 2: "Copy the Patch Distribution"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
7.	Change the directory to the location of the sas-sdd-p21.ear that was just updated.	Directory is changed.		
8.	Copy sas-sdd-p21.ear to the applications directory within the WebLogic domain that SDD is installed to. Example: cp sas-sdd-p21.ear /apps/bea/user_projects/domains/sdddomain/applications	The sas-sdd-p21.ear file is copied to the applications directory.		
9.	Ensure that the permissions on that file match those of the other files in that directory.	The permissions are verified.		
10.	Copy VERSION.txt to the sdd directory within the WebLogic domain that SDD is installed to. Example: cp VERSION.txt /apps/bea/user_projects/domains/sdddomain/sdd <i>Note:</i> In a clustered environment, this step must be performed on all web servers in the cluster.	VERSION.txt is copied to the sdd directory.		
11.	Copy the sdd-portal.properties file to the sdd/conf directory within the WebLogic domain where SDD is installed. Example: cp sdd-portal.properties /apps/bea/user_projects/domains/sdddomain/sdd/conf	The sdd-portal.properties file is copied to the sdd/conf directory.		
12.	Change the directory to where the sdd-portal.properties file was just copied to (the destination location). Example: cd /apps/bea/user_projects/domains/sdddomain/sdd/conf	Directory is changed.		
13.	Edit the sdd-portal.properties file. Example: vi sdd-portal.properties	File is opened in vi editor.		

Checklist 2: "Copy the Patch Distribution"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
14.	<p>Modify the property so that the token @APP_SHARE@ is replaced with the <i>actual value</i> of the sddshared directory:</p> <p>Example: ibiomatics.sddshared.temp.dir.root=@APP_SHARE@</p> <p>change this to:</p> <p>ibiomatics.sddshared.temp.dir.root=/sddshared1/sdd_shared</p> <p><i>NOTE: The above is just an example of what the modified property will look like. View the backup copy of this file to see what the true value of this property should be.</i></p>	The value of the property is modified.		
15.	<p>Save the changes made to the sdd-portal.properties file.</p> <p><i>Note:</i> In a clustered environment, these steps must be performed on all web servers in the cluster.</p>	The file is saved with changes made.		
16.	<p>Transfer the following files from the temp directory on the web server to a temp directory on the sas server:</p> <p>cimport.sas cimport.sh sdd.xpt</p>	The files are transferred.		
17.	<p>On the sas server, change to the location where the 3 files were transferred to.</p>	The directory is changed.		
18.	<p>Edit the cimport.sh file.</p> <p>Example: vi cimport.sh</p>	File is opened in vi editor.		

Checklist 2: "Copy the Patch Distribution"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
19.	<p>Modify the property so that the token @SAS_ROOT@ is replaced with what the <i>actual value</i> of !SASROOT is (root directory of SAS).</p> <p>Example: @SAS_ROOT@/sas cimport.sas</p> <p>change this to:</p> <p>/apps/sas9.1.3/sas cimport.sas</p> <p><i>NOTE: The above is just an example of what the modified property will look like.</i></p>	The value of the property is modified.		
20.	Save the changes made to the cimport.sh file.	The file is saved with changes made.		
21.	Ensure that the permissions on the cimport.sh and cimport.sas are such that they can be executed.	The permissions are verified.		
22.	<p>Execute the script cimport.sh.</p> <p>Example: sh ./cimport.sh</p>	The system displays the log of the script. The log should indicate that the catalogs are updated.		
23.	<p>Change the directory to the location of the sas catalogs for SDD.</p> <p>Example: cd /apps/sas9.1.3/nls/en/sascfg</p>	Directory is changed.		
24.	<p>Change the permissions on the gdbdata.sas7bcat, ibutils.sas7bcat and sddtrans.sas7bcat catalogs so that it matches those of the other files in that directory.</p> <p>Example: chmod 644 gdbdata.sas7bcat ibutils.sas7bcat sddtrans.sas7bcat chown sasadmin:sasadmin gdbdata.sas7bcat ibutils.sas7bcat sddtrans.sas7bcat</p>	The permissions are modified.		

Checklist 2: "Copy the Patch Distribution"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
25.	<p>Start the Object Spawner process for SDD on the sas server.</p> <p>Example: <code>/apps/sas_servers/Lev1/SDD/ObjectSpawner/ObjectSpawne r.sh start</code></p> <p>Note: In a clustered environment, steps 16-25 must be performed on all sas servers in the cluster.</p>	The Object Spawner process is started.		
26.	<p>Start the ResourceSupervisor process for SDD on the sas server.</p> <p>Example: <code>/apps/ResourceSupervisor1/resourceSupervisor.sh start</code></p>	The process is started.		
27.	<p>Return to the web server and start up the SDD web server process (es).</p> <p>Note: In a clustered environment, all web server process (es) that are running SDD should be started.</p>	Web server process is started.		
28.	<p>You must redeploy the EAR file to pick up the new SDD 3.3_03 codebase. Open an Internet Explorer window and go to <code>https://<webservername.domain.com>/console</code></p>	The login page displays for the BEA console.		
29.	Type in the userid and password to access the BEA console application.	Web browser displays the Welcome to BEA WebLogic Server Home page.		
30.	In the left panel, select the <i>SDD domain</i> > Deployments > Applications (where <i>SDD domain</i> is the name of your WebLogic domain)	The SDD domain> Applications page displays.		
31.	Select the sas-sdd-p21 application.	The SDD domain> Applications> sas-sdd-p21 page displays.		
32.	Select the Deploy tab.	The Deploy tab displays.		

Checklist 2: “Copy the Patch Distribution”		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
33.	Scroll to the bottom of the right panel and select the Redeploy Application button.	The Module Status column displays “Active” and the Status of Last Action column displays “In Progress (<i>n</i> seconds)” for all of the modules. The page refreshes frequently for several minutes and eventually all the modules display “Active” in the Module Status column and “Success” in the Status of Last Action column. This means all the modules have been deployed.		
34.	Close the console window (web browser) by clicking on the x in the upper right corner of the window.	The console window closes.		
35.	Stop the web server process (es) that is running SDD. <i>Note:</i> In a clustered environment, all web server process (es) that are running SDD should be stopped.	The process (es) is stopped.		
36.	Start up the SDD web server process (es). <i>Note:</i> In a clustered environment, all web server process (es) that are running SDD should be started.	Web server process (es) is started.		

Proxy Support for Command Facility

Note: You should only run through the steps for Checklist 3 *if* you are connecting to SAS Drug Development through a proxy server and already have the Command Facility installed from SDD 3.3.

Checklist 3: “Proxy Support for Command Facility”		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
1.	Extract the sas-commandfacility.jar file from the sas-sdd-3.3_03.zip file to a temp directory on your local PC.	The file is extracted from the .zip file.		
2.	Copy the sas-commandfacility.jar into the existing Command Facility installation directory, replacing the existing jar file. <i>Note:</i> An example of the path to this directory is c:\Program Files\SAS\SAS 9.1\sdd\sasmisc	The file is copied.		
3.	Open up the SASV9.cfg file in your SAS installation on your local PC. <i>Note:</i> An example of the path to this file is c:\Program Files\SAS\SAS 9.1\nls\en	The file is opened for edit.		
4.	Add the following text to the end of the –JREOPTIONS line, before the “)”, substituting the values in italics: -Dhttp.proxyHost= <i>hostname or IP address of your proxy</i> -Dhttp.proxyPort= <i>http port for your proxy server</i> Save the file.	File is saved.		
5.	Start up an instance of SAS on your local PC.	SAS is started on your local PC.		

Checklist 3: "Proxy Support for Command Facility"		Corresponding Document: <i>None</i>		
#	Activity	Expected Results	Actual Results	Completed Date/Initial
6.	<p>Enter the following code into the Program Editor and then Submit it, substituting with a valid URL and credentials:</p> <pre> options mprint; %swd_start(url=https://webservername.domain.com/webdav/, user=username, password=xxxx, requireValidCert=Y, enablePrompt=N, resultslog=WORK, debugLog=WORK, debugLevel=ALL); /* List the contents of the root folder in SDD */ %swd_listobjects("/SDD"); proc print; title "List of Objects in /SDD"; run; %swd_stop; </pre>	<p>No errors display in the SAS log and a listing of the objects in /SDD displays in the SAS output window.</p>		