

Adding new SAS/ACCESS interface to Amazon Redshift or any other ACCESS interface module from new SAS order on existing SAS installation for Linux

The following are the steps you need to do for Add-On of SAS/ACCESS interface to Amazon Redshift or any other ACCESS interface:

- 1) Please do a full, complete & recoverable backup or snapshot of the existing SAS server in case of any error or warning you need to revert it back using that backup or snapshot.
- 2) Need to run **ViewRegistry** Report by running following command:
`/opt/sas/SASHome/SASPrivateJavaRuntimeEnvironment/9.4/jre/bin/java -jar sas.tools.viewregistry.jar`
Note: Backup of any previous deployment files
- 3) Backups of previous SAS response files from sas home directory (/home/sas)
Note: SAS response file name is sdwresponse.properties
- 4) Backups of this directory (/opt/sas/SASHome/InstallMisc/InstallLogs) files
 - a. DeploymentRegistry.txt
 - b. DeploymentRegistry.html
 - c. DeploymentSummary.html
- 5) Run new SAS Software Depot checker utility if all looks good move to next step
- 6) To run these code strings:
 - a. Proc setinit; run;
 - b. Proc options option=work; run;**Note:** Please verify your existing SAS Tech Site number with the new SAS Software Depot and also verify SASWORK temporary directory location (in our case the SASWORK directory is **/saswrk**)
- 7) Please check server disk space using this command:
`df -h`
Note: Please ensure you've enough disk space to add-on new SAS Access interface to existing SASHome directory)
- 8) Stop all SAS services in correct order using this command `./sas.servers stop` & reboot/restart SAS server itself
- 9) If you've enabled PAM on existing SAS environment then you need to copy `/etc/pam.d/sasauth` file to `/etc/pam.d/sasauth_Original`

Note: If PAM is not enabled in existing env. you can skip point#9

10) When server came back from reboot/restart, please check status of SAS services using this command: `./sas.servers status` & make sure all SAS services stopped or you can run this command to check any active SAS jobs on the server:

ps -ef | grep -i sas

Note: If there is any active SAS jobs then you need to kill it manually using this command:
`kill -9 process_PID_ID_of_SAS_Process`

11) Need to run this command to deploy actual Add-On work from new SAS Software Depot order:

`./setup.sh -record -deploy -nosasupdate -templocation /saswrk &`

- a. Run the (new) SAS Deployment Wizard (SDW)
- b. Select to install only SAS Foundation and Related software.
- c. Select only 'SAS Foundation' to install.
- d. At the screen where all the Foundation SAS components are listed, only select Base (default) and SAS Access interface to Amazon Redshift or SQL Server or any other access module.
- e. Then proceed with the installation....

12) Finally you need to run `/opt/sas/SASHome/SASFoundation/9.4/utilities/bin/setuid.sh` script using root id, when you've done with the SAS Add-on work on the Linux server.