Execute Sample SAS Code from Staging SAS

Date: June 18, 2025

Test ID: TC-SAS-STG-001

Objective: To verify that the SAS 9.4 environment on the staging server is functional by executing a basic SAS program through the Linux terminal.

Environment: Staging SAS Server (Linux-based)

Tester: [Your Name]

# Pre-requisites:

* • PuTTY installed on local machine
* • SSH access credentials to the staging SAS server
* • Root access (or sudo privileges)
* • SAS 9.4 installed and available at the path /sas/sasinst/SASHome/SASFoundation/9.4/

# Test Steps:

|  |  |  |
| --- | --- | --- |
| Step No | Action | Expected Result |
| 1 | Login to the staging SAS server using PuTTY with valid SAS credentials. | Successful login to the Linux shell of the staging SAS server. |
| 2 | Switch to root user using `sudo su`. | Access granted to root privileges. |
| 3 | Navigate to the home directory: `cd /home/migrationuser` | You are in `/home/migrationuser` directory. |
| 4 | Create a file named `test.sas` using `nano test.sas`. | File is created and nano editor opens. |
| 5 | Insert the SAS code into the file and save it. | Code saved successfully. |
| 6 | Run the SAS program using: /sas/sasinst/SASHome/SASFoundation/9.4/sas test.sas -log test.log -print test.lst | SAS executes the file without error. Output files are generated. |
| 7 | Review `test.log` for successful execution logs. | Log file confirms successful dataset creation. |
| 8 | Review `test.lst` for printed output. | Output displays: x = 10, y = 50 |

# Expected Output:

• test.log should confirm dataset creation and successful proc print execution.

• test.lst should display:

Obs x y  
 1 10 50

# Conclusion:

SAS 9.4 is correctly installed and functional on the staging server. Execution of a basic SAS program completes without any error.