

► Technical Paper



Updating Account Passwords in SAS® Fraud Management 5



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Overview

Service accounts are created for use by specific components of SAS® Fraud Management. This document details the steps for changing the passwords that were assigned to accounts in SAS Fraud Management 5.

The password for each account might need to be changed in several locations, including any specified databases, the server's operating system, and SAS. The steps for changing a password in a database and the operating system depend on the installed environment, and steps for these changes are beyond the scope of this document. Steps for changing passwords in SAS® using SAS® Deployment Manager and SAS® Management Console are included in this document.

Account Requirements

Table 1.1 contains an overview of the accounts and a list of their components. The actual account names in a particular SAS Fraud Management implementation might be different from those that are shown in the table.

Table 1.1: User IDs and Descriptions

User	Short Description	BATCH HOST	RULES HOST	ODE HOST	MEH HOST	SOR HOST	TDR HOST	METADATA HOST	MID-TIER HOST
sascfg	The user account to install and configure SAS software. Also used for SAS® Metadata Repository backups.	✓	✓	✓				✓	✓
sasomr	System of Record (SOR) database access credentials for the SAS Metadata Repository administrator process.	✓				✓		✓	
sassrv	The external account for the SAS® Object Spawner and for running the pooled workspace server and stored process server.	✓							
sharedsvc	The SAS Shared Services database credentials that are used to access the SAS® Web Infrastructure Platform database.					✓			

User	Short Description	BATCH HOST	RULES HOST	ODE HOST	MEH HOST	SOR HOST	TDR HOST	METADATA HOST	MID-TIER HOST
sassorspl	Database credentials for system of record database special batch jobs.	✓				✓			
sassorbch	The database for SOR database batch jobs.	✓				✓			
sassorapp	SOR database access credentials for the SAS Fraud Management middle tier.					✓			✓
sastdrspl	Database credentials for special batch jobs of the transaction data repository (TDR) database.	✓					✓		
satdrbch	Database credentials for batch jobs of the TDR database.	✓					✓		
sastdrapp	TDR database access credentials for the SAS Fraud Management middle tier.						✓		✓
sasmehspl	Database credentials for special batch jobs of the Multi-Entity History (MEH) database.	✓		✓	✓				
sasmehbch	Database credentials for batch jobs of the MEH database.	✓		✓	✓				
sasose	User credentials for the OnDemand Scoring Engine.			✓	✓				

User	Short Description	BATCH HOST	RULES HOST	ODE HOST	MEH HOST	SOR HOST	TDR HOST	METADATA HOST	MID-TIER HOST
sasosesor	SOR database credentials for the OnDemand Decision Engine.			✓		✓			
sasosetdr	TDR database credentials for the OnDemand Decision Engine.			✓			✓		
satdrgrp	Database credentials for batch jobs of the TDR database.	✓					✓		

You need to complete the steps below to change the passwords of the user IDs for their corresponding databases that are listed in Table 1.1.

SAS® Management Console

Use the following steps to change the SAS Fraud Management users' passwords in the SAS Management Console Before you change the passwords in the database. You need to complete these steps only once per environment.

1. Log on to the SAS Metadata Server as the SAS configuration user (**sascfg** from Table 1.1).
2. Navigate to the SAS Management Console directory in the *SASHOME* directory, as shown below:

SASHOME/SASManagementConsole/9.4

3. If necessary, assign and export the DISPLAY environment variable for X windows:

Example: `export DISPLAY=working-PC-IP-address:0.0`

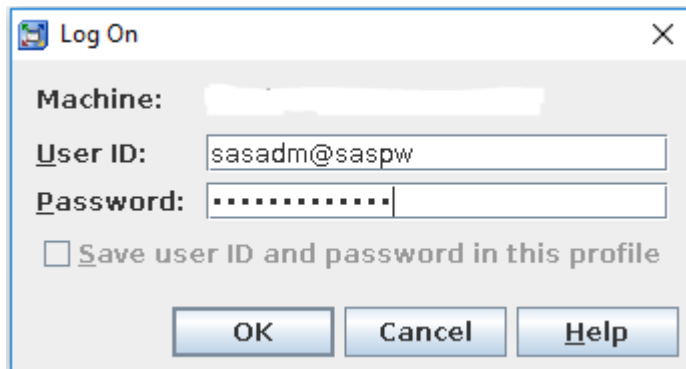
4. Submit the following command from the current directory to start the SAS Management Console:

`./sasmc`

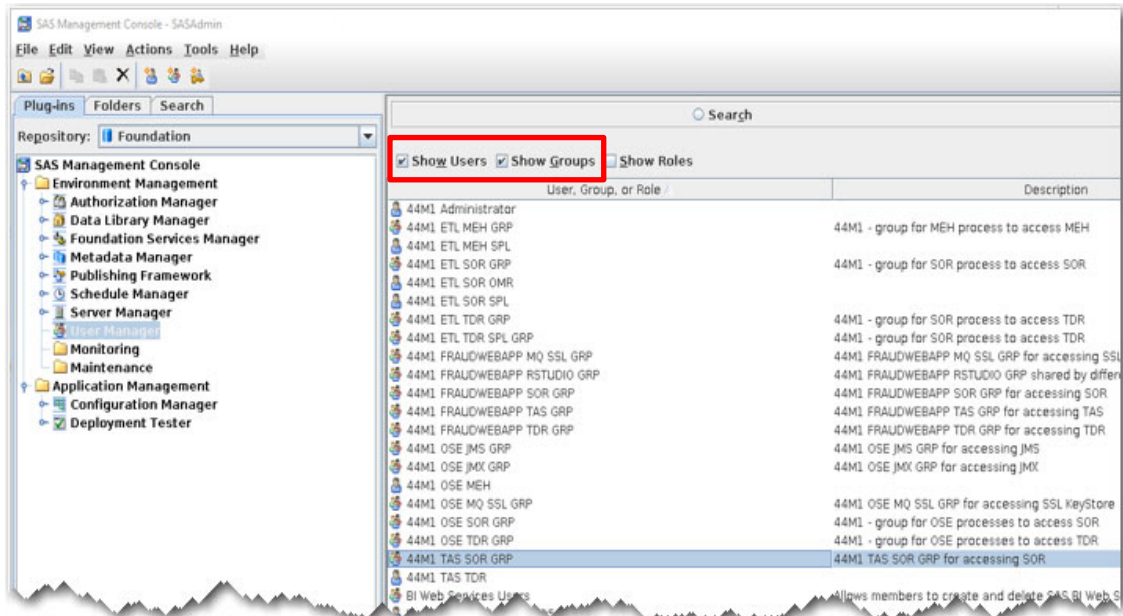
5. Select the correct connection profile to connect to your metadata server or create a new one with the appropriate details



6. Enter the user credentials of the SAS Admin user (**sasadm@saspw**, by default).

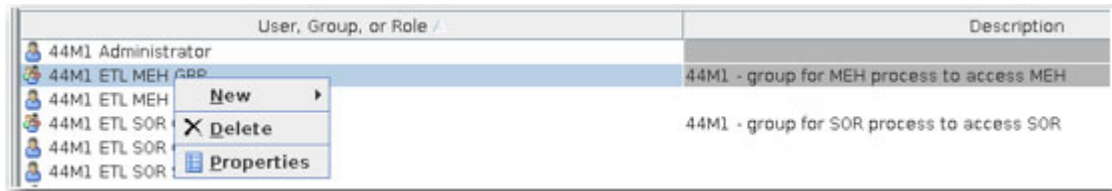


7. Navigate to the User Manager in the left pane and make sure that the **Show Users** and **Show Groups** check boxes are selected, as shown below:



The list of users (shown above) contains a set of users with names like *implementation-name* ETL, *implementation-name* FRAUDWEBAPP, *implementation-name* OSE, and *implementation-name* TAS. In this example, *implementation-name* is replaced with 44M1, but this will be different in other environments.

8. Right-click the first name in the list and select **Properties**.

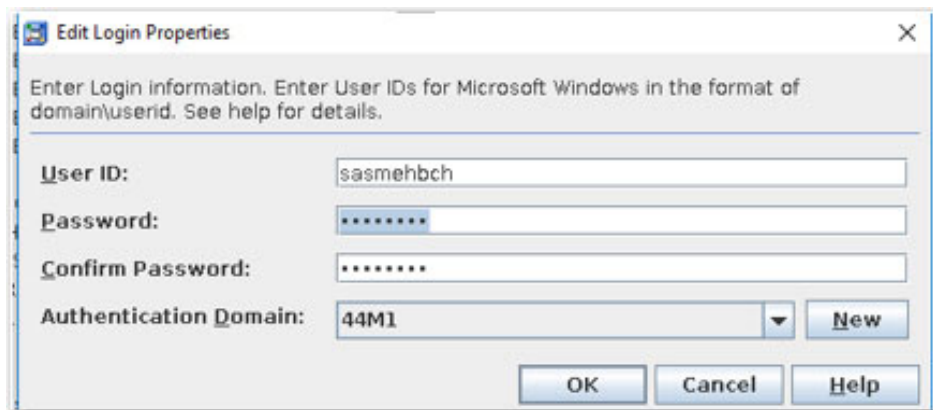


9. Navigate to the **Accounts** tab in the new window that is displayed. Then, select the user ID and click the **Edit** button.



This action opens the Edit Login Properties window.

10. Enter the new password value in the **Password** and **Confirm Password** fields in the Edit Login Properties window. Then click **OK**.



11. Click **OK** in the *Name Properties* window (from step 9) to return to the User Manager. Repeat steps 8-10 for all of the Accounts below:

- *implementation-name* ETL MEH GRP
- *implementation-name* ETL MEH SPL
- *implementation-name* ETL SOR GRP
- *implementation-name* ETL SOR OMR
- *implementation-name* ETL SOR SPL
- *implementation-name* ETL TDR GRP
- *implementation-name* ETL TDR SPL GRP
- *implementation-name* OSE MEH
- *implementation-name* OSE SOR GRP
- *implementation-name* TAS SOR GRP
- *implementation-name* TAS TDR

12. Exit out of SAS Management Console.

SAS® Deployment Manager

You must use SAS Deployment Manager to update the user accounts that are associated with the SAS middle tier and the SAS Fraud Management web application. Use the following steps to update the passwords of the **sassorapp**, **sastdrapp**, and **sharedsvc** users. You need to perform these steps on each middle-tier server in the environment.

1. Log on to the SAS middle-tier server as the SAS configuration user (**sascfg** from Table 1.1).
2. Submit the following command to stop all SAS middle-tier processes that run this server:

```
SAS-configuration-directory/Levl/sas.servers stop
```

3. Navigate to the SAS Deployment Manager directory in the *SASHOME* directory:

```
SASHOME/SASDeploymentManager/9.4
```

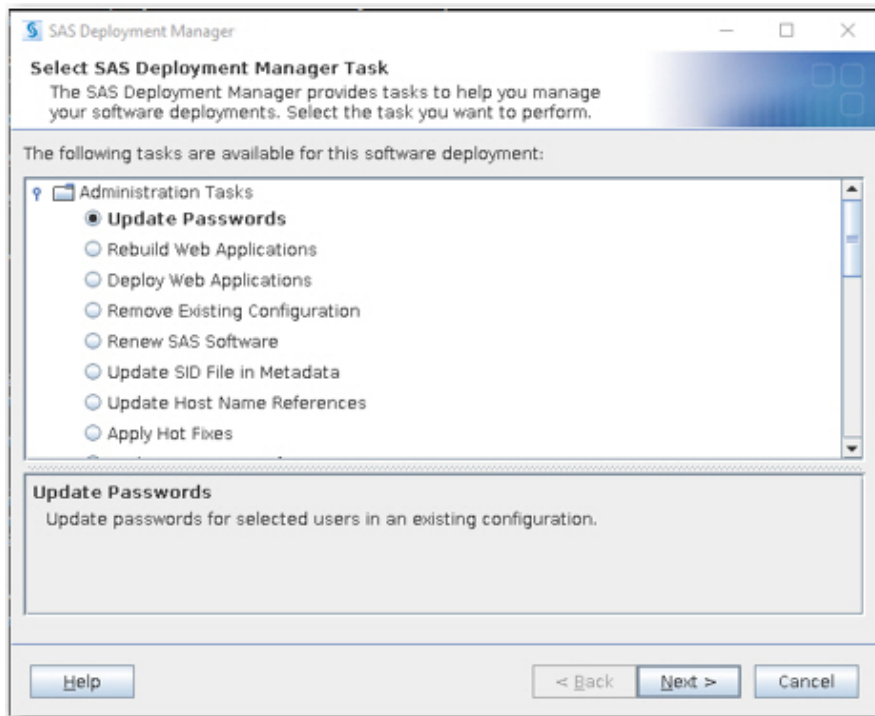
4. If necessary, assign and export the DISPLAY environment variable for X windows:

Example: `export DISPLAY=working-PC-IP-address:0.0`

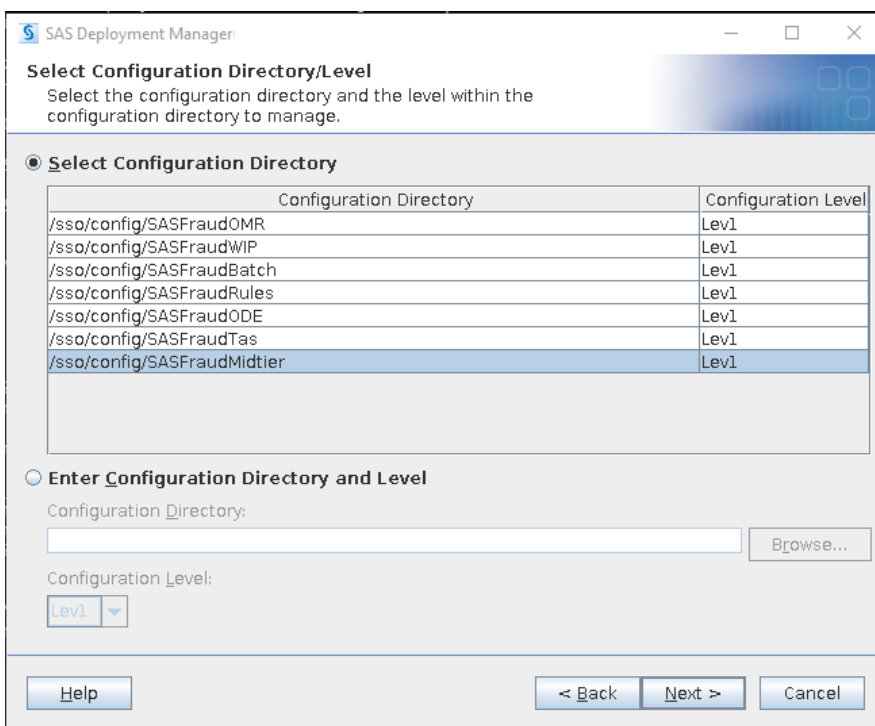
5. Launch SAS Deployment Manager by submitting this command:

```
./sasdm.sh
```

6. On the **Select SAS Deployment Manager Task** page select **Update Passwords** and click **Next**.



7. Select the configuration directory of your SAS middle-tier processes (if multiple selections are available). Then click **Next**.



8. Enter the SAS administrator user credentials. Then click **Next**.

The screenshot shows the 'Specify Connection Information' dialog box in the SAS Deployment Manager. The title bar reads 'SAS Deployment Manager'. The main heading is 'Specify Connection Information' with the subtitle 'Specify connection information to the SAS Metadata Server.' The form contains the following fields: 'Host Name:' (empty), 'Port:' (8561), 'User ID:' (sasadm@saspw), and 'Password:' (masked with dots). At the bottom, there are three buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

9. Enter the current credentials for the SAS Shared Services database user (**sharedsvc**, from Table 1.1). Then click **Next**.

The screenshot shows the 'SAS Web Infrastructure Database JDBC Properties' dialog box in the SAS Deployment Manager. The title bar reads 'SAS Deployment Manager'. The main heading is 'SAS Web Infrastructure Database JDBC Properties' with the subtitle 'Specify the connection information for the SAS Web Infrastructure Database JDBC connection.' The form contains the following fields: 'Host Name:' (dbc), 'User ID:' (sharedsvc), and 'Password:' (masked with dots). At the bottom, there are three buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

10. Select the **sassorapp**, **sastdrapp**, and **sharedsvc** user IDs from the list. Then click **Next**.

The screenshot shows the 'Select User IDs' dialog box in the SAS Deployment Manager. The title bar reads 'SAS Deployment Manager'. The main heading is 'Select User IDs' with the instruction 'Select the user IDs for which the passwords should be updated.' Below this is a table with two columns: 'User ID' and 'Authentication Domain'. The table contains the following rows:

User ID	Authentication Domain
☒ sassorapp	Not Applicable
☒ sastdrapp	Not Applicable
☐ midssl_44M1	Not Applicable
☐ midexplr_44M1	Not Applicable
☐ tasdds_44M1	Not Applicable
☐ sastrust@saspw	Not Applicable
☐ sasadm@saspw	Not Applicable
☒ sharedsvc	Not Applicable

Below the table are two buttons: 'Select All' and 'Clear All'. At the bottom of the dialog are three buttons: 'Help', '< Back', and 'Next >', and a 'Cancel' button.

11. Enter the new password value into the **Password** and **Confirm Password** fields for each of the individual user IDs. Click **Next** to advance to the pages for each user ID.

The sassorapp user ID:

The screenshot shows the 'Specify New Password' dialog box in the SAS Deployment Manager. The title bar reads 'SAS Deployment Manager'. The main heading is 'Specify New Password' with the instruction 'Specify the new password for the "sassorapp" user ID.' Below this is a form with three fields: 'User ID:', 'Password:', and 'Confirm Password:'. The 'User ID' field contains the text 'sassorapp'. The 'Password' and 'Confirm Password' fields are masked with asterisks. At the bottom of the dialog are three buttons: 'Help', '< Back', and 'Next >', and a 'Cancel' button.

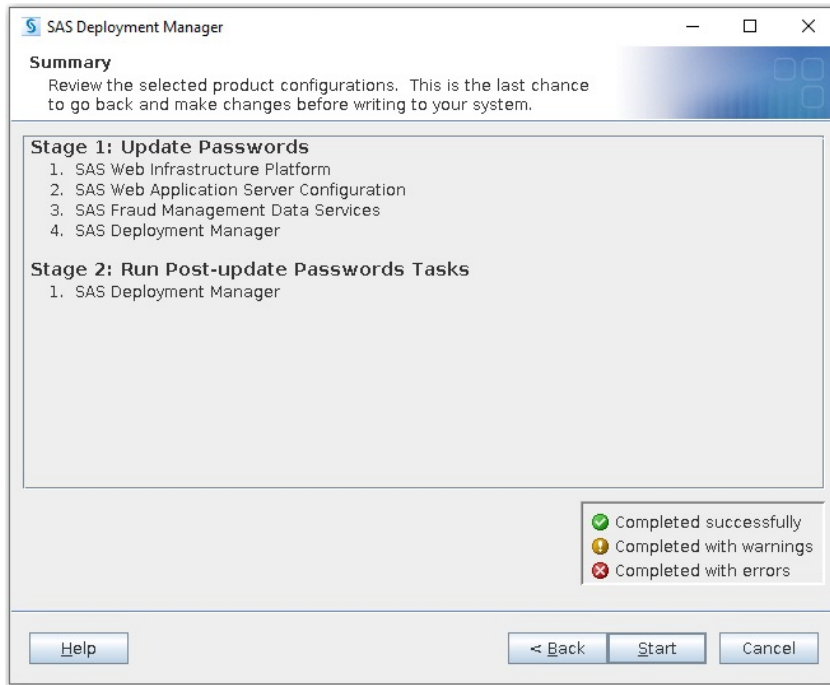
The sasdrrapp user ID:

The screenshot shows a Windows-style dialog box titled "SAS Deployment Manager". Below the title bar, the text "Specify New Password" is displayed, followed by the instruction "Specify the new password for the 'sasdrrapp' user ID." The form contains three input fields: "User ID:" with the text "sasdrrapp" entered, "Password:" with a masked password of seven asterisks, and "Confirm Password:" also with a masked password of seven asterisks. At the bottom of the dialog, there are four buttons: "Help" on the left, and "< Back", "Next >", and "Cancel" on the right.

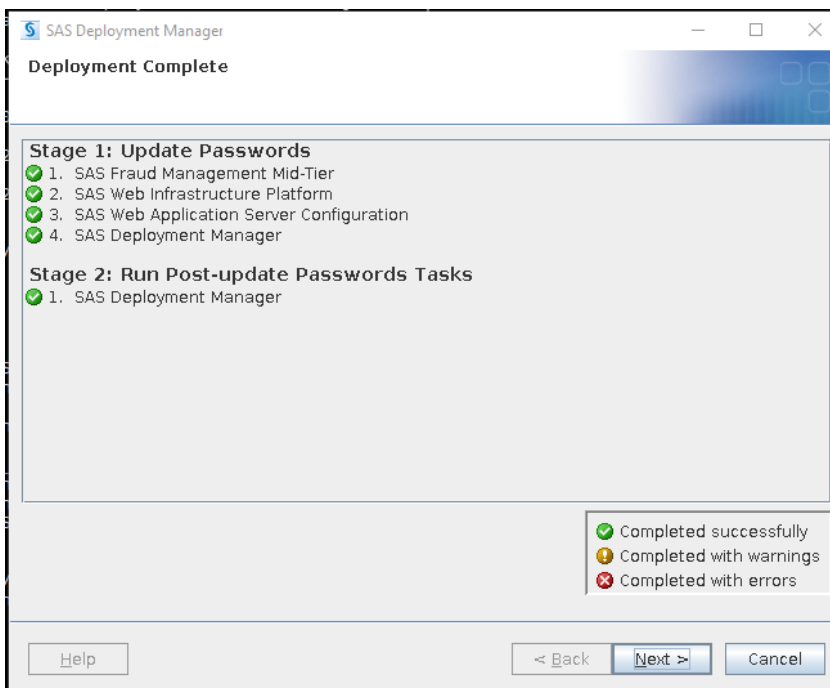
The sharedsvc user ID:

The screenshot shows a Windows-style dialog box titled "SAS Deployment Manager". Below the title bar, the text "Specify New Password" is displayed, followed by the instruction "Specify the new password for the 'sharedsvc' user ID." The form contains three input fields: "User ID:" with the text "sharedsvc" entered, "Password:" with a masked password of seven asterisks, and "Confirm Password:" also with a masked password of seven asterisks. At the bottom of the dialog, there are four buttons: "Help" on the left, and "< Back", "Next >", and "Cancel" on the right.

When you finish entering passwords for the three user IDs shown in the previous images and you click **Next**, the **Summary** page is displayed:



12. Click the **Start** button to start the password change process. The process should complete with all green check marks each stage, as shown below.



13. Click **Next** to advance the page. Then, click **Finish** to close SAS Deployment Manager.

Final Steps

Completing the previous steps changes the application's database passwords so that they are detected upon start-up. As mentioned earlier, you must complete the password-change steps for each of the user IDs for their corresponding databases that are listed in Table 1.1.

After you change the passwords for each database, you can start (or restart) the applications to load the latest database credentials and create new database connections.



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