

Configuring MiSeq Reporter to Work with Samba Shares on a Linux Server

Introduction

This technote details steps to enable the sharing of MiSeq Reporter folders with Samba Shares on Linux. These instructions are for the IT administrators of customers that run MiSeq Reporter software on-instrument.

MiSeq Reporter runs as a localsystem account, and by default does not pass credentials necessary for Samba share access. To enable MiSeq Reporter to write post-analysis results to a remote server requires changes to the Linux server and to the default configuration settings for MiSeq Reporter.

Create a Shared Folder on the Linux Server

On the Linux server, create a shared folder where MiSeq Reporter will write the analysis results.

Verify Accounts on the Linux Server

Make sure that the Linux server has an sbsuser account and a Samba share account. If the accounts do not exist, create them.

1. Enter the string **grep sbuser/etc/passwd** to verify that the Linux server has an sbsuser account.
Make sure that the password for the sbsuser account on the Linux Server is the same password as the sbsuser on the MiSeq. If there is no sbsaccount, create an account with the **useradd** command.
2. Enter the command **pdbedit -Lv | grep sbsuser** to verify that the Linux server has a sbsuser Samba account.
Note: Steps 3 and 4 are not necessary for Illumina Compute Tier 1, Tier 2, Advanced, or Elite customers because those systems come with a Samba shares setup.
3. If there is no sbsuser Samba account, create an account using the **smbpasswd** command.

Change MiSeq Reporter Service to Run as sbsuser

1. From the Windows Start menu on the MiSeq, enter **Run** in the **Search** field and press the **Enter** key.
2. In the Run dialog box, enter **services.msc**.
3. In the Services window, right-click **MiSeq Reporter** and select **Properties**.
4. Select the **Log On** tab.
5. Click **This account** and enter **.\sbsuser**.
6. Enter a password in the Password field. Make sure that the password is the same as the sbsuser password on the Linux server and in MCS software.
7. Click OK and restart the service.

Note: If you update or reinstall the MiSeq Reporter software, repeat the procedure to change MiSeq Reporter credentials settings and the procedure to change MiSeq Reporter service to run as sbsuser.

Set the MiSeqOutput Folder to a Location on the Network in MiSeq Control Software

Set the MiSeqOut folder to the location on the network where you placed the Samba shares folder.

1. Start the MiSeq.
2. On the MiSeq Welcome screen, select **Run Options**.
3. On the Run Options screen, select the **Folder Settings** tab.
4. Enter or browse to the location on the network where you placed the Samba shares folder.

Note: It is important that you enter an absolute UNC-style path.

Example: \\ip address\share\runs\

Do not enter a Windows mount point. Example: Z:\runs\...

5. Click **Save and Return**.