

### Introduction

This guide explains how to create a connection to your Git repository from SAS Studio in SAS Viya.

Git integration in SAS Studio is available on Viya 3.5 in SAS Studio V, and in Viya 4 in SAS Studio. Steps to setup the integration may differ slightly per version.

### Prerequisites

- A Git repository that is accessible from your SaaSNow environment.
- A SSH private and public key pair to connect to your Git environment

### Steps

#### 1. Determine where to store git on the environment

By default, in SAS Studio you can access your home folder on the server (/home/<username>). Your company may have chosen not to show the home folder, but instead show a shared space (/sasdata) in SAS Studio. In that case, a git folder (f.e. /sasdata/git) with special permissions needs to be created in the shared folder, in order to setup connections to git. Ask the SaaSNow servicedesk (<https://www.saasnow.com/servicedesk>) to set up this folder.

#### 2. Allow git connections in SAS Environment Manager

In Viya, some settings need to be adjusted to allow git connections;

As a SAS Administrator, login to SAS Environment Manager and edit the SAS Studio service configuration:

```
sas.studio.showServerFiles      true
sas.studio.allowGit            true
```

When using /sasdata as the root for file system access, the following options should also be set:

```
sas.studio.fileNavigationRoot    CUSTOM
sas.studio.fileNavigationCustomRootPath /sasdata
```

Full reference for configuration values for SAS Studio and the Git integration;

[SAS Help Center: General Configuration Properties](#)

[SAS Help Center: Configuration Properties for Git Integration](#)

#### 3. Upload your SSH keys to the server

Create a folder for your private git connections, f.e. /sasdata/git/<username>. This can be done in SAS Studio or through SFTP. Upload your public and private keys to this folder. Note that the keys need to be in a specific format:

Private key; RSA private key format;

```
-----BEGIN RSA PRIVATE KEY-----
<key>
-----END RSA PRIVATE KEY-----
```

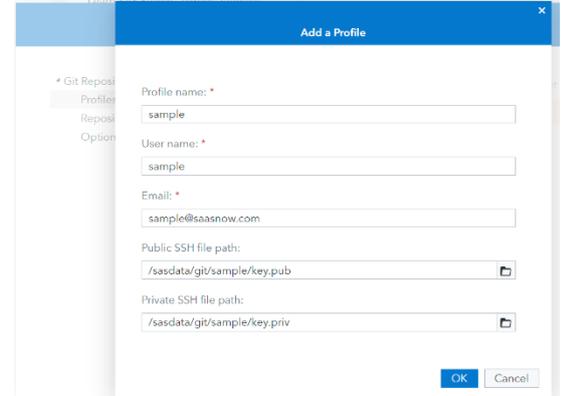
Public key; RSA public key format

```
ssh-rsa <key> <name>
```

#### 4. Create git profile

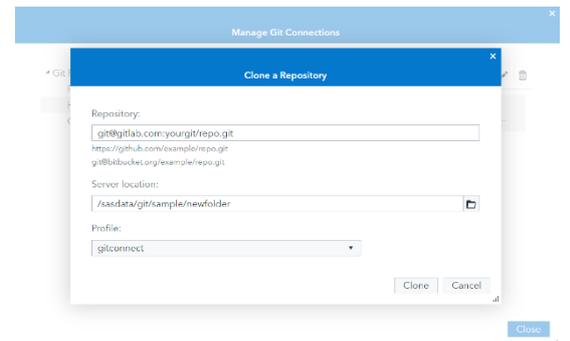
In SAS Studio, you can now create a git profile. Go to Options -> Manage Git connections -> Profiles to set one up.

Navigate to the public and private key file you uploaded and select them in your profile.



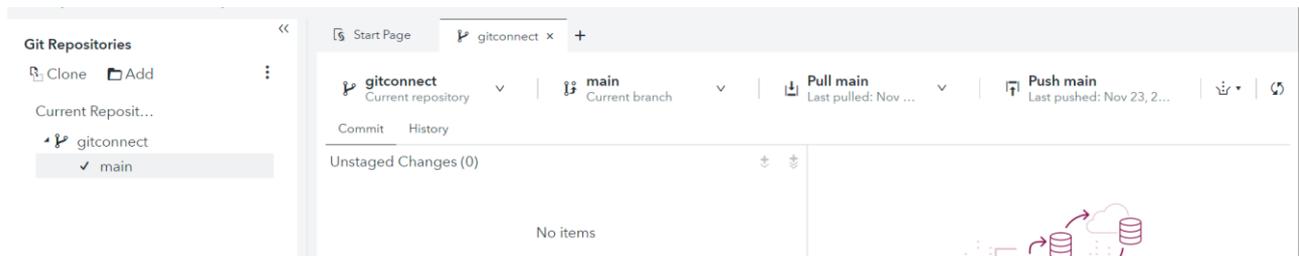
#### 5. Setup git connection

With your profile setup, you can now clone an existing repository in your private git folder. To clone an existing repository, you need to create an empty folder on the server, for example /sasdata/git/<username>/<reponame>



#### 6. Happy gitting

You should now be ready to use the Git integration in SAS Studio!



### Further documentation

Viya 3.5: [SAS Help Center: About Git Integration in SAS Studio](#)

Viya 4: [SAS Help Center: About Git Integration in SAS Studio](#)