SSH key creation for AWS S3 data access

The AGF census data is provided in an AWS S3 directory.

The server name/path is:

s-826d00ca305041cca.server.transfer.eu-west-1.amazonaws.com

For security reasons the authentication on the server will no longer be done by password but by public key authentication. For this purpose, the user will generate a key pair consisting of:

a.) a public key, which is sent to Nielsen and stored in AWS and encrypts the information
b.) an associated private key ("Private Key"), which is stored on the user's computer and deposited in the access tool instead of the password, and which decrypts the information

Please create a key pair and send us the public key by e-mail.
There are various options for this, the following is recommended:

I. Generating SSH keys via the command prompt

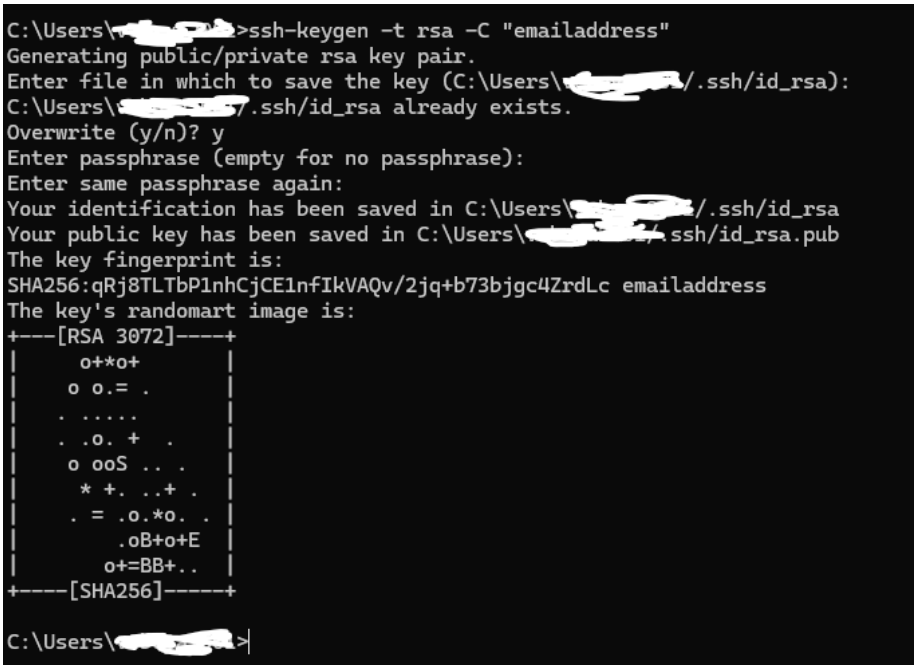
Here are the steps to generate an SSH key from the command prompt in a Windows instance:

1. Open the command prompt
    a. If you want to open the command prompt in Windows 10, you can do this via the Run dialog, for example.
        i. Press the [Windows] and [R] keys to open the Run dialog.
        ii. Enter the command “CMD” in the input field.
        iii. Confirm the entry with [Enter] or click on “Ok”.
    b. Alternatively, you can also open the command prompt via the Windows Start menu.
        i. Open the Start menu and enter “CMD”.
        ii. Click on the “Command Prompt” app in the search results.
2. Type the following command, replacing "<email_address>" with your actual email address:

```
Unset
ssh-keygen -t rsa -C "emailaddress"
```

3. Press Enter.

4. You will be prompted to enter a file path in which to save the key. The default is "C:\Users\<your_username>\.ssh\id_rsa". You can either accept this default by pressing Enter, or specify a different file path.
5. You will then be prompted to enter a passphrase. You can enter a passphrase for added security, or leave it blank by pressing Enter twice.
6. The SSH key pair will be generated, with the private key stored in the specified file (e.g., "id_rsa") and the public key stored in the same file path with a ".pub" extension (e.g., "id_rsa.pub")
7. Please find below a screenshot for your reference:



SSH key should be like below:

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDu4qgN9Avxx6FpwssS7gr1+kV+UO/svdCM29sGJl/fPboGlbRbqeUveMPaXUmd3ieOXA9bQAntuHcXmXQR5ZqRO0N3lOeUPjb6+pfe5bGsgslhncbMucnHW7XbnSVCMDxVrsk9e0k+6g36C3E2VpDBHBqnPvGGXEZa02c59q3mV86s6ok4vQ11ZDVV/aR90LDbAJeojdlDoizagZD8ivB+haX1vtxmWsM4utzl/7GeGbuJp0eZPbtqvZ060l9sJ162d2c7E0BtrWQd7qfvl3kZHk6hENK//lB4/eRPKczwBzNpX/n43GjTRRDuDmStPTRH3kQx04+qm0lgmAtSC47ptumZWaZlIclJoSsl0fYoixv42dg6CK8tKFzLEJfq0riG/d+mkCK26qNcOJG11AqUbb6oSgvF/kVrNERY7Wg9KqHUs2PpFTWD+LYW8DOtPVDTBV8roEz2CCg+jvt+6BerQF6QfqLuGTSfnzWnv+fwdO8kStFx4+TipG1CfAc20/s= emailaddress

8. Please send this public key in an e-mail to the Nielsen support team:

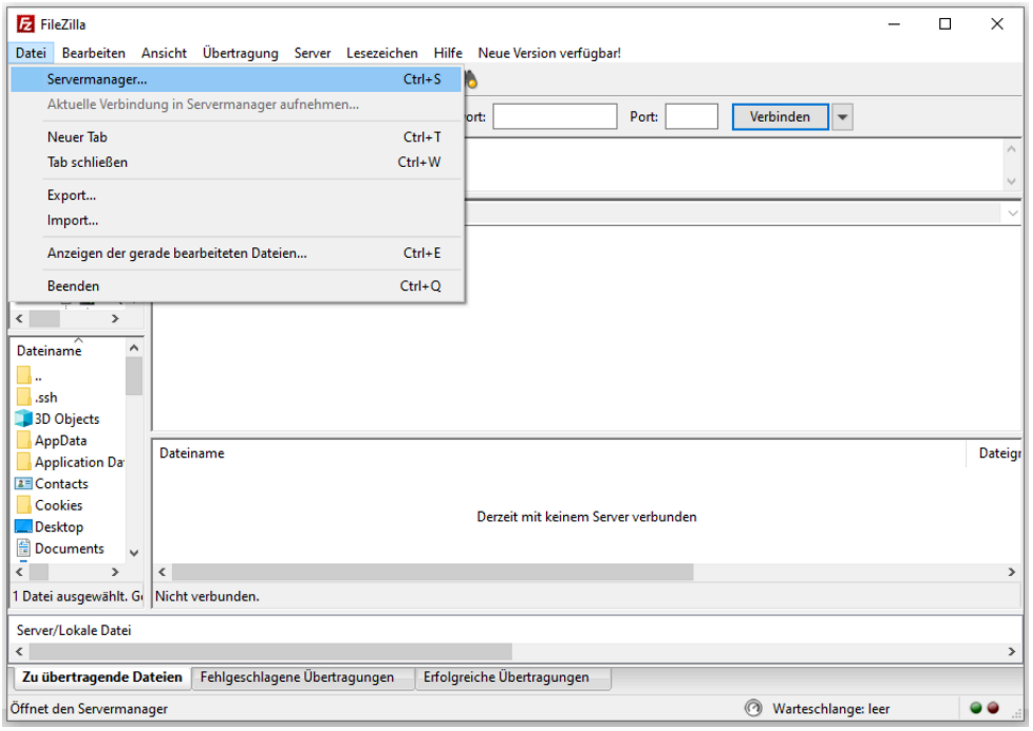
   nielsenagflocalteam@nielsen.com

   WARNING: Please do not send us your private key under any circumstances!

II. Connection to your data in AWS

Once the Nielsen public key has been stored in AWS, you can connect to the new server by specifying the path to your stored associated private key for authentication. As an example, the following is an example of access using the freely available FileZilla tool.

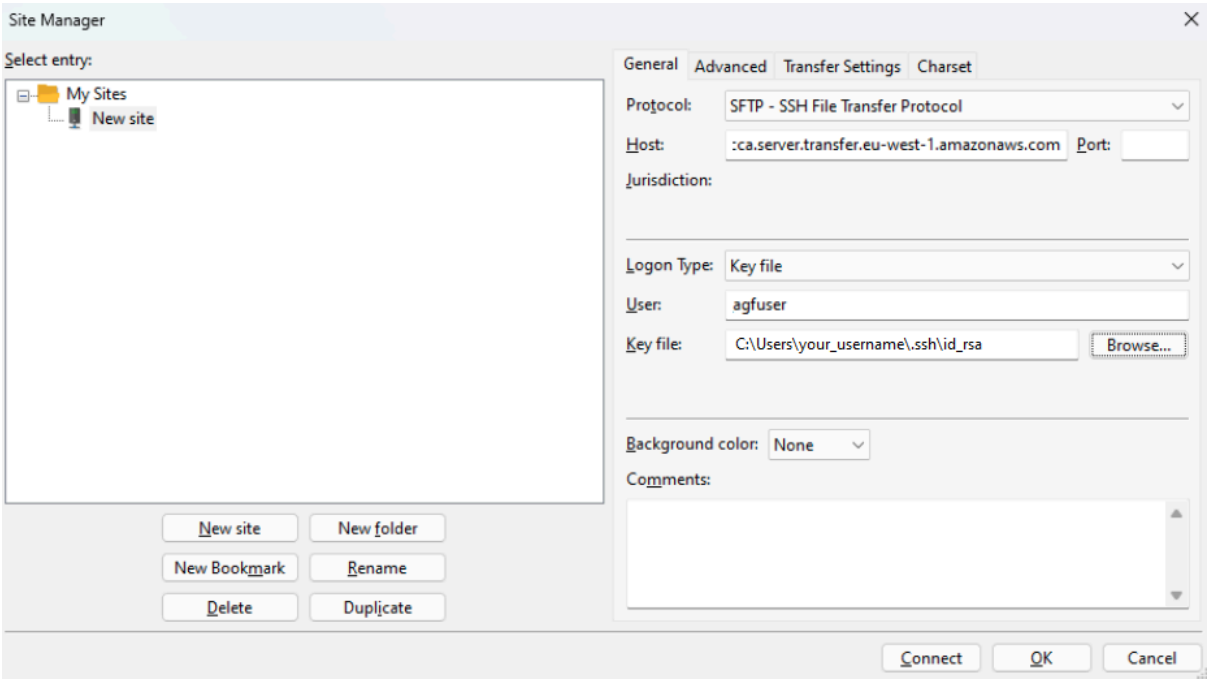
1. Please download and install the FileZilla Client from https://filezilla-project.org/.
2. Open FileZilla and select "Server Manager..." from the "File" menu.



3. Click on the button "New Server" and assign a desired name.
4. For "Protocol", select "SFTP - SSH File Transfer Protocol" from the drop-down menu.
5. For "Server", enter the following path:

   s-826d00ca305041cca.server.transfer.eu-west-1.amazonaws.com

6. Select "Key File" from the drop-down menu for "Connection Type".
7. Under "User", enter your new username that we have sent you by e-mail.
8. Please click on the "Browse" button in the "Key file" line and open the previously created and saved Private Key on your computer. You may have to change the view to “All Files (*.*) to see the file.
9. By clicking on "Connect" you will get access to your unlocked data.


Site Manager
Select entry:
My Sites
New site
General
Advanced
Transfer Settings
Charset
Protocol:
SFTP - SSH File Transfer Protocol
Host:
:ca.server.transfer.eu-west-1.amazonaws.com
Port:
Jurisdiction:
Logon Type:
Key file
User:
agfuser
Key file:
C:\Users\your_username\.ssh\id_rsa
Browse...
Background color:
None
Comments:
New site
New folder
New Bookmark
Rename
Delete
Duplicate
Connect
OK
Cancel