

SSCC Tutorial: Accessing SAS Tutorials

This tutorial is meant to serve as a quick reference to accessing SAS Tutorials from the NUIT Social Sciences Computing Cluster (SSCC). The SAS tutorials and associated SAS programs are stored within the SSCC for version control and centralized access for MSPA students.

Part 1: How to Connect to the SSCC

This tutorial will reference several pages and instructions available from NUIT on required configurations to access the SSCC. The first reference is the quick reference on how to connect to the SSCC (<http://www.it.northwestern.edu/research/sscc/connect.html>).

You may have a SSCC account provided by NU MSPA program or you may request an account from NUIT from <http://www.it.northwestern.edu/research/sscc/form.html>.

The MSPA program uses the dornick cluster. Depending on your access location, you will potentially need to establish a Virtual Private Network (VPN) connection. The following link <http://www.it.northwestern.edu/oncampus/vpn/index.html> will provide directions for different operating systems that include videos. Once you establish your VPN connection for off-campus users and connect per the directions for your computer's OS, proceed to next step.

Link to connect to SSCC with Mac OS X:

<http://www.it.northwestern.edu/research/sscc/connectmac.html>

Link to connect to SSCC with Windows OS:

<http://www.it.northwestern.edu/research/sscc/connect.html>

Part 2: How to Transfer Files To/From the SSCC

(0) While there are multiple ways to access the files from within the SSCC, the recommended method is to transfer the files from the document repository to your local machine. The file transfer is done through FileZilla, which is available from NUIT provided link at: <http://www.it.northwestern.edu/research/sscc/filetransfer.html>.

Filezilla can be downloaded from <https://filezilla-project.org> home page or <https://filezilla-project.org/download.php> for your operating system. Downloading the software will guide you through the installation. Once installed and opened, the FileZilla control window will ask for your **Host**, **Username**, and **Password** in order to make the **Quickconnect** connection.

Since we are using the dornick cluster, the **Host** name is `sftp://dornick.it.northwestern.edu`. Enter *your NetID* in the **Username:** box and *your NetID password* in the **Password:** box. Leave the **Port:** box empty, and *Click Quickconnect* as shown in Figure 1.

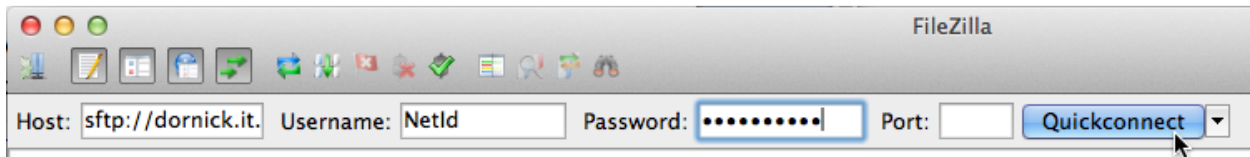


Figure 1: Login Credentials for FileZilla

This will establish your connection with your computer (the Local site) and your SSCC home directory (the Remote site) shown in Figure 2.

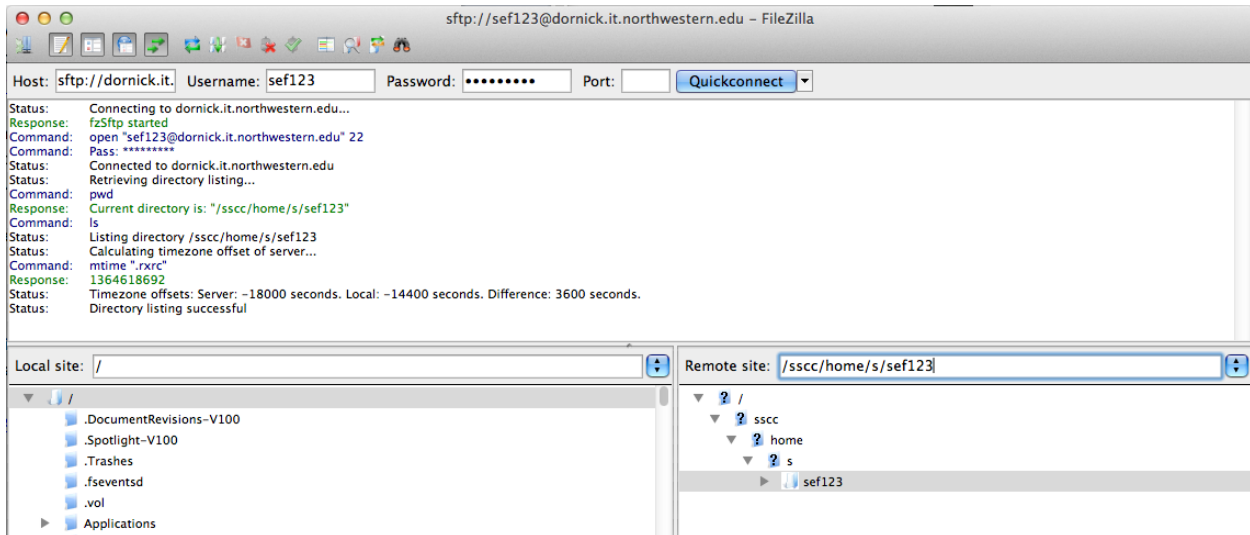


Figure 2: FileZilla Connection with Local Machine and Remote SSCC Directory

- (1) Next you must set the destination on your local machine where you want to transfer the tutorial files. The Local site directory is the directory for your computer. Select the path where you want to save the files. Figure 3 shows an example path.

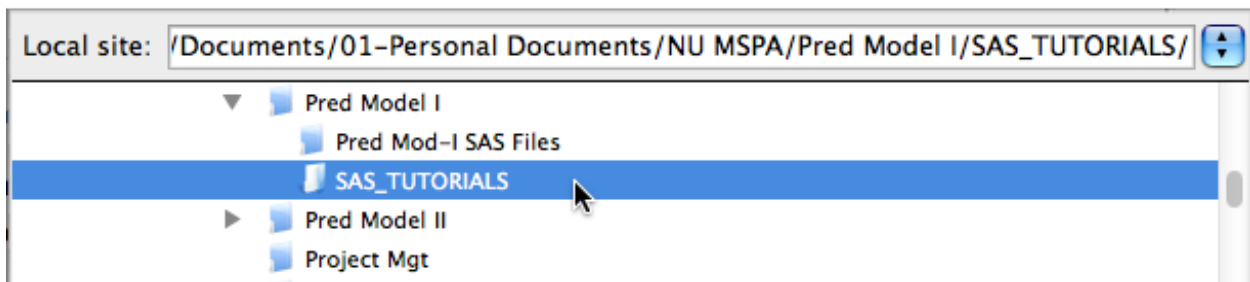


Figure 3: Sample Path on Local Machine to Transfer SSCC Files

- (2) Next you will set the Remote site location on the SSCC dornick cluster. In the Remote site: window enter `/scs/crb519/SAS_TUTORIALS` and click *Enter*. This is the directory location of the tutorial PDF files. ***(IMPORTANT to enter complete directory name since Unix servers do not provide everyone access to every directory.)***

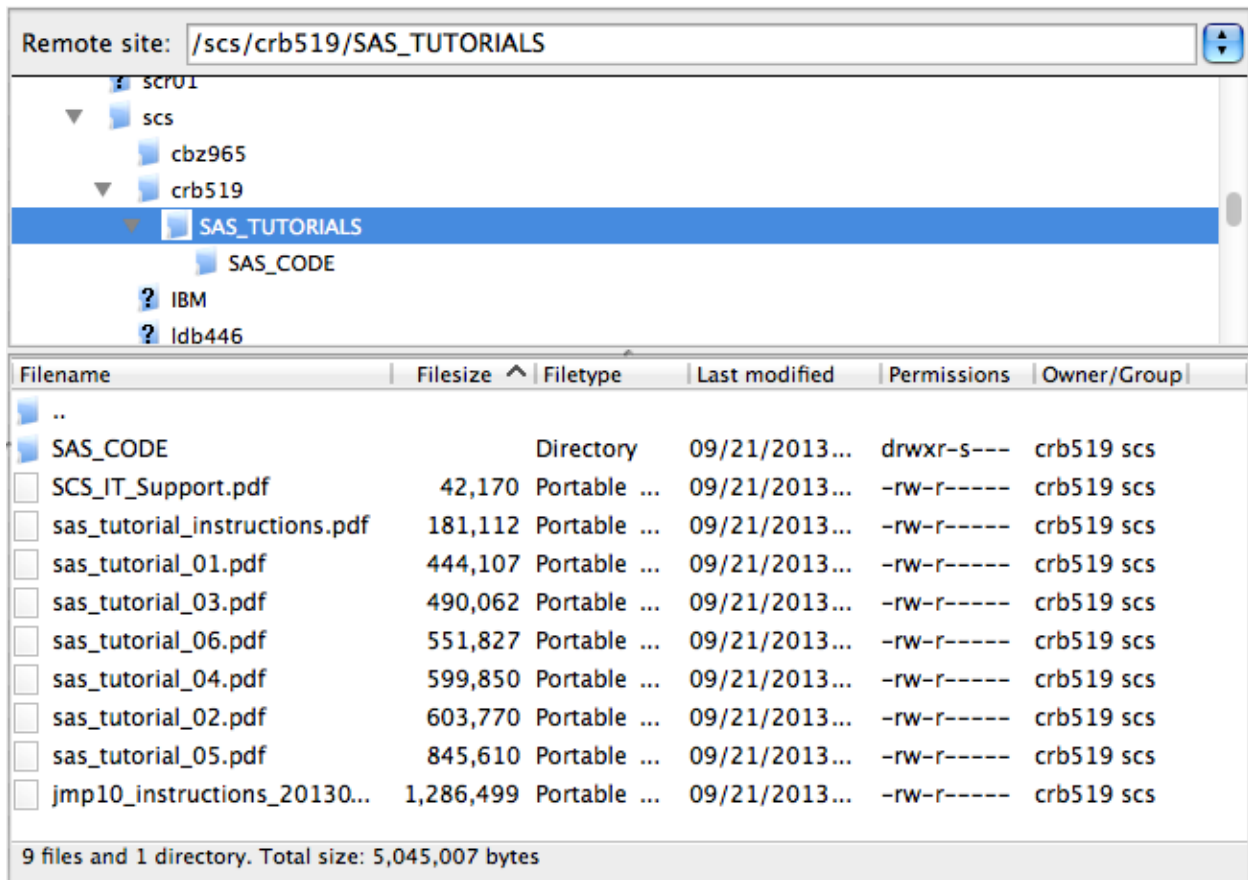


Figure 4: Remote Path to SAS_TUTORIALS

As Figure 4 shows, the Remote site location will show the available SAS tutorials. To access the SAS code scripts, use Remote site `/scs/crb519/SAS_TUTORIALS/SAS_CODE`.

- (3) Highlight the desired tutorial files to transfer. You can select to transfer one at a time or select multiple files as shown in Figure 5.

Filename	Filesize	Filetype	Last modified	Permissions	Owner/Group
..					
SAS_CODE		Directory	09/21/2013...	drwxr-s---	crb519 scs
SCS_IT_Support.pdf	42,170	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_instructions.pdf	181,112	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_01.pdf	444,107	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_03.pdf	490,062	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_06.pdf	551,827	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_04.pdf	599,850	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_02.pdf	603,770	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
sas_tutorial_05.pdf	845,610	Portable ...	09/21/2013...	-rw-r-----	crb519 scs
jmp10_instructions_20130...	1,286,499	Portable ...	09/21/2013...	-rw-r-----	crb519 scs

Selected 7 files. Total size: 3,716,338 bytes

Figure 5: Select Files for Transfer

Once the files are selected, Click *Enter* and FileZilla will transfer the files to your designated Local site directory illustrated in Figure 6. The upper box will supply notes on the transfer status.

The screenshot shows the FileZilla interface with the following details:

- Host:** sftp://dornick.it, **Username:** sef123, **Port:** Quickconnect
- Status Log:**
 - remote:/scs/crb519/SAS_TUTORIALS/sas_tutorial_instructions.pdf => local:/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_instructions.pdf
 - File transfer successful, transferred 181,112 bytes in 1. second
 - Starting download of /scs/crb519/SAS_TUTORIALS/sas_tutorial_03.pdf
 - Command: get "sas_tutorial_03.pdf" "/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_03.pdf"
 - File transfer successful, transferred 444,107 bytes in 1. second
 - Starting download of /scs/crb519/SAS_TUTORIALS/sas_tutorial_06.pdf
 - Command: get "sas_tutorial_06.pdf" "/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_06.pdf"
 - File transfer successful, transferred 490,062 bytes in 1. second
 - Starting download of /scs/crb519/SAS_TUTORIALS/sas_tutorial_04.pdf
 - Command: get "sas_tutorial_04.pdf" "/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_04.pdf"
 - File transfer successful, transferred 524,288 bytes in 1. second
 - Starting download of /scs/crb519/SAS_TUTORIALS/sas_tutorial_02.pdf
 - Command: get "sas_tutorial_02.pdf" "/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_02.pdf"
 - File transfer successful, transferred 603,770 bytes in 1. second
 - Starting download of /scs/crb519/SAS_TUTORIALS/sas_tutorial_05.pdf
 - Command: get "sas_tutorial_05.pdf" "/Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/sas_tutorial_05.pdf"
 - File transfer successful, transferred 845,610 bytes in 1. second
 - File transfer successful, transferred 786,432 bytes in 1. second
- Local site:** /Users/sf_imac/Documents/01-Personal Documents/NU MSPA/Pred Model I/SAS_TUTORIALS/
 - Files: SCS_IT_Support.pdf (42,170), jmp10_instructions_2013... (1,286,499), sas_tutorial_01.pdf (444,107), sas_tutorial_02.pdf (603,770), sas_tutorial_03.pdf (490,062), sas_tutorial_04.pdf (599,850), sas_tutorial_05.pdf (845,610), sas_tutorial_06.pdf (551,827), sas_tutorial_instructions.p... (181,112)
- Remote site:** /scs/crb519/SAS_TUTORIALS/
 - Files: SAS_CODE (Directory), SCS_IT_Support.pdf (42,170), jmp10_instructions_2013... (1,286,499), sas_tutorial_01.pdf (444,107), sas_tutorial_03.pdf (490,062), sas_tutorial_06.pdf (551,827), sas_tutorial_04.pdf (599,850), sas_tutorial_02.pdf (603,770), sas_tutorial_05.pdf (845,610), jmp10_instructions_20130... (1,286,499)

Figure 6: Files Transferred from Remote site on SSCC to Local site

(4) Finally, the files are now accessible using your operating system's file manger or directory explorer. The tutorials are saved in PDF and the SAS files can be opened in JMP.