

### SAS Server Command Cheatsheet

#### SSH connect to server

```
ssh serverip -u username -p
connect to the sasserver, using your scotia id
and windows password.
list of sas servers
10.56.70.51 cs2iw606
10.56.70.53 cs2iw608
10.56.70.55 cs2iw610
```

#### Directory & Files

```
cd directory
Navigate to a directory {{nll}} cd /sasda-
ta/risk

mv file1|directory1 file2|-
directory2
Move file1 or Directory1 to file2 or
directory 2.
For example
mv rev_pd /sasda ta/ IFR S9M -
odel/pd`
```

```
cp file1|directory1 file2|-
directory2
Copy file1 or directory1 to file2 or direct-
ory2.
For example
cp rev_pd /sasda ta/ IFR S9M -
odel/pd`
```

```
pwd
Show current location
```

```
ls -alt
List all files & directories under current
directory.
-a all files including hidden
-l list files with details
-t list files order by last modified date
```

```
mkdir directory
Create new directory
```

```
rm directory|file
Remove directories or files.
use -R option to remove files or direct-
ories recursively
```

```
unzip --file --destinatio-
nfolder
Unzip a file
```

```
find directory -user
user_id
Find files or directories owned by user.
for example:
find /sasda ta/ IFR S9Model -
user s3308234
```

#### File permission/Owners

```
chmod -R 770 Files/Direct-
ories
Change file or folder permission
directories
770 = read & write on user and
groups
740=read & write on User. Read
only on group

chmod -R a=rwx. g=rwx, o=
files/directories
Changes permission using rwx style.

chown -R user:group files/-
directories
Changes the user & group of files or
directory.
-R option will make recursive
changes to the directory
```

#### Disk & File size

```
df
Check the storage space usage on current directory.

-g cd /sasdata & df -g | grep IFRS9Model
check how
much spaces IFRS9Model folder is used

du
Check the file size in megabytes.
- du -m /sasdata/IFRS9Model/Canada/Reports/CB_IFRS9_Dash-
m board
```

#### User Related Commands

```
whoami
view your unix id

groups scotiaid
check which group the user belongs to.
groups s3307623 will show all groups
s3307623 belongs

lsgroup ALL | grep
ifrs9mod
check all users under group ifrs9mod
```

#### Move folder example

Following is a list of sample steps to move a folder from A to B

**Step 1:** list the files or folders in the source directory and find the folder to be moved

```
cd [source] & ls -al | grep [folde rto bem oved]
```

example: `cd /sasdata/risk/IFRS9/cc/ & ls -al | grep archive`

**Step 2:** Check the size of the folder

```
du -m [folde rto bem oved]
```

example: `du -m archive`

**Step 3** mv the folder to the destination



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Page 2 of 2.

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### Move folder example (cont)

```
mv [folde rto bem oved] [desti nation]
```

*example: mv archive /sasdata/IFRS9/cc*

**Step 4:** after move completed check the file size at destination to make sure file size matches to be before moving

```
du -m [desti nat ion ]\[ fol der moved]
```

*example: du -m /sasdata/IFRS9/cc/archive*

**Step 5:** change the folder permission to so that user/group can read/write

```
chmod -R 770 [desti nat ion ]\[ fol der moved]
```

*example: chmod -R 770 /sasdata/IFRS9/cc/archive*



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Page 3 of 2.

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