Using ideacmdtool on a Siemens scanner to send DICOM data to FIRMM

**NOTE**: FIRMM and ideacmdtool have been tested on both a Siemens Trio and Prisma

**Prerequisites for setup**

- FIRMM version 2.1 or greater installed on a separate Linux computer that is networked to the scanner host computer. If FIRMM is not yet installed, visit firmm.us for more info.
- You will need to know the FIRMM computer IP address, referenced below as [FIRMM_IP]
- You will need to know the FIRMM user name and password, set during the installation of FIRMM. The user name is probably firmmproc.
- Select an available drive letter to use for mapping on the scanner host computer. In these instructions we use "Y:".
- Access to the "advanced user" on the Siemens scanner host computer

**Set default values**

The instructions below will set the following defaults for ideacmdtool:

```
target port = -1
target path = y:
SendBuffered OFF
SendIMA OFF
```

- Make sure you're logged in as "advanced user". If you don't know what this means, ask your local Siemens tech.
- Press Ctrl+Esc to open the Windows start menu
- Click "Command Prompt" or "Run" and enter cmd
- Enter ideacmdtool
- Enter 4 (Online export defaults)
- Enter 1 (Target port), enter -1
- Enter 3 (Target path), enter y: (or whatever drive letter you want to use)
- Enter 8 (SendBuffered OFF)
- Enter q (back to main ideacmdtool menu)
- Enter q (exit ideacmdtool)

**Map FIRMM computer Samba share**

Follow these instructions to map the FIRMM computer Samba share to a drive letter on the scanner host computer. We'll use "Y:" in this example, but you can use a different letter.

- Press Ctrl+Esc to open the Windows start menu, click "Computer" or "Windows Explorer"
- Click "Tools > map network drive", enter "Y:" and {{FIRMM_IP}}\FIRMM_DICOM
- Make sure "use different credentials" is checked, click "OK"
- Enter [FIRMM_IP]\firmmproc for the user name and enter the firmmproc password, click "OK"
- The DICOM folder should open
MR session instructions

Follow these steps every time you run an MR session.

- Press `Ctrl+Esc` to open the Windows start menu, click "Computer" or "Windows Explorer"
- Make sure the "Y:" drive is mapped to the samba share on the FIRMM computer, `\[FIRMM_IP]\FIRMM_DICOM`. If it isn't, follow the instructions above to map it.
- On the scanner host computer, register a new patient.
- After the patient has been registered:
  - On the scanner computer, press `Ctrl-Esc`, select "Command Prompt" or "Run" and enter `cmd`
  - Enter `ideacmdtool`
  - Enter `5` for switches
  - Enter `8` to turn on DICOM transfer (SendIMA ON)
  - Enter `q`, enter `q` again to exit ideacmdtool, enter `exit` to exit command prompt
- Any scans that are "applied" after this should be sent to the FIRMM computer