

Access to CIM Servers

Computer Access

You can use secure shell (SSH) to log into a CIM system. On a Linux or Mac system, you can directly ssh to to a cim machine with

```
ssh <CIMUSERNAME>@barn.cim.mcgill.ca
```

barn.cim.mcgill.ca is a publicly accessible CIM system available for everyone to use to log in.

If you are on another type of operating system, we suggest using an ssh client such as [PuTTY](#) to access the CIM servers.

Once connected to the server, you will be presented with a Linux command line. If unfamiliar with the Linux environment, here is a link to a [quick guide](#) that covers the basics of Linux shell operation.

Private servers

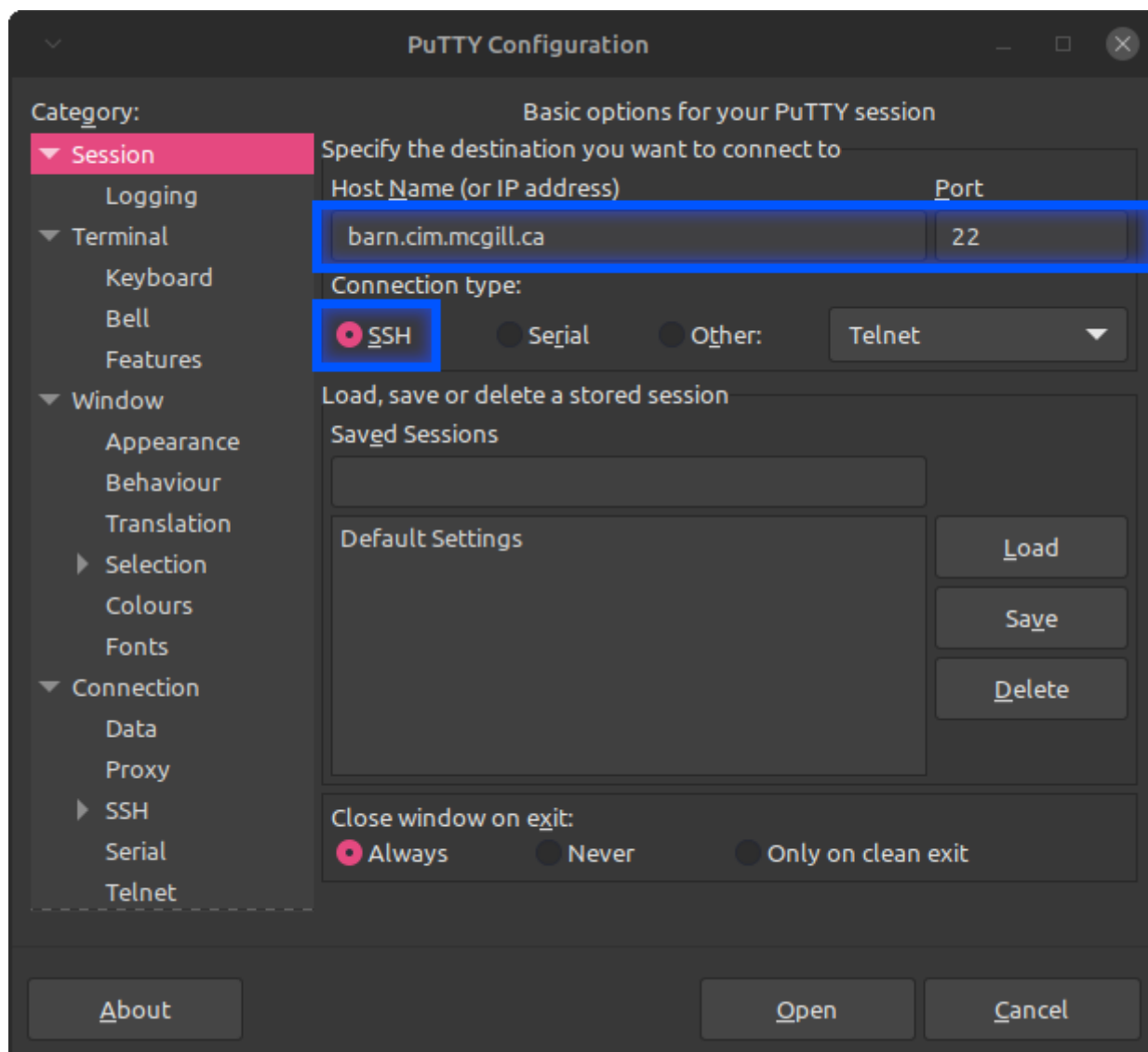
Some CIM computers are on a private (internal) McGill vlan (10.69.54.1/23). These servers cannot be access directly from the internet To access these computers, you can use any public CIM server as an ssh jump host. (SSH jump hosts are a way to proxy ssh connections through one server to access another)

```
ssh -j <CIMUSERNAME>@barn.cim.mcgill.ca  
<CIMUSERNAME>@<PRIVATESEVER>.cim.mcgill.ca
```

PuTTY

If you are on another type of operating system, we suggest using an ssh client such as [PuTTY](#) to connect to CIM computers.

When you open PuTTY, you'll be presented with a configuration screen where only two options need to be configured, the server address (barn.cim.mcgill.ca) and the connection type (SSH).



Once configured, click open and the a shell should appear and prompt for your CIM username and password.

Private servers

To access private CIM servers, you'll need to configure an SSH proxy in PuTTY. To do so, you'll need a version of putty >0.77 and navigate to Connection > Proxy and select SSH as the proxy type and specify the details of the jump host (barn.cim.mcgill.ca).

File Access

To transfer files to and from the CIM servers, you can use the scp (secure copy) command.

From your local machine to a CIM server

```
scp <LOCALFILEPATH>  
<CIMUSERNAME>@barn.cim.mcgill.ca:/home/<GROUPDIRECTORY>/<CIMUSERNAME>/<DESTI
```

NATION>

From a CIM server to your local machine

```
scp  
<CIMUSERNAME>@barn.cim.mcgill.ca:/home/<GROUPDIRECTORY>/<CIMUSERNAME>/<REMOTEFILE> <DESTINATION>
```

It is also possible to define an ssh jump host to the scp commands by adding -j <CIMUSERNAME>@barn.cim.mcgill.ca to access files located locally on private servers.

Filezilla

A more intuitive way to access your files is to use a file transfer client such as [filezilla](#).

To configure a connection to the CIM server

File > Site Manager New Site

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