I) Setup Proxy

HTTP Proxy : **proxy.iisc.ernet.in** Port : **3128**

HTTPS Proxy : **proxy.iisc.ernet.in** Port : **3128**

FTP Proxy : **proxy.iisc.ernet.in** Port : **3128**

II) Instructions for ‘SSH’ to outside IISc (eg: Azure) Network on Linux

PreRequisite :

To have Previously setup IISC proxy ‘[proxy.iisc.ernet.in](http://proxy.iisc.ernet.in) 3128”

1)Download Corkscrew Tool

<http://www.techrepublic.com/blog/linux-and-open-source/using-corkscrew-to-tunnel-ssh-over-http/>

2)Extract into New Location : **/home/tools/**

3)Navigate to extracted path

**> cd /home/tools/corkscrew-2.0**

4) Complete the setup

**> ./configure**

**> make**

5)Update the Environment variable PATH , pointing it to Corkscrew’s location

**> nano .bashrc**

6)Add the line at the end of **.bashrc** file

>**export PATH=$PATH:/home/tools/corkscrew-2.0**

Connection String example(From Inside IISC; Proxy Network)

[Username:*iotvm* Password :*iotsummer*]

NOTE : For exact formatted string refer

<https://github.com/dream-lab/iot-school/blob/master/common/setup/ConnectionStrings.txt>

For SSH :

**>ssh iotvm@iotsummerschoolcommon.cloudapp.net.cloudapp.net -o "ProxyCommand corkscrew** [**proxy.iisc.ernet.in**](http://proxy.iisc.ernet.in) **3128** [**iotsummerschoolcommon.cloudapp.net**](http://iotsummerschoolbrokervm1.cloudapp.net) **22"**

For SCP:

**>scp -r -o "ProxyCommand corkscrew**[**proxy.iisc.ernet.in**](http://proxy.iisc.ernet.in/)**3128** [**iotsummerschoolcommon.cloudapp.net**](http://iotsummerschool2016vm18714.cloudapp.net/)**22"  <source-file/dir> iotvm@ iotsummerschoolcommon.cloudapp.net:/home/iotvm**

Connection String example(From Any Outside Network;Non Proxied)

[Username:*iotvm* Password :*iotsummer*]

For SSH :

**> ssh   iotvm@iotsummerschoolcommon.cloudapp.net**

For SCP:

**> scp -r   <source-file/dir>  iotvm@iotsummerschoolcommon.cloudapp.net:/home/iotvm**

Reference

<http://www.techrepublic.com/blog/linux-and-open-source/using-corkscrew-to-tunnel-ssh-over-http/>

<http://agroman.net/corkscrew/>