

Accessing sessions from outside ATNF network

The ATNF ssh gateways are `venice.atnf.csiro.au` and `orion.atnf.csiro.au`.

Viewing a vnc session from outside ATNF requires using ssh to forward a port on the local (client) host to the remote host. The host port specified is the vnc desktop display number+5900.

- Log onto the ssh gateway machine at the observatory with your ATNF username, specifying remote host and port to connect to, e.g. to view the ATCA xbones:1 desktop:

```
> ssh -L 5901:xbones:5901 my_username@venice.atnf.csiro.au
```

- Start a vncviewer on the local host, connect to host "localhost" and display 1 or whichever display was specified for the local port (1st number -5900 in the ssh command above). Note the remote desktop number does not have to be forwarded to the local desktop number. For example to tunnel joffrey:1 to local desktop :3 do the following:

```
> ssh -L 5903:joffrey:5901 my_username@venice.atnf.csiro.au
```

A quicker way to achieve this on many VNC viewers is to use the `-via` switch and allow VNC to look after the ssh port forwarding for you:

```
> vncviewer -via my_username@venice.atnf.csiro.au xbones.atnf.csiro.au:1
```

You can create multiple tunnels with a single ssh command. Something along the lines of the following works:

```
> ssh -L 5901:xbones:5901 5902:xbones:5902 5903:caccc1:5901
5904:bigrock:5901 -L 5905:joffrey:5901 -L 5906:joffrey:5902 -L
5907:cira10:5901 -L 5908:pam0:5901 -L 5909:cave00-ext:5901
IDENT@venice.atnf.csiro.au
```

Then on the local machine connect as follows

Telescope	VNC session	Local screen
ATCA	xbones:1	:1 or 5901
ATCA	xbones:2	:2 or 5902
ATCA	caccc1:1	:3 or 5903
Mopra	bigrock:1	:4 or 5904
Parkes	joffrey:1	:5 or 5905
Parkes	joffrey:2	:6 or 5906
ASKAP	cira:1	:7 or 5907
Fringe Check	pam0:1	:8 or 5908
eVLBI	cave00:1	:9 or 5909

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