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# **SSH jumphost**

To set up a permanent jumphost for all SSH sessions from NetYCE the following is required.

- 1. Generate SSH keys on the netyce server ssh-keygen -b 2048
- Copy the contents of .ssh/id\_rsa.pub to the jumphost ~/.ssh/authorized\_keys file.
   Make sure it is all on one line. (you could use: ssh-copy-id -i ~/.ssh/id\_rsa.pub
   <jumpuser>@<jumphost>)
- Verify you can login to the jumphost without a password ssh <jumpuser>@<jumphost>
- 4. modify the /opt/yce/etc/ssh\_config to include the desired pieces:
  - 1. Host jumphost
     Hostname 192.168.182.136
     User your\_user
     IdentityFile ~/.ssh/id\_rsa

    Host 192.168.182.191 192.168.182.192
     # you could also do: 192.168.182.\*
     ProxyCommand ssh jumphost -W %h:%p -F /opt/yce/etc/ssh\_config
  - 2. do not modify other aspects
- 5. Verify you can connect to a node. ssh <user>@<node> -v -F /opt/yce/etc/ssh config
  - 1. you should see this line in the debug output: debug1: Executing proxy command: exec ssh -q -i ~/.ssh/id\_rsa <jumpuser>@<jumphost> -W <node\_ip>:22

From this point on all SSH session will use the jumphost.

More details on ssh config. Please note the version of ssh, this may have limitations.

#### **Drawbacks**

#### **NCCM**

Without having direct return traffic from the node to NetYCE cripples the NCCM functionality.

You'll have to disable the pre and post backups for the command jobs as well.

Set all disabled values to 1.



### **OS upgrades**

Since the NetYCE server isn't reachable from the node, the OS can't be retrieved for OS upgrades.

From:

https://wiki.netyce.com/ - Technical documentation

Permanent link:

https://wiki.netyce.com/doku.php/maintenance:general:ssh\_jumphost





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