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`
2. 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>`)
3. 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.

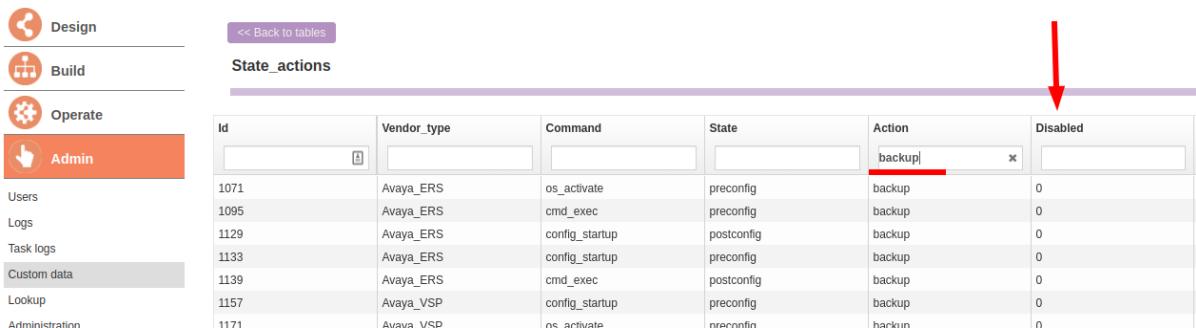# Drawbacks

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?id=maintenance:general:ssh_jumphost

Last update: **2024/07/03 12:31**