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.

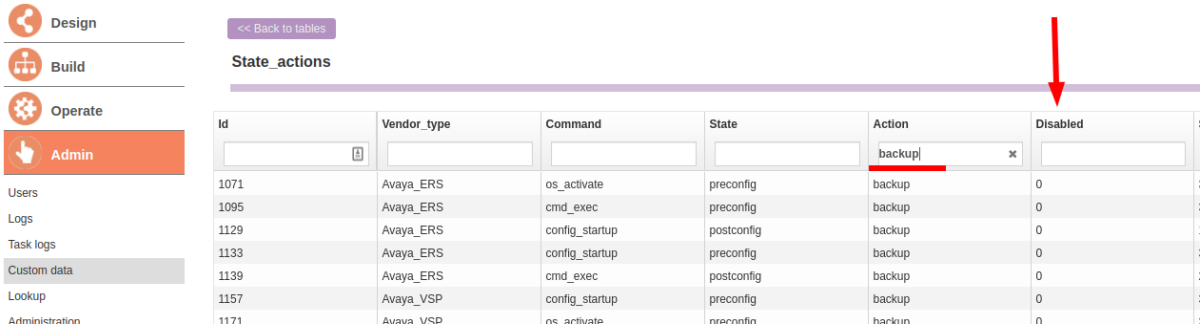
Drawbacks

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

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