

# 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.

The screenshot shows the NetYCE Admin interface with a sidebar on the left containing menu items: Design, Build, Operate, and Admin (highlighted). The main content area displays a table titled "State\_actions" with a "<< Back to tables" link. The table has columns for Id, Vendor\_type, Command, State, Action, and Disabled. A red arrow points to the "Disabled" column header. The table contains several rows of data, including entries for Avaya\_ERS and Avaya\_VSP.

Id	Vendor_type	Command	State	Action	Disabled
1071	Avaya_ERS	os_activate	preconfig	backup	0
1095	Avaya_ERS	cmd_exec	preconfig	backup	0
1129	Avaya_ERS	config_startup	postconfig	backup	0
1133	Avaya_ERS	config_startup	preconfig	backup	0
1139	Avaya_ERS	cmd_exec	postconfig	backup	0
1157	Avaya_VSP	config_startup	preconfig	backup	0
1171	Avaya_VSP	os_activate	preconfig	backup	0

## 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**

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[https://wiki.netyce.com/doku.php?id=maintenance:general:ssh\\_jumphost](https://wiki.netyce.com/doku.php?id=maintenance:general:ssh_jumphost)

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