

## How To Add a Device to RANCID

These instructions will cover how to add a new network device to be used by RANCID.

Default Network Device username: rancid

Default Network Device password: C0nf1gM@nageMent

Default Access Method: SSH

### Configure Network Device

```
1. (config)# username rancid privilege 15 secret C0nf1gM@nageMent
```

### Configure RANCID Server for New Network Device

For the examples given in these instructions, the IP address 192.168.128.14 is used. You can substitute this IP address with your network device's IP address.

1. Add network device to device list
  - a) \$ sudo vi /usr/local/rancid/var/networking/router.db
    - The format is: <IP address>;<manufacturer>;<status>
    - For example:  
192.168.128.14;cisco;up
2. Edit the RANCID rlogin configuration file
  - a) If the device uses a different username, password, or access method (telnet vs SSH), then you need to add entry for that device. If the network device uses the default credentials and access method listed at the beginning of this document, then you do not need to edit this file.
    - b) \$ sudo vi /usr/local/rancid/.cloginrc
      - For example if device 192.168.128.12 uses telnet and a different username/password, add the following lines:
- add user 192.168.128.12 {billy}  
add password 192.168.128.12 {userpassword} {enablepassword}  
add method 192.168.128.12 {telnet}
- c) Be sure to add the user, password, and method before the default entries. The default entries are the ones that use a wildcard for the hostname. For example, "add password \* {C0nf1gM@nageMent} {C0nf1gM@nageMent}" is the default password entry.
3. Verify that you can log in to the network device using the credentials you provided in the config.
  - a) \$ su - rancid
  - b) Password: rancid
  - c) \$ bin/clogin 192.168.128.14
  - d) You should see the login process run for your device and end up at the enable prompt. You may exit out from this prompt.
4. Run rancid
  - a) \$ /usr/local/rancid/bin/rancid-run
  - b) This will run for a few seconds. If successful, you should see a file named '192.168.128.14' (your network device) in the directory '/usr/local/rancid/var/networking/configs'. This file will contain the config of your device.
  - c) \$ cat /usr/local/rancid/var/networking/configs/192.168.128.14
  - d) Confirm that the output of the previous command appears like that of your network device's running-configuration.
5. Verify that the configuration file was added to CVS
  - a) Open a Web Browser and go to <http://10.9.9.70/viewvc/networking/configs/>
  - b) You should see a listing with your device's IP address. If you click on the link, you should

be able to view your device's configuration file.

## **Troubleshooting**

### **SSH Host Key Verification Failed**

If you receive this error, it is probably that an IP address changed. To fix this, you need to remove the SSH key from the known\_hosts files. This can be done with the following command:

```
$ ssh-keygen -R "<IP Address>"
```