

Setting up Jitter in the RANCID CRON process

Creating Jitter

When you installed and configured RANCID you were asked to create the RANCID cron file:

`/etc/cron.d/rancid`

That file should look like:

```
# run config differ hourly
#1 * * * * rancid /usr/bin/rancid-run
# clean out config differ logs
#50 23 * * * rancid find /var/log/rancid -type f -mtime +2 -exec rm {} \;
*/30 * * * * rancid /usr/lib/rancid/bin/rancid-run
```

The very last line that starts with “*/30” means that RANCID will run and backup your network devices every 30 minutes.

We need to set up some “jitter” between our RANCID processes. You do not need to do this outside of this lab, so you can leave the `/etc/cron.d/rancid` file as it is if you decide to install RANCID at home.

Below is a list of each server machine in our classroom and what the last line should look like for that server. Please find your machine and update `/etc/cron.d/rancid`’s last line to look like what is in the table below:

Campus 1

LAST LINE in <code>/etc/cron.d/rancid</code>	SERVER
1 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus1.ws.nsrc.org
2 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus1.ws.nsrc.org
3 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus1.ws.nsrc.org
4 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus1.ws.nsrc.org
5 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus1.ws.nsrc.org
6 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus1.ws.nsrc.org

Campus 2

LAST LINE in <code>/etc/cron.d/rancid</code>	SERVER
11 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus2.ws.nsrc.org
12 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus2.ws.nsrc.org
13 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus2.ws.nsrc.org

LAST LINE in /etc/cron.d/rancid	SERVER
14 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus2.ws.nsrc.org
15 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus2.ws.nsrc.org
16 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus2.ws.nsrc.org

Campus 3

LAST LINE in /etc/cron.d/rancid	SERVER
21 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus3.ws.nsrc.org
22 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus3.ws.nsrc.org
23 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus3.ws.nsrc.org
24 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus3.ws.nsrc.org
25 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus3.ws.nsrc.org
26 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus3.ws.nsrc.org

Campus 4

LAST LINE in /etc/cron.d/rancid	SERVER
31 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus4.ws.nsrc.org
32 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus4.ws.nsrc.org
33 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus4.ws.nsrc.org
34 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus4.ws.nsrc.org
35 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus4.ws.nsrc.org
36 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus4.ws.nsrc.org

Campus 5

LAST LINE in /etc/cron.d/rancid	SERVER
41 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus5.ws.nsrc.org
42 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus5.ws.nsrc.org
43 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus5.ws.nsrc.org
44 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus5.ws.nsrc.org
45 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus5.ws.nsrc.org
46 * * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus5.ws.nsrc.org

Campus 6

LAST LINE in /etc/cron.d/rancid		SERVER
51	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv1.campus6.ws.nsrc.org
52	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv2.campus6.ws.nsrc.org
53	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv3.campus6.ws.nsrc.org
54	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv4.campus6.ws.nsrc.org
55	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv5.campus6.ws.nsrc.org
56	* * * * rancid /usr/lib/rancid/bin/rancid-run	srv6.campus6.ws.nsrc.org