FIELD SERVICE BULLETIN
FSB# 140110-03b
January 10, 2014
(Revised 1/24/2014)

Affected Products:
All products listed below.

Part Number:	Description:
3003-00xx-00x	Praecis Cntp Network Time Server
3005-00xx-00x	Praecis Gntp Network Time Server
3007-xxxx-00x	Praecis Cntp Network Time Server
3009-00xx-00x	Praecis Gntp Network Time Server
3012-00xx-00x	Tempus Gntp Network Time Server
3013-00xx-00x	Tempus Cntp Network Time Server

Note: "x" is variable.

Problem:
NTP vulnerability CVE-2013-5211
Vulnerability detected in the `monlist` feature in `ntpd` before version 4.2.7p26. It allows remote attackers to cause a denial of service (traffic amplification). Details are here:
http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2013-5211&cid=1.

Background Information:
The `monlist` vulnerability has to do with NTP remote query tools - `ntpq` and `ntpdc`. There have been known vulnerabilities in remote query for years. The best fix is to restrict the use of `ntpq` and `ntpdc` to local operation only. By restricting access, the vulnerabilities their operation might present are not exposed to outside hosts coming in over the network. If someone is executing either `ntpq` or `ntpdc` while logged into the Time Server, that's fine. They are already logged in and the idea is that such a person is not a malicious user. Even if they are, they're already in anyway.

Required Action:

Even though the products listed above have a version of NTP prior to 4.2.7p26, there is an easy way to protect them. No firmware upgrade is required.

> Is there an *ntp.conf* file in */boot/etc*?
>
> If no, then edit the */etc/ntp.conf* file and add the `noquery` keyword in the `restrict default...` line like this:
>
> `restrict default nomodify noquery`
>
> Then add this line:
> `restrict 127.0.0.1 nomodify`
>
> Save the file and copy to */boot/etc*.
>
> Then `reboot`.
>
>
> If yes, then edit the */boot/etc/ntp.conf* file. Make sure the `noquery` keyword is present in the `restrict default...` line. Here is an example:
>
> `restrict default nomodify noquery`
>
> And add this line:
> `restrict 127.0.0.1 nomodify`
>
> Save the file and then `reboot`.

(If you need help with Linux commands see the next page.)

Contact Information:

Feel free to contact us if you have any questions or need help:

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2270 Northpoint Parkway
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707-573-8633 or 1-877-749-3878 (toll-free)
support@endruntechnologies.com

Quick Help for Non-Linux Users:

The following commands are available on the command line interface: `ls`, `more`, `cp`, and `edit`.

`ls`	List.
`ls /boot/etc`	This command will display a list of all files in the */boot/etc* directory. Look for the *ntp.conf* file.
`more`	More.
`more /boot/etc/ntp.conf`	Use `more` to see what is inside *ntp.conf*.
`edit`	Edit.
`edit /boot/etc/ntp.conf`	Use `edit` if you need to make changes to the file.
`ALT-H`	Help Screen. This will show you a list of keystrokes you might need.
`CTRL-K Q`	To quit without saving.
`CTRL-K X`	To quit and save your changes.
`cp`	Copy.
`cp -p /etc/ntp.conf /boot/etc`	To copy a file from one location to another. The `-p` preserves attributes.