

System Update

- Update With The Latest Update
- Configure Automatic Updates
- Configure Network Time Protocol (NTP)

Update With The Latest Update

Updating packages

1. Run the command below and press 'y' at the prompt. After the update has finished, restart the server.

```
yum update
```

Configure Automatic Updates

Setting Up Automatic Updates

Install yum-cron

1. Install yum-cron, the package that allows us to do automatic updates

```
yum -y install yum-cron
```

Configure yum-cron for auto-update

1. Edit the file /etc/yum/yum-cron.conf and change the options below

```
apply_updates = no
```

```
to
```

```
apply_updates = no
```

```
emit_via = stdio
```

```
to
```

```
emit_via = email
```

```
email_to =
```

```
to
```

```
email_to = sys admin email address
```

Verify that the service is running

1. Verify that the service is running with the command

```
systemctl status yum-cron.service
```

The output should look similar to

```
# /bin/systemctl status yum-cron.service
yum-cron.service - Run automatic yum updates as a cron job
   Loaded: loaded (/usr/lib/systemd/system/yum-cron.service; enabled)
   Active: active (exited) since sab 2014-08-09 00:37:16 CEST; 16h ago
  Process: 830 ExecStart=/bin/touch /var/lock/subsys/yum-cron (code=exited, status=0/SUCCESS)
 Main PID: 830 (code=exited, status=0/SUCCESS)
   CGroup: /system.slice/yum-cron.service
```

If the service is stopped, start it with the following command

```
systemctl start yum-cron.service
```

Configure Network Time Protocol (NTP)

Install NTP Daemon

1. Install NTPd with the following command

```
yum -y install ntp
```

Configure Firewall

1. Add NTP service to the 'allow' rules and reload the firewall to apply changes

```
firewall-cmd --add-service=ntp --permanent
```

```
firewall-cmd --reload
```

Edit ntp.conf File

1. Change/add the /etc/ntp.conf by removing current time servers and adding new time servers

Change from

```
# hetzner ntp servers
server ntp1.hetzner.de iburst
server ntp2.hetzner.com iburst
server ntp3.hetzner.net iburst
```

to

```
# hetzner ntp servers
# server ntp1.hetzner.de iburst
```

```
# server ntp2.hetzner.com iburst
# server ntp3.hetzner.net iburst
```

Add the following time servers

=====

```
server 0.pool.ntp.org
server 1.za.pool.ntp.org
server 2.africa.pool.ntp.org
```

Start And Check NTP service

1. Start NTP service and check to see if it is active

Start and enable NTPd

=====

```
systemctl start ntpd
systemctl enable ntpd
```

Check to see if service is enabled

=====

```
ntpq -p
```