

# Verify Chronyd is running on Xpand

Now that you have completed [installing Xpand](#), you will need to verify that chronyd is running so that the nodes system clocks will remain synchronized.

Xpand requires that system clocks to be in synch to perform upgrades and so that log timestamps can be correlated. Xpand will generate [Database Alerts](#) if the clocks skew too much between nodes in a cluster.

The Xpand installer automatically installs and configures chronyd. To verify chronyd is running correctly:

```
shell> /opt/clustrix/bin/clx cmd 'chronyc tracking'
```

sample result:

```
-----  
{nid: 1, hostname: karma050, ip: 10.2.15.127}  
Reference ID      : 0A020103 (midget2.colo.sproutsys.com)  
Stratum          : 4  
Ref time (UTC)   : Wed Feb 24 18:35:48 2021  
System time      : 0.000007166 seconds slow of NTP time  
Last offset      : -0.000009057 seconds  
RMS offset       : 0.000027733 seconds  
Frequency        : 3.972 ppm fast  
Residual freq    : -0.001 ppm  
Skew             : 0.030 ppm  
Root delay       : 0.044349484 seconds  
Root dispersion  : 0.019681389 seconds  
Update interval  : 512.4 seconds  
Leap status      : Normal  
polling server   every 64 s
```

Example output of chronyd not running properly:

```
506 Cannot talk to daemon
```

You can verify that the clocks are in sync between the nodes with the following command (this assumes that the clx tool is able to properly authenticate between nodes):

```
shell> /opt/clustrix/bin/clx cmd 'date'
```

You can similarly verify ntp on all nodes with the following command:

```
shell> /opt/clustrix/bin/clx cmd 'ntpstat'
```