



**Hewlett Packard**  
Enterprise

# **HPE Cray EX Series System Administration with HPE Performance Cluster Manager**

Lab exercise system health

1. Review health checks and health alerts:

```
cm health check -h
```

```
cm health check -l
```

```
cm health check -o -n <node or group of nodes> cpuchk
```

```
cm health check -o -n <node or group of nodes> memchk
```

```
cm health alert -h
```

```
cm health alert -s
```

```
cm health alert -g
```

```
cm health alert -c
```

```
cm health alert query
```

2. Select a few additional health checks and run them.

3. Skim the HPE Performance Cluster Manager Administration Guide sections:

Monitoring cluster health with the <code>cm health check</code> command.....	255
Verifying and modifying the cluster health check configuration file.....	256
<code>cm health check</code> command interoperability with other products.....	257
Using the <code>cm health check</code> command.....	257
Specific health checks.....	258
Integrating cluster health check and Slurm.....	266
Integrating cluster health check and Altair PBS Professional.....	267
Regenerating new node configuration files.....	269
Adding new health checks.....	269
Modifying the functionality of a health check.....	270
Modifying the parameters of a health check.....	271
Preventing a health check from running.....	271
Gluster file system health checks.....	271
Monitoring alerts with the <code>cm health alert</code> command.....	273
<code>cm health alert</code> command examples.....	274
Managing the alert life cycle.....	277
Configuring ElastAlert email alerts.....	278
Alert types.....	280
Enabling the <code>cron</code> job for monitoring InfiniBand fabric.....	283
Enabling the <code>cron</code> job for monitoring the Gluster file system.....	283
Editing the baseline file manually.....	284
Displaying receive time for alerts in the user time zone.....	285
HPE Slingshot alerts.....	285
Specifying HPE Slingshot alert levels in the <code>.yaml</code> files.....	288

This complete lab exercise system health.