

# Workload Management: How do I add a submit host to GE?

How do I add a submit host to GE (Grid Engine)?

1. Edit `/cm/local/apps/cmd/etc/cmd.conf` and add the following advanced configuration parameter:

```
# vim /cm/local/apps/cmd/etc/cmd.conf
```

```
[...]
```

```
AdvancedConfig = { "AdditionalSubmitHosts=<hostname>" }
```

2. restart CMDaemon

```
# service cmd restart
```

3. add the submit host in GE configurations

```
# qconf -as <hostname>
```

4. add the firewall rules to `/etc/shorewall/rules` to allow communication to sge master

```
ACCEPT net fw tcp 6444
```

```
ACCEPT net fw udp 6444
```

5. restart shorewall

```
# service shorewall restart
```

6. install the GE packages on the submit host

**(a) Ubuntu 14.04**

```
# sudo apt-get install gridengine-client  
# dpkg-reconfigure gridengine-client
```

**(b) For RHEL based and SLES based distributions, the GE client package should be installed manually (on the head node)**

**(i) for RHEL-based distros:**

```
# yumdownloader sge-client
```

**(ii) for SLES-based distros:**

```
# zypper install --download-only --force sge-client  
# ls /var/cache/zypp/packages/Cluster_Manager_Updates/x86_64/
```

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sgc-client-2011.11p1-373\_cm6.1.x86\_64.rpm

on the submit host

```
# rpm -ivh sgc-client
```

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