

Workload Management: How do I integrate a custom torque installation with Bright Cluster Manager?

If you install torque using a path that is different from the standard BCM one, then you should carry out the following steps (BCM version should be ≥ 6.0):

1. Disable torque: `wlm-setup -w torque -d`
2. Set the following parameters under the AdvancedConfig directive (see example at end) section of `/cm/local/apps/cmd/etc/cmd.conf`:
 - TorqueRoot - directory of torque installation (default: `/cm/shared/apps/torque/current/`);
 - TorqueServerSpool - server spool directory (default: `/cm/shared/apps/torque/var/spool/`);
 - TorqueMomSpool - mom spool directory (default: `/cm/local/apps/torque/var/spool/`).
3. If you need to use init scripts different from the scripts provided by the Bright Computing torque package, then add the following parameters into your AdvancedConfig section:
 - TorqueServerService - a name of torque server service (default: `torque_server`);
 - TorqueMomService - a name of torque mom service (default: `torque_mom`);
 - TorqueSchedService - a name of torque scheduler service (default: `torque_sched`).
4. Change `$torqueroot` value in `/cm/local/apps/cmd/scripts/healthchecks/schedulers` (for example, to `"/usr/"`).
5. Repeat the same for all nodes where torque is running and restart `cmd` service there.
6. Enable torque: `wlm-setup -w torque -e`

Example of an AdvancedConfig section:

```
AdvancedConfig = {  
  "TorqueSchedService=pbs_sched" ,  
  "TorqueServerService=pbs_server" ,  
  "TorqueMomService=pbs_mom" ,  
  "TorqueRoot=/usr/" ,  
  "TorqueServerSpool=/var/spool/torque" ,  
  "TorqueMomSpool=/var/spool/torque"  
}
```

Unique solution ID: #1059

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