TORQUE Resource Manager 4.2.8 Release Notes

The release notes file contains the following sections:

Differences

This section contains differences in previously existing features that require a change in configuration or routine.

TORQUE Resource Manager

Thread pool manager and thread stack sizes modified

The thread pool manager now frees idle nodes. Additionally, the default thread stack sizes changed to a maximum of 8 MB and a minimum of 1 MB.

Exit job improvements

The way TORQUE exits jobs on moms has been improved to reduce the number of stray jobs, make epilogue run only once, and stop the occurrence of single jobs showing up on nodes they should not.

Known issues

The following are known issues in the TORQUE Resource Manager 4.2.8. Following each issue description is an associated issue number in parentheses.

- When you upgrade Moab and TORQUE, depending on the versions, you could encounter a problem where the core files are created frequently in `/opt/moab`. You can resolve this problem by removing the old library files from `/usr/local/lib` (TRQ-1082).

Resolved issues

The following is a list of some key bugs fixed in TORQUE Resource Manager 4.2.8. Following each issue description is an associated issue number in parentheses.

- **TORQUE would track the wrong number of processors.** The issue where the total number of execution slots having a count off by one for every Cray compute node has been fixed (TRQ-2501).
- **A memory leak occurred on aynchronous `qrun -a` commands.** The memory leak no longer occurs, and a write after free error that could lead to memory corruption was also resolved (TRQ-2498).
- **For newer versions of nvidia drivers, the GPU status was only displayed at pbs_mom startup.** The GPUs now appear in the `pbsnodes` output (TRQ-2647).

Product documentation

Technical documentation

The online help for TORQUE Resource Manager 4.2.8 is available in HTML and PDF format on the Adaptive Computing Documentation page.