Known Issues

Under Investigation

Problem

Occasionally, PBS jobs may fail due to mpiexec timeout problems at startup. If this happens, you will typically see several error messages similar to the following:

- MPT: xmpi_net_accept_timeo/accept() timeout
- MPT ERROR: could not run executable.

In the past, the following types of errors have also occurred:

- MPT ERROR: inet_connect to host xxx port yyy failed 113
- MPT ERROR: Assertion failed at daemon.c:272: "len == rv"
- MPT ERROR: Assertion failed at ibdev_multirail.c:7090: "context != ((void *)0)"

Status: Under Investigation

Workaround

For instructions, see MPT Startup Failures: Workarounds.

Resolved

Problem with /nobackupnfs2 filesystem server may cause data loss or corruption

Problem

Occasional data loss or corruption occurred in some output files that were sent to the /nobackupnfs2 filesystem.

Status: Resolved

We made a number of configuration changes to the /nobackupnfs2 filesystem to address the problem. Subsequently, the problem has not recurred.

Background

Due to a server issue, any data sent to the /nobackupnfs2 filesystem within a certain period (30 minutes to several hours) before the server hung/rebooted was being held in memory and not written to disk. After the server rebooted, the data in memory was lost, resulting in data loss or corruption.

Normally, data is continuously written to disk, so rebooting the server causes minimal if any data loss; writes to the filesystem are held during the reboot and the data can resume writing when the server is back up.