

Situation: GEO mirroring detected

ID: 20

Problem:

If Geomirror is detected, the remote write mechanism can get delayed, causing jobs to wait on disk writes or journal. This presents itself as slow writes observed in an IBM i job. However, looking at the disk writes in our disk performance overview graphs, show the writes as normal.

The remote write mechanism can get delayed if:

- The remote system is under powered, and can't receive the data off the line and manage the writes as quickly as they are coming in from the source. The target disks are not fast enough to handle how quickly it is receiving the writes, and write cache is being overrun.
- The comm line is too slow, and network equipment cannot handle the rate at which the source IBM i is sending packets out
- The comm line is not reliable, dropping packets, and causing re-transmissions, which then just keeps increasing the amount of traffic overall

Resolution:

Engage your network support team and the IBM i Global Support Center Communication Team to review the health of the communication line and network performance.

Review performance data from the remote system

<https://www.ibm.com/support/pages/powerha-geographic-mirroring-asyncasync-explained>