DXi-Series Log Location and Description

(DXi4500, DXi4600, DXi4700, DXi4701, DXi6500, DXi6700, DXi6802, DXi6900, DXi6902, DXi7500, DXi8500)

With the DXi systems, there are two main types of log files:

- System Logs: contain information related to the DXi system.
- Storage Array Logs: contain information related to the storage arrays.

System Diagnostics File

DXi system logs are constantly updated and stored on the DXi system. You can access and review logs from the DXi system, or you can collect a snapshot of the system logs at a given point in time.

After the collect zip file is uncompressed, the system diagnostics file contains the following folders and files inside scratch\collect\node1-collection. The location on the system is also listed for your reference.

app-info hw-info Name 🔺 o /tsunami.log o /current.config (On system: var/log/DXi/tsunami.log) (On system: /opt/DXi/hwdetect/current.config) 🐚 app-info •Includes information about truncation, • Is created on a system boot or reboot and DB_STORE includes the current configuration of the tape states, space reclamation, and firmware issues. system. 🛅 hw-info 🜘 Logs roll over when files reach about 200 🚞 install-info MB. The older files are saved in separate o /factory.config files, for example tsunami.log.x. (On system: /opt/DXi/hwdetect/factory.config) io-info • Is the output from running a factory detect 🛅 nas-info from service.sh and updates the factory o /tsunami_trace.log (On system: /var/log/DXi/tsunami trace.log) config file. 🛅 os-info Includes different information, specifically 🛅 snfs-info for replication, deduplication, and space o/changes.diff reclamation. Has rollover files. 🚞 syscli-info (On system: /opt/DXi/hwdetect/changes.diff) • Shows the differences between the 🗐 collect.txt 🛑 factory.config file and the current.config file o /srvcLog.hist (On system: /var/log/DXi/srvcLog.hist) on a boot or reboot. • Includes a history of RAS ticket events, including the time stamp and event type. os-info o /service.log o os-info/messages

(On system: /var/log/DXi/service.log)

•Includes a log of all activities performed in the service.sh script.

o /healthcheck-missingtags

(On system: /snfs/healthcheck/missingTags)

•Includes a list of tags missing from the block pool.

WARNING: Never edit any log file with vi on the system. Large files such as the tsunami.log, may collect.txt (not saved on system)

Up to 5 logs are saved under /scratch/collect, but the last log created is the one that downloads.

(On system: /var/log/messages)

Includes information about the operating

system and StorNext filesystem issues.

- Includes high-level info of the system and its components, including the system serial number and host name, and the code version. This file is useful when guickly verifying the system's configuration.
- Lists the location of the logs being collected.

Note: The collect.txt lists the location of the system logs within the diagnostics file and on the DXi system.



DXi-Series Log Location and Description

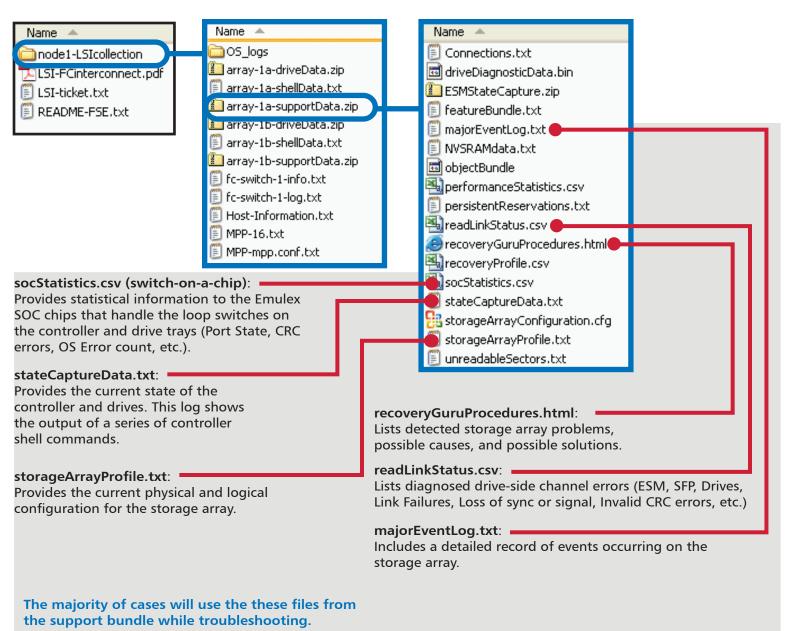
(DXi4500, DXi4600, DXi4700, DXi4701, DXi6500, DXi6700, DXi6802, DXi6900, DXi6902, DXi7500, DXi8500)

Storage Array Diagnostics File

You can collect a snapshot of the storage array logs at a given point in time.

Example for DXi7500 and DXi8500 LSI Arrays

Location: \LSIcollect-SerialNumber\node1-LSIcollection\array-1a-supportData.zip



WARNING: Never edit any log file with vi on the system. Large files such as the tsunami.log, may consume all the swap memory and crash the system. Instead use the less command to review log files on a DXi system.

