

System Log Files

- The log files for each server will display important information regarding the components. This includes errors, warnings, changes, etc.
- Log files are stored in the /opt/local/LBTI_INDI/logs directory.
- Can be accessed through the /INDILBTI/HOME/logs Symlink (See INDI_Symlink for details)
- Format for each log file is as follows:
 - For the motor components in the Cryo Server,
 - motors/motors_YYYYMMDD.log
- Each day, a new log file is generated for these components. Depending on what happens day to day, these log files will have different sizes.
- Several different log levels for each line of the log file:
 - [E] Error – Most Severe, generated for an error that could damage the results or even the physical system
 - [W] Warning – Less Severe, an error that is not as time sensitive but should be looked at
 - [N] Notice – Not very severe, a consideration to take into account
 - [D] Debug – A log generated by the user, often used to test a portion of new code
 - [I] Info – Generated for essentially any change, often not dangerous to the system
- TNF in the command line used to interpret the files
 - Eg: “tnf -i motors”
- TNF is a utility that converts binary trace files to the more standard ASCII file
- Currently, there is a bug in using tnf when trying to access the file at times close to the rollover.
- To rectify the bug, use the 'restart tnf' command, and then proceed normally after this.
- If a log is extremely dangerous to the system, will generate “email” (“alert”) to the user.
- If an “email”/”alert” event occurs, will send an email to the entire staff notifying them of the error.
 - Eg:
 - Temperatures out of range
 - Equipment shut down unexpectedly
 - etc.