

## Displaying a Log File from a Routing Matrix

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One way to display a log file stored on the local Routing Engine of any of the individual platforms in a routing matrix (T640 routing nodes or TX Matrix platform) is to log in to a Routing Engine on the platform, enter JUNOS CLI operational mode, and issue the **show log** or **file show** command described in [Displaying a Log File from a Single-Chassis System](#).

To display a log file stored on a T640 routing node during a terminal session on the TX Matrix platform, issue the **show log** or **file show** command and add a prefix that specifies the T640 routing node's LCC index number as **lccn**, followed by a colon. The index can be from 0 (zero) through 3:

```
user@host> show log lccn:log-filename  
user@host> file show lccn:log-file-pathname
```

By default, the **show log** and **file show** commands display the specified log file stored on the master Routing Engine on the T640 routing node. To display the log from a particular Routing Engine, prefix the file- or pathname with the string **lccn-master**, **lccn-re0**, or **lccn-re1**, followed by a colon. The following examples all display the `/var/log/messages` file stored on the master Routing Engine (in slot 0) on routing node LCC2:

```
user@host> show log lcc2:messages  
user@host> show log lcc2-master:messages  
user@host> show log lcc2-re0:messages  
user@host> file show lcc2:/var/log/messages
```

If the T640 routing nodes are forwarding messages to the TX Matrix platform (as in the default configuration), another way to view messages generated on a T640 routing node during a terminal session on the TX Matrix platform is simply to display a local log file. However, the messages are intermixed with messages from other T640 routing nodes and the TX Matrix platform itself. For more information about message forwarding, see [Messages Logged When Local Severity Level Is Lower](#), [Messages Logged When Local Severity Level Is Higher](#), and [Messages Logged When Local and Forwarded Severity Level Are the Same](#).

For information about the fields in a log message, see [Interpreting Messages Generated in Structured-Data Format](#), [Interpreting Messages Generated in Standard Format by Services on a PIC](#), and [Interpreting Messages Generated in Standard Format by a JUNOS Process or Library](#). For examples, see [Examples: Displaying a Log File](#).