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traceoptions (Event Scripts)

🗓 27-Jun-18   ⓘ **Platform and Release Support**

Syntax

```
traceoptions {
    file <filename> <files number> <size size> <world-readable | no-world-readable
    flag flag;
    no-remote-trace;
}
```

Hierarchy Level

```
[edit event-options event-script]
```

Release Information

Statement introduced in Junos OS Release 7.6.

Statement introduced in Junos OS Release 9.0 for EX Series switches.

Statement introduced in Junos OS Release 13.2X51-D10 for QFX Series switches.

Description

Define tracing operations for event scripts.

Default

If you do not include this statement, the default operation during script execution is to log important events in the default trace file `/var/log/escript.log`, because the traceoptions `events` flag is turned on by default, regardless of the configuration settings. When the file reaches 128 kilobytes (KB), it is renamed and compressed.

Options

file *filename*—Name of the file to receive the output of the tracing operation. All files are placed in the directory `/var/log`. By default, event script process tracing output is placed in the file `escript.log`. If you include the `file` statement, you must specify a filename. To retain the default, you can specify `escript.log` as the filename.
Default: `/var/log/escript.log`

files *number*—(Optional) Maximum number of trace files. When a trace file named `trace-file` reaches its maximum size, it is renamed and compressed to `trace-file.0.gz`. When `trace-file` again reaches its maximum size, `trace-file.0.gz` is renamed `trace-file.1.gz` and `trace-file` is renamed and compressed to `trace-file.0.gz`. This renaming scheme continues until the maximum number of trace files is reached. Then the oldest trace file is overwritten.
If you specify a maximum number of files, you also must specify a maximum file size with the `size` option and a filename.

Range: 2 through 1000

Default: 10 files

flag *flag*—Tracing operation to perform. The `events` flag is turned on by default, regardless of the configuration settings. You can include the following flags. To specify more than one tracing operation, include multiple `flag` statements.

- `all`—Log all operations

- `events`—Log important events, including errors, warnings, progress messages, and script processing events

- `input`—Log event script input data

- `offline`—Generate data for offline development

- `output`—Log event script output data

- `rpc`—Log event script RPCs

- `xslt`—Log the XSLT library

Default: `events`

no-world-readable—Restrict file access to owner. This is the default.

size *size*—(Optional) Maximum size of each trace file, in kilobytes (KB), megabytes (MB), or gigabytes (GB). When a trace file named `trace-file` reaches this size, it is renamed and compressed to `trace-file.0.gz`. When `trace-file` again reaches its maximum size, `trace-file.0.gz` is renamed `trace-file.1.gz` and `trace-file` is renamed and compressed to `trace-file.0.gz`. This renaming scheme continues until the maximum number of trace files is reached. Then the oldest trace file is overwritten.
If you specify a maximum file size, you also must specify a maximum number of trace files with the `files` option and a filename.

Syntax: *size* to specify bytes, *size*k to specify KB, *size*m to specify MB, or *size*g to specify GB

Range: 10 KB through 1 GB

Default: 128 KB

world-readable—Enable unrestricted file access.

Required Privilege Level

maintenance—To view this statement in the configuration.

maintenance-control—To add this statement to the configuration.

Related Documentation

- [Tracing Event Script Processing](#)

- [Dampening Script Execution](#)

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