traceoptions

Syntax
```
traceoptions {
    file name <size size> <files number> <world-readable | no-world-readable>;
    flag flag <flag-modifier> <disable>;
}
```

Hierarchy Level   [edit protocols isis],
[edit protocols (ospf | ospf3)]

Release Information   Statement introduced before JUNOS Release 7.4.
graceful-restart flag for IS-IS and OSPF/OSPFv3 added in JUNOS Release 8.4.

Description   Define tracing operations that graceful restart functionality in the router.

To specify more than one tracing operation, include multiple **flag** statements.

Default   If you do not include this statement, no global tracing operations are performed.

Options   disable—(Optional) Disable the tracing operation. You can use this option to disable a single operation when you have defined a broad group of tracing operations, such as **all**.

file *name*—Name of the file to receive the output of the tracing operation. Enclose the name within quotation marks. All files are placed in the directory **/var/log**. We recommend that you place global routing protocol tracing output in the file **routing-log**.

files *number*—(Optional) Maximum number of trace files. When a trace file named *trace-file* reaches its maximum size, it is renamed *trace-file*.0, then *trace-file*.1, and so on, until the maximum number of trace files is reached. Then the oldest trace file is overwritten.
Range: 2 through 1000 files
Default: 2 files

If you specify a maximum number of files, you also must specify a maximum file size with the **size** option.

flag *flag*—Tracing operation to perform. To specify more than one tracing operation, include multiple **flag** statements. The nonstop active routing tracing option is:

■   **graceful-restart**—Tracing operations for nonstop active routing

no-world-readable—Restrict users from reading the log file.

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 *trace-file*.0. When the *trace-file* again reaches its maximum size,

trace-file.0 is renamed *trace-file*.1 and *trace-file* is renamed *trace-file*.0. This renaming scheme continues until the maximum number of trace files is reached. Then the oldest trace file is overwritten.

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

Range: 10 KB through the maximum file size supported on your system

Default: 128 KB

If you specify a maximum file size, you also must specify a maximum number of trace files with the **files** option.

world-readable—Allow users to read the log file.

Required Privilege Level routing and trace—To view this statement in the configuration.
routing-control and trace-control—To add this statement to the configuration.

Related Topics ■ Tracking Graceful Restart Events

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