



Specify trace settings

NetApp SMI-S Provider

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Having tracing enabled is important for gathering information for troubleshooting. However, having tracing enabled can impact performance, so carefully consider what must be traced and how long you need tracing enabled.

Before you begin

- You must already have login credentials as Administrator.
- You must already have logged in to the host system as Administrator.

Steps

1. Access NetApp SMI-S Provider.
2. Specify various trace settings as applicable:

| Action | Command |
|--|--|
| Specify the components to be traced | <code>cimconfig -s traceComponents=<i>components</i> -p</code> |
| Specify the trace facility | <code>cimconfig -s traceFacility=<i>facility</i> -p</code> |
| Specify the location of the trace file | <code>cimconfig -s traceFilePath=<i>path_name</i> -p</code> |
| Specify the trace level | <code>cimconfig -s traceLevel=<i>level</i> -p</code> |

3. Restart the CIM server:

```
smis cimserver restart
```

Trace setting values

You can specify the components to trace, the trace target, and the level of tracing. Optionally, you can change the name and location of the trace file if you do not want to use the default trace file name and location.

You can configure the following trace settings:

- **traceComponents**

Specifies the components to be traced. By default, all components are traced.

- **traceFacility**

Specifies the target to which trace messages are written:

- File

This is the default value, which specifies that trace messages are written to the file specified by the `traceFilePath` configuration option.

- **Log**

Specifies that trace messages are written to the `cimserver_standard` log file.

- **traceFilePath**

Specifies the location of the trace file. By default, the trace file is named `cimserver.trc` and is located in the `traces` directory.

- **traceLevel**

Specifies the level of tracing. By default, tracing is disabled.

| Trace level | Trace messages written |
|-------------|--|
| 0 | Tracing is disabled. |
| 1 | Severe and log messages. |
| 2 | Basic flow trace messages (low data detail) |
| 3 | Inter-function logic flow (medium data detail) |
| 4 | High data detail |
| 5 | High data detail + Method enter and exit |

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