

## traceoptions

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**Syntax** traceoptions {  
    file <filename> <files number> <match regular-expression > <size maximum-file-size>  
        <world-readable | no-world-readable>;  
    flag flag;  
    level (all | error | info | notice | verbose | warning);  
    no-remote-trace;  
}

**Hierarchy Level** [edit services mobile-ip]

**Release Information** Statement introduced in JUNOS Release 9.3.

**Description** Define tracing operations for Mobile IP processes.

**Options** file *filename*—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*.

flag *flag*—Tracing operation to perform. To specify more than one tracing operation, include multiple *flag* statements. You can include the following flags:

- all—Trace all operations.
- authentication—Trace authentication operations.
- binding—Trace bindings.
- configuration—Trace configuration events.
- event—Trace events.
- home-agent—Trace home agent operations.
- interface-database—Trace interface database operations.
- packet—Trace packet decoding operations.
- protocol—Trace protocol operations.
- rtsock—Trace routing socket operations.
- session-db—Trace session database events.
- signal—Trace signal operations.
- subscriber—Trace subscriber events.
- trace—Trace changes in tracing.
- tunnel—Trace tunneling operations.

level—Level of tracing to perform. You can specify any of the following levels:

- all—Match all levels.
- error—Match error conditions.
- info—Match informational messages.

- **notice**—Match notice messages about conditions requiring special handling.
- **verbose**—Match verbose messages.
- **warning**—Match verbose messages.

**no-remote-trace**—Disable remote tracing.

**Required Privilege Level**

**interface**—To view this statement in the configuration.  
**interface-control**—To add this statement to the configuration.

**Related Topics**

- Configuring Mobile IP
- Configuring Trace Options for Mobile IP