

## Logging Events Messages to a Text File

To set up the SRC-VTA to save event messages in text files:

1. In the VTA Configuration Manager navigation pane, select **Edit**.
2. Under Current Configuration, select **Logging**.
3. In the File section, select a file logging configuration to modify, or type a new file name in the New File box, and click **Create**.

The current file logging configuration appears.

### Current Configuration

Event Handlers	Actions	Processors	Logging	Subscriber ID and Lookup
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#### File

file-1	
Name	Value
Filter	<input type="text" value="/debug-"/>
File Name	<input type="text" value="vta_debug.log"/>
Maximum File Size	<input type="text" value="1000000"/> <input type="button" value="Enable"/>
Rollover File Name	<input type="text" value="vta_debug.alt"/>
<input type="button" value="Save"/>	
<a href="#">file-2</a>	<input type="button" value="Delete"/> <input type="button" value="Disable"/>
<a href="#">file-3</a>	<input type="button" value="Delete"/> <input type="button" value="Disable"/>
New File	<input type="text"/>
<input type="button" value="Create"/>	

4. Edit the file logging fields.

See “File Logging Fields” on page 2 .

5. If you are finished configuring the SRC-VTA, save the configuration to a directory or local file.

See Committing a VTA Configuration to a Directory .

#### Related Topics

- Logging Event Messages for the SRC-VTA
- Logging Events Messages to a System Logging Server

- System Logging Fields
- Example of a Bucket VTA

## File Logging Fields

In VTA Configuration Manager, you can modify the following fields in the File section of the Logging screen.

### Filter

- Filter that determines the type of messages that this log file contains.
- Value—Expression. The software filters events by evaluating each subexpression from left to right. When the software finds a match, it logs or ignores the message accordingly. You can specify an unlimited number of subexpressions. The order in which you specify the subexpressions affects the result. Expressions have the format:

singlematch [,singlematch]

where

singlematch—[!] ( < category > | ([ < category > ]/[ < severity > ] | [ < minimumSeverity > ]-[ < maximumSeverity > ] ) )

- !—Do not log matching events
- < category > —SRC component that generated the event message. To log only events in a specific category, you can define the category, which is a text string that matches the name of a category. The text string is not case sensitive. For the names of categories, view a log file for a default filter. Juniper Networks Technical Assistance Center (JTAC) can also provide category names.
- [ < severity > ] | [ < minimumSeverity > ]-[ < maximumSeverity > ] —Name or number in the range 1–127. A higher number indicates a higher severity level. Table 1 on page 2 shows common severity levels that you can specify by name.

**Table 1: Named Severity Levels**

Name	Severity Level
logmin	1
debug	10
info	20
notice	30
warning	40
error	50

**Table 1: Named Severity Levels** *(continued)*

Name	Severity Level
crit	60
alert	70
emerg	80
panic	90
logmax	127

Enabling debug log messages has a negative affect on system performance. Do not enable debug log messages unless JTAC instructs you to do so.

You can define a severity level as follows:

- Specify an explicit severity. For example:  
warning—Defines only warning messages
- Specify a minimum severity and a maximum severity. For example:  
info-warning—Defines messages of minimum severity level of info and a maximum severity level of warning
- Accept the default minimum (logmin) or maximum (logmax) severity by omitting the minimum or maximum severity. For example:  
info—Defines messages of minimum severity level info and maximum severity level logmax

-warning—Defines messages of minimum severity level logmin and maximum severity level warning

- Specify no severity to log all event messages.
- Default—No value
- Example—Table 2 on page 4 shows some examples of filters.

**Table 2: Examples of Filters for Event Messages**

Syntax	Event Messages Saved
/	All event messages
/info-	Event messages of level info and above from all categories
vta/debug	Debug events from the VTA category only
!vta,/debug	All debug events except those from the VTA category
!VtaMsg/info-,vtaMsg,vta	All messages from the VTA category, except those from VtaMsg category with level less than info

### **Filename**

- Filename that contains the current logs.
- Value—Path and filename of the current log file in the format:  
`<pathname> / <filename.log>`
- Guidelines—Make sure you have write access to the folder.
- Default—By default, SRC components and applications write log files in the folder where the application is started. If you are using the version of JBoss packaged with the SRC software, the pathname is `/opt/UMC/jboss/server/default/log/`.
- Example—`/opt/UMC/jboss/server/default/log/vta_debug.log`

### **Maximum File Size**

- Disables or enables and sets the maximum size of the log file and the rollover file.
- Value—Number of kilobytes in the range 0–4294967295
- Guidelines—Do not set the maximum file size to a value greater than the available disk space.
- Default—1000000

### **Rollover Filename**

- Path and filename of the rollover log file. When the log file reaches the maximum size, the software closes the log file and renames it with the name you specify for the rollover file. If a previous rollover file exists, the software overwrites it. The software then reopens the log file and continues to save event messages in it.
- Value—Path and filename of the rollover log file in the format  
<pathname> / <filename.alt>
- Default—No value
- Example—vta\_debug.alt

