

strongSwan - Feature #3509

Add log level to log message

09.07.2020 23:20 - Harald Dunkel

Status:	Closed	Start date:	09.07.2020
Priority:	Normal	Due date:	
Assignee:	Tobias Brunner	Estimated time:	0.00 hour
Category:	libcharon		
Target version:	5.9.1		
Resolution:	Fixed		

Description

I understand that it might be pretty painful to change the log file format, but do you think it would be possible to show the logging level of each output line in the log files? It could say "[IKE=3]" instead of "[IKE]" (for example), if a message is shown only for logging level 3 or higher. This could help to find the right logging level for each category to fine-tune the charon-logging.conf. If you don't want to see the messages with "IKE = 3" or higher anymore, then you can set "IKE = 2" in the config file. Without this information you have to guess.

openssh does something similar in verbose mode, e.g. for "ssh -v -v" it shows "debug3", "debug2" or "debug1" for the appropriate lines in the verbose output. Very useful.

Associated revisions

Revision a3f5e38b - 27.10.2020 10:42 - Tobias Brunner

file-logger: Optionally log the level of each message

Fixes #3509.

Revision b422f16d - 27.10.2020 10:42 - Tobias Brunner

sys-logger: Optionally log the level of each message

Fixes #3509.

History

#1 - 20.07.2020 16:55 - Tobias Brunner

- Subject changed from *tiny log format change?* to *Add log level to log message*
- Category set to *libcharon*
- Status changed from *New* to *Feedback*

If you use [charon-systemd](#) with its *journal*-logger you already have that information available (*LEVEL* is the field storing the log level, plus they are mapped to priorities in the *PRIORITY* field, see [logging](#)).

For file- and syslog-loggers I had a patch for this somewhere (I think it added an option and the format was [`<group><level>`] e.g. [IKE3]). I'd have to look on my other system to check if it is still around somewhere.

#2 - 21.07.2020 16:27 - Tobias Brunner

For file- and syslog-loggers I had a patch for this somewhere (I think it added an option and the format was [`<group><level>`] e.g. [IKE3]). I'd have to look on my other system to check if it is still around somewhere.

I wasn't able to locate that patch, but I quickly put something together in the *3509-log-level* branch.

#3 - 22.07.2020 08:57 - Harald Dunkel

I have applied the patch on top of 5.8.4 to a gateway in the office: Works very well.

#4 - 23.07.2020 10:00 - Tobias Brunner

- Target version set to 5.9.1

#5 - 27.10.2020 10:43 - Tobias Brunner

- *Status changed from Feedback to Closed*
- *Assignee set to Tobias Brunner*
- *Resolution set to Fixed*