

strongSwan - Issue #3530

Can i run multiple charon daemon on the linux host

30.07.2020 11:01 - shivaraj bhat

Status:	Closed	
Priority:	Normal	
Assignee:	Noel Kuntze	
Category:	configuration	
Affected version:	5.9.0	Resolution: No feedback
Description		
Hi, Is there a way to run multiple charon daemon in the linux host. Say suppose, i have the strongswan folder in /etc/libexec/strongswan/ I initialize the ipsec by running the command - /charon --use-syslog --debug-ike 0 --debug-cfg 0 & - /usr/sbin/swanctl --load-conns - /usr/sbin/swanctl --load-creds Kindly let me know , if we can run 2 charon instances with 2 different input swanctl files. Thanks and Best regards, Shivaraj. Bhat		

History

#1 - 30.07.2020 12:52 - Tobias Brunner

- Status changed from New to Feedback

- Priority changed from High to Normal

Is there a way to run multiple charon daemon in the linux host.

First, why would you want to do that?

Running multiple IKE daemons that want to control the same IPsec/network stack is tricky due to potential conflicts (policies, reqids etc.).

You could, however, use [network namespaces](#).

Kindly let me know , if we can run 2 charon instances with 2 different input swanctl files.

You could use different config files and vici sockets.

#2 - 01.08.2020 13:57 - shivaraj bhat

We have 2 different set of outer IPs towards 2 different hosts and we need to maintain 2 different swanctl configs.

So we need to execute 2 independent charon instances for this requirement in a single linux host.

Kindly let us know how to map a swanctl config file to a charon instance ?

#3 - 02.08.2020 01:34 - Noel Kuntze

You can do that without running two different daemons. Just specify the two different local IPs in the config file, if they are bound to a local interface, or solve it with the routing engine, which you would need to anyway, if your original solution was to use two different processes.

#4 - 03.08.2020 09:59 - shivaraj bhat

Hi Noel,

Thanks for your kind quick response.

I understand, we can specify two different local IPs in the config file and load the charon daemon.

But our requirement is something different.

We will be having 2 different swanctl files(say suppose in different directories in linux host), first one would be loaded statically at the beginning. - no issues for this. We understand.

Second one should be loaded dynamically with different swanctl input file using charon daemon (which will be there in another directory).., so that it would not disturb the 1st swanctl ipsec connectivities.

I hope you get the context now. :)

#5 - 03.08.2020 13:24 - Noel Kuntze

Tzen use the include directive. The included file doesn't need to actually exist when the first file is loaded.

#6 - 02.10.2020 10:33 - Tobias Brunner

- *Category set to configuration*
- *Status changed from Feedback to Closed*
- *Assignee set to Noel Kuntze*
- *Resolution set to No feedback*