Tech-Support Dump

Collect debug information
Procedure :
Step 1. When the issue occurs, please run the command "show tech support" to
package debug information before recovery i.e. reboot switch or "config reload".

```
admin@sonic:~$ show techsupport
omitted...
removed '/var/dump/sonic_dump_sonic_20161103_182033/log/telemetry.log.20.gz'
mkdir: created directory '/var/dump/sonic_dump_sonic_20161103_182033/core'
sonic_dump_sonic_20161103_182033/core/syncd.1478686198.28.core.gz
removed
'/var/dump/sonic_dump_sonic_20161103_182033/core/syncd.1478686198.28.core.gz'
removed directory '/var/dump/sonic_dump_sonic_20161103_182033/log'
removed directory '/var/dump/sonic_dump_sonic_20161103_182033/dump'
removed directory '/var/dump/sonic_dump_sonic_20161103_182033/core'
removed '/var/dump/sonic_dump_sonic_20161103_182033/etc'
removed directory '/var/dump/sonic_dump_sonic_20161103_182033'
/var/dump/sonic_dump_sonic_20161103_182033.tar.gz
admin@sonic:~$
```

Step 2. The dump file is saved to /var/dump. Please send this package to support
team for analyzing.

```
admin@sonic:~$ ls -lh /var/dump/
total 28M
-rw-r--r-- 1 root root 14M Nov 3 18:21 sonic_dump_sonic_20161103_182033.tar.gz
-rw-r--r-- 1 root root 14M Nov 3 18:22 sonic_dump_sonic_20161103_182225.tar.gz
```

Split tech-support file
Zendesk supports file uploads only up to 50 MB in size. Any file exceeding this
limit will result in a failed upload attempt.

You may divide the file into several parts, ensuring each is less than 50 MB, to
facilitate the upload process.

Here we use 7zip for example:

The tech-support file is 60 MB in size, exceeding the direct upload capacity

Step 1. Select "Add to archive" in the "7-Zip" section

Step 2. Enter the size you want to split the file into, let's use "49MB" as an
example. Then press "OK".

Step 3. After processing, the file will be split into new files.

Subsequently, you may upload the split files to Zendesk

Or you can use your own cloud storage space, such as Google Drive.

Appendix:
User can generate the troubleshooting data since given date by specifying --since flag.
admin@sonic:~$ sudo show techsupport --since="yesterday"
Since 202006.2 user can captured debug inoformation without syslog files as following command.
admin@sonic:~$ sudo show techsupport --nolog
Attach excel file is the list about command "show techsupport" (show tech list.xlsx)