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Rocky Enterprise Linux 9.2 Manual Pages on command 'sos.1'

$ man sos.1

sos(1)   General Commands Manual   sos(1)

NAME

    sos - A unified tool for collecting system logs and other debug infor?

    mation

SYNOPSIS

    sos component [options]

DESCRIPTION

    sos is a diagnostic data collection utility, used by system administra?

    tors, support representatives, and the like to assist in troubleshoot?

    ing issues with a system or group of systems.

    The most well known function is sos report or sosreport as it was pre?

    viously known.

    An sos archive is typically requested by support organizations to col?

    lect baseline configuration and system data from which to begin the

    troubleshooting process.

COMPONENTS

    sos supports several subcommands or components. Each provides a differ?

    ent set of information for the user. Supported components are as fol?

lows

report Report generates an archive of system information including con?

figuration files and command output. Information included in the

report is based upon plugins that are activated automatically

when certain criteria, such as installed packages, files, ser?

vices, or system architecture is detected.

See sos report --help and man sos-report for more information.

May also be invoked via the alias rep or the deprecated command

sosreport.

collect

Collect is used to capture reports on multiple systems simulta?

neously. These systems can either be defined by the user at the

command line and/or defined by clustering software that exists

either on the local system or on a "primary" system that is able

to inform about other nodes in the cluster.

When running collect, sos report will be run on the remote

nodes, and then the resulting archives will be copied from those

nodes to the local system running sos collect. Archives are then

removed from the remote systems.

See sos collect --help and man sos-collect for more information.

May also be invoked via the alias sos collector or the depre?

cated command sos-collector.

clean|cleaner|mask

This subcommand takes input of either 1) an sosreport tarball,

2) a collection of sosreport tarballs such as from collect, or

3) the unpackaged directory of an sosreport and obfuscates po?

tentially sensitive system information that is not covered by

the standard postprocessing of sos report.

Such data includes IP addresses, networks, MAC addresses, and

more. Data obfuscated by this command will remain consistent

throughout the report and across reports provided in the same

invocation. Additionally, care is taken to maintain network

topology relationships between matched data items.

See sos clean --help and man sos-clean for more information.

May be invoked via either sos clean, sos cleaner, sos mask, or

via the --clean, --cleaner or --mask options for report and

collect.

help   This subcommand is used to retrieve more detailed information on

the various SoS commands and components than is directly avail?

able in either other manpages or --help output.

See sos help --help and man sos-help for more information.

GLOBAL OPTIONS

sos components provide their own set of options, however the following

are available to be set across all components.

--batch Do not prompt interactively, user will not be prompted for any

data

--encrypt

Encrypt the resulting archive, and determine the method by which

that encryption is done by either a user prompt or environment

variables.

When run with --batch, using this option will cause sos to look

for either the SOSENCRYPTKEY or SOSENCRYPTPASS environment vari?

ables. If set, this will implicitly enable the --encrypt-key or

--encrypt-pass options, respectively, to the values set by the

environment variable. This enables the use of these options

without directly setting those options in a config file or com?

mand line string. Note that use of an encryption key has prece?

dence over a passphrase.

Otherwise, using this option will cause sos to prompt the user

to choose the method of encryption to use. Choices will be

[P]assphrase, [K]ey, [E]nv vars, or [N]o encryption. If

passphrase or key the user will then be prompted for the respec?

tive value, env vars will cause sos to source the information in

the manner stated above, and choosing no encryption will disable

encryption.

See the sections on --encrypt-key and --encrypt-pass below for

more information.

--encrypt-key KEY

Encrypts the resulting archive that sosreport produces using GPG. KEY must be an existing key in the user's keyring as GPG does not allow for keyfiles. KEY can be any value accepted by gpg's 'recipient' option.

Note that the user running sosreport must match the user owning the keyring from which keys will be obtained. In particular this means that if sudo is used to run sosreport, the keyring must also be set up using sudo (or direct shell access to the ac‐count).

Users should be aware that encrypting the final archive will re‐sult in sos using double the amount of temporary disk space - the encrypted archive must be written as a separate, rather than replacement, file within the temp directory that sos writes the archive to. However, since the encrypted archive will be the same size as the original archive, there is no additional space consumption once the temporary directory is removed at the end of execution.

This means that only the encrypted archive is present on disk after sos finishes running.

If encryption fails for any reason, the original unencrypted ar‐chive is preserved instead.

--encrypt-pass PASS

The same as --encrypt-key, but use the provided PASS for symmet‐ric encryption rather than key-pair encryption.

--config-file CONFIG

Specify alternate configuration file.

-s, --sysroot SYSROOT

Specify an alternate root file system path.

--tmp-dir DIRECTORY

Specify alternate temporary directory to copy data during execu‐tion.

--threads THREADS

    Specify the number of threads sosreport will use for concur?

    rency. Defaults to 4.

-v, --verbose

    Increase logging verbosity. May be specified multiple times to

    enable additional debugging messages.

    The following table summarizes the effects of different ver?

    bosity levels:

      1 (-v)   : Enable debug messages for sos.log. Show individ?

    ual plugins starting.

      2 (-vv) : Also print debug messages to console.

      3 (-vvv) : Enable debug messages for archive file opera?

    tions. Note this will dramatically

        increase the amount of logging.

-q, --quiet

    Only log fatal errors to stderr.

-z, --compression-type {auto|xz|gzip}

    Compression type to use when compression the final archive out?

    put

--help Display usage message.

SEE ALSO

    sos.conf(5)

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AUTHORS & CONTRIBUTORS

    See AUTHORS file in the package documentation.

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