Rocky Enterprise Linux 9.2 Manual Pages on command 'sssd-systemtap.5'

$ man sssd-systemtap.5

SSSD-SYSTEMTAP(5)   File Formats and Conventions   SSSD-SYSTEMTAP(5)

NAME

    sssd-systemtap - SSSD systemtap information

DESCRIPTION

    This manual page provides information about the systemtap functionality in sssd(8).

    SystemTap Probe points have been added into various locations in SSSD code to assist in

    troubleshooting and analyzing performance related issues.

    ?   Sample SystemTap scripts are provided in /usr/share/sssd/systemtap/

    ?   Probes and miscellaneous functions are defined in /usr/share/systemtap/tapset/sssd.stp

      and /usr/share/systemtap/tapset/sssd_functions.stp respectively.

PROBE POINTS

    The information below lists the probe points and arguments available in the following

    format:

    probe $name

      Description of probe point

        variable1:datatype

        variable2:datatype

        variable3:datatype

        ...

  Database Transaction Probes

    probe sssd_transaction_start

      Start of a sysdb transaction, probes the sysdb_transaction_start() function.

        nesting:integer

probestr:string

probe sssd_transaction_cancel

Cancellation of a sysdb transaction, probes the sysdb_transaction_cancel() function.

nesting:integer

probestr:string

probe sssd_transaction_commit_before

Probes the sysdb_transaction_commit_before() function.

nesting:integer

probestr:string

probe sssd_transaction_commit_after

Probes the sysdb_transaction_commit_after() function.

nesting:integer

probestr:string

LDAP Search Probes

probe sdap_search_send

Probes the sdap_get_generic_ext_send() function.

base:string

scope:integer

filter:string

attrs:string

probestr:string

probe sdap_search_recv

Probes the sdap_get_generic_ext_recv() function.

base:string

scope:integer

filter:string

probestr:string

probe sdap_parse_entry

Probes the sdap_parse_entry() function. It is called repeatedly with every received

attribute.

attr:string

value:string

probe sdap_parse_entry_done

Probes the sdap_parse_entry() function. It is called when parsing of received object

is finished.

probe sdap_deref_send

Probes the sdap_deref_search_send() function.

base_dn:string

deref_attr:string

probestr:string

probe sdap_deref_recv

Probes the sdap_deref_search_recv() function.

base:string

scope:integer

filter:string

probestr:string

LDAP Account Request Probes

probe sdap_acct_req_send

Probes the sdap_acct_req_send() function.

entry_type:int

filter_type:int

filter_value:string

extra_value:string

probe sdap_acct_req_recv

Probes the sdap_acct_req_recv() function.

entry_type:int

filter_type:int

filter_value:string

extra_value:string

LDAP User Search Probes

probe sdap_search_user_send

Probes the sdap_search_user_send() function.

filter:string

probe sdap_search_user_recv

Probes the sdap_search_user_recv() function.

filter:string

probe sdap_search_user_save_begin

    Probes the sdap_search_user_save_begin() function.

        filter:string

probe sdap_search_user_save_end

    Probes the sdap_search_user_save_end() function.

        filter:string

Data Provider Request Probes

probe dp_req_send

    A Data Provider request is submitted.

        dp_req_domain:string

        dp_req_name:string

        dp_req_target:int

        dp_req_method:int

probe dp_req_done

    A Data Provider request is completed.

        dp_req_name:string

        dp_req_target:int

        dp_req_method:int

        dp_ret:int

        dp_errorstr:string

MISCELLANEOUS FUNCTIONS

    The information below lists the probe points and arguments available in the following

    format:

    function acct_req_desc(entry_type)

        Convert entry_type to string and return string

    function sssd_acct_req_probestr(fc_name, entry_type, filter_type, filter_value,

    extra_value)

        Create probe string based on filter type

    function dp_target_str(target)

        Convert target to string and return string

    function dp_method_str(target)

        Convert method to string and return string

SAMPLE SYSTEMTAP SCRIPTS

Start the SystemTap script (stap /usr/share/sssd/systemtap/<script_name>.stp), then

perform an identity operation and the script will collect information from probes.

Provided SystemTap scripts are:

dp_request.stp

 Monitoring of data provider request performance.

id_perf.stp

 Monitoring of id command performance.

ldap_perf.stp

 Monitoring of LDAP queries.

nested_group_perf.stp

 Performance of nested groups resolving.

SEE ALSO

sssd(8), sssd.conf(5), sssd-ldap(5), sssd-krb5(5), sssd-simple(5), sssd-ipa(5), sssd-

ad(5), sssd-files(5), sssd-sudo(5), sssd-session-recording(5), sss_cache(8),

sss_debuglevel(8), sss_obfuscate(8), sss_seed(8), sssd_krb5_locator_plugin(8),

sss_ssh_authorizedkeys(8), sss_ssh_knownhostsproxy(8), sssd-ifp(5), pam_sss(8).

sss_rpcidmapd(5) sssd-systemtap(5)

AUTHORS

The SSSD upstream - https://github.com/SSSD/sssd/

SSSD   10/04/2022   SSSD-SYSTEMTAP(5)