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Rocky Enterprise Linux 9.2 Manual Pages on command 'rpc_gss_seccreate.3t'

\$ man rpc_gss_seccreate.3t

RPC_GSS_SECCREATE(3) BSD Library Functions Manual RPC_GSS_SECCREATE(3)

NAME

rpc_gss_seccreate ? create a security context using the RPCSEC_GSS protocol

SYNOPSIS

```
#include <rpc/rpcsec_gss.h>
```

AUTH *

```
rpc_gss_seccreate(CLIENT *clnt, const char *principal, const char *mechanism,  
rpc_gss_service_t service, const char *qop, rpc_gss_options_req_t *options_req,  
rpc_gss_options_ret_t *options_ret);
```

DESCRIPTION

This function is used to establish a security context between an application and a remote peer using the RPSEC_GSS protocol.

PARAMETERS

clnt An RPC handle which is connected to the remote peer

principal The name of the service principal on the remote peer. For instance, a principal such as "nfs@server.example.com" might be used by an application which needs to contact an NFS server

mechanism The name of the GSS_API mechanism to use for the new security context. "kerberos_v5" is currently the only supported mechanism.

service Type of service requested.

rpc_gss_svc_default The default - typically the same as rpc_gss_svc_none.

rpc_gss_svc_none RPC headers only are integrity protected by a checksum.

rpc_gss_svc_integrity RPC headers and data are integrity protected by a checksum.

sum.

`rpc_gss_svc_privacy` RPC headers are integrity protected by a checksum and data is encrypted.

`qop` The name of the Quality of Protection to use for the new security context, or NULL to use the default QOP. "GSS_C_QOP_DEFAULT" is currently the only supported QOP.

`options_req` Extra security context options to be passed to the underlying GSS-API mechanism. Pass NULL to supply default values.

`options_ret` Various values returned by the underlying GSS-API mechanism. Pass NULL if these values are not required.

RETURN VALUES

If the security context was created successfully, a pointer to an AUTH structure that represents the context is returned. To use this security context for subsequent RPC calls, set `clnt->cl_auth` to this value.

AVAILABILITY

The `rpc_gss_seccreate()` function is part of `libtirpc`.

SEE ALSO

`rpc(3)`, `gssapi(3)`, `mech(5)`, `qop(5)`, `rpcsec_gss(3)`

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