

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. | |
| | 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)

AUTHORS

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