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

\$ man rpc_gss_set_callback.3t

RPC_GSS_SET_CALLBACK(3) BSD Library Functions Manual RPC_GSS_SET_CALLBACK(3)

NAME

rpc_gss_set_callback ? Register a security context creation callback

SYNOPSIS

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

bool_t

(*callback)(struct svc_req *req, gss_cred_id_t deleg, gss_ctx_id_t gss_context,
             rpc_gss_lock_t *lock, void **cookie);

bool_t

rpc_gss_set_callback(rpc_gss_callback_t *cb);
```

DESCRIPTION

Register a function which will be called when new security contexts are created on a server.

This function will be called on the first RPC request which uses that context and has the opportunity of rejecting the request (for instance after matching the request credentials to an access control list). To accept the new security context, the callback should return TRUE, otherwise FALSE. If the callback accepts a context, it becomes responsible for the lifetime of the delegated client credentials (if any).

It is also possible to 'lock' the values of service and quality of protection used by the context. If a context is locked, any subsequent requests which use different values for service and quality of protection will be rejected.

PARAMETERS

cb A structure containing the RPC program and version for this callback and a function which will be called when new contexts are created for the given RPC

program and version

req The RPC request using the new context

deleg GSS-API delegated credentials (if any)

gss_context The GSS-API context

lock A structure used to enforce a particular QOP and service. Set lock->locked to TRUE to lock the service and QOP values

cookie The callback function may set *cookie to any pointer sized value. This value can be accessed during the lifetime of the context via `rpc_gss_getcred()`.

RETURN VALUES

Returns TRUE if the callback was registered successfully or FALSE otherwise

AVAILABILITY

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

SEE ALSO

`rpc(3)`, `gssapi(3)`, `rpc_gss_getcred(3)` `rpcsec_gss(3)`

AUTHORS

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BUGS

There is no mechanism for informing a server when a security context has been deleted. This makes it difficult to allocate resources (e.g. to return via the callback's cookie argument).

BSD

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