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***Rocky Enterprise Linux 9.2 Manual Pages on command 'rpc\_svc\_err.3t'***

**\$ man rpc\_svc\_err.3t**

RPC\_SVC\_ERR(3)                    BSD Library Functions Manual                    RPC\_SVC\_ERR(3)

**NAME**

rpc\_svc\_err, svcerr\_auth, svcerr\_decode, svcerr\_noproc, svcerr\_noprog, svcerr\_progrvers, svcerr\_systemerr, svcerr\_weakauth ? library routines for server side remote procedure call errors

**SYNOPSIS**

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

void

```
svcerr_auth(SVCXPRT *xpvt, enum auth_stat why);
```

void

```
svcerr_decode(SVCXPRT *xpvt);
```

void

```
svcerr_noproc(SVCXPRT *xpvt);
```

void

```
svcerr_noprog(SVCXPRT *xpvt);
```

void

```
svcerr_progvers(SVCXPRT *xpvt, rpcvers_t low_vers, rpcvers_t high_vers);
```

```
void
```

```
svcerr_systemerr(SVCXPRT *xpvt);
```

```
void
```

```
svcerr_weakauth(SVCXPRT *xpvt);
```

## DESCRIPTION

These routines are part of the RPC library which allows C language programs to make procedure calls on other machines across the network.

These routines can be called by the server side dispatch function if there is any error in the transaction with the client.

## Routines

See [rpc\(3\)](#) for the definition of the SVCXPRT data structure.

```
svcerr_auth()
```

Called by a service dispatch routine that refuses to perform a remote procedure call due to an authentication error.

```
svcerr_decode()
```

Called by a service dispatch routine that cannot successfully decode the remote arguments (see [svc\\_getargs\(\)](#) in [rpc\\_svc\\_reg\(3\)](#)).

```
svcerr_noproc()
```

Called by a service dispatch routine that does not implement the procedure number that the caller requests.

```
svcerr_noprog()
```

Called when the desired program is not registered with the RPC package. Service implementors usually do not need this routine.

svcerr\_progvers()

Called when the desired version of a program is not registered with the RPC package.

The low\_vers argument is the lowest version number, and high\_vers is the highest version number. Service implementors usually do not need this routine.

svcerr\_systemerr()

Called by a service dispatch routine when it detects a system error not covered by any particular protocol. For example, if a service can no longer allocate storage, it may call this routine.

svcerr\_weakauth()

Called by a service dispatch routine that refuses to perform a remote procedure call due to insufficient (but correct) authentication arguments. The routine calls `svcerr_auth(xprt, AUTH_TOOWEAK)`.

#### AVAILABILITY

These functions are part of `libtirpc`.

#### SEE ALSO

`rpc(3)`, `rpc_svc_calls(3)`, `rpc_svc_create(3)`, `rpc_svc_reg(3)`

BSD

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