svc_register Subroutine

Purpose

Maps a remote procedure.

Library

C Library (**libc.a**)

Syntax

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

svc_register (xprt, prognum, versnum, dispatch, protocol)
SVCXPRT *xprt;
u_long prognum, versnum;
void (*dispatch) ();
int protocol;
```

Description

The **svc_register** subroutine maps a remote procedure with a service dispatch procedure pointed to by the *dispatch* parameter. If the *protocol* parameter has a value of 0, the service is not registered with the **portmap** daemon. If the *protocol* parameter does not have a value of 0 (or if it is **IPPROTO_UDP** or **IPPROTO_TCP**), the remote procedure triple *(prognum*, *versnum*, and *protocol* parameters) is mapped to the **xprt->xp_port** port.

The dispatch procedure takes the following form:

```
dispatch (request, xprt)
struct svc_req *request;
SVCXPRT *xprt;
```

Parameters

xprt	Points to a Remote Procedure Call (RPC) service transport handle.
prognum	Specifies the program number of the remote program.
versnum	Specifies the version number of the remote program.
dispatch	Points to the service dispatch procedure.
protocol	Specifies the data transport used by the service.

Return Values

Upon successful completion, this subroutine returns a value of 1. If unsuccessful, it returns a value of 0.

Implementation Specifics

This subroutine is part of Base Operating System (BOS) Runtime.

Related Information

The **pmap_set** subroutine, **pmap_getmaps** subroutine, **svc_unregister** subroutine.

The **portmap** daemon.

List of RPC Programming References.

TCP/IP Protocols in *AIX Version 4.3 System Management Guide: Communications and Networks*.

Remote Procedure Call (RPC) Overview for Programming in *AIX Version 4.3 Communications Programming Concepts*.