svctcp_create Subroutine

Purpose

Creates a Transmission Control Protocol/Internet Protocol (TCP/IP) service transport handle.

Library

C Library (**libc.a**)

Syntax

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

SVCXPRT *svctcp_create (sock, sendsz, recvsz)
int sock;
u_int sendsz, rcvcsz;
```

Description

The **svctcp_create** subroutine creates a Remote Procedure Call (RPC) service transport handle based on TCP/IP and returns a pointer to it.

Since TCP/IP remote procedure calls use buffered I/O, users can set the size of the send and receive buffers with the *sendsz* and *recvsz* parameters, respectively. If the size of either buffer is set to a value of 0, the **svctcp_create** subroutine picks suitable default values.

Parameters

sock	Specifies the socket associated with the transport. If the value of the *sock* parameter is **RPC_ANYSOCK**, the **svctcp_create** subroutine creates a new socket. The service transport handle socket number is set to **xprt->xp_sock**. If the socket is not bound to a local TCP/IP port, then this routine binds the socket to an arbitrary port. Its port number is set to **xprt->xp_port**.
sendsz	Specifies the size of the send buffer.
recvsz	Specifies the size of the receive buffer.

Return Values

Upon successful completion, this subroutine returns a valid RPC service transport handle. If unsuccessful, it returns a value of null.

Implementation Specifics

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

Related Information

The **registerrpc** subroutine, **svcudp_create** subroutine.

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 Communications Programming Concepts*.

Sockets Overview in *AIX Communications Programming Concepts*.
