clnt_create Subroutine

Purpose

Creates and returns a generic client handle.

Library

C Library (**libc.a**)

Syntax

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

CLIENT *clnt_create (host, prognum, versnum, protocol)
char *host;
unsigned prognum, versnum;
char *protocol;
```

Description

Creates and returns a generic client handle.

Remote Procedure Calls (RPC) messages transported by User Datagram Protocol/Internet Protocol (UDP/IP) can hold up to 8KB of encoded data. Use this transport for procedures that take arguments or return results of less than 8KB.

> **Note:** When the **clnt_create** subroutine is used to create a RPC client handle, the timeout value provided on subsequent calls to **clnttcp_call** are ignored. Using the **clnt_create** subroutine has the same effect as using **clnttcp_create** followed by a call to **clnt_control** to set the timeout value for the RPC client handle. If the timeout paramater is used on the **clnttcp_call** interface, use the **clnttcp_create** interface to create the client handle.

Parameters

host	Identifies the name of the remote host where the server is located.
prognum	Specifies the program number of the remote program.
versnum	Specifies the version number of the remote program.
protocol	Identifies which data transport protocol the program is using, either UDP or Transmission Control Protocol (TCP).

Return Values

Upon successful completion, this subroutine returns a client handle.

Implementation Specifics

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

Related Information

The **clnttcp_create** subroutine, **clntudp_create** subroutine.

The **clnt_control** macro, **clnt_destroy** macro.

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*.
