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May 10th, 2011, 01:56 PM

#1

[dilettante](#) **Thread Starter****PowerPoster**

Join Date: Feb 2006

Posts: 21,297

[VB6] PipeRPC - RPC Over Named Pipes**Title**

PipeRPC, a UserControl providing remote procedure calls over Named Pipes written in VB6.

Description

PipeRPC is a VB6 UserControl that uses Named Pipes to provide a *very easy to use* mechanism to make calls between clients and servers running (a.) in the same machine or (b.) across a Local Area Network.

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No more fighting with the Winsock control.

No more struggling with DCOM (PipeRPC is great for portable applications that use reg-free COM).

None of the ugliness of Web Services.

Feature list

- Client and server functionality in one control.
- Clients can make connected or disconnected (one time) calls.
- Uses Named Pipes, so no firewall rules are required.
- Works whether your LAN is based on TCP/IP, NetBEUI, or IPX/SPX network protocols. No TCP/IP required!
- So easy.... well *anyone* can do it.

Screenshot

N/A since this is not a visible control at runtime.

Author name

Bob Riemersma

System requirements

Requires Windows 2000 or later.

For machine-to-machine operation:

Windows Networking enabled, firewalls must permit Windows Networking traffic ("File and Print Sharing").

A common Workgroup or Domain and common Users. The Windows Client and Server services must be running.

No special processor, disk, or memory requirements. Requires Visual Basic 6.0 development system, preferably Service Pack 6b or later, Standard Edition or better.

License info

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PipeRPC and related materials may be freely distributed in source or binary form as long as the notices are kept intact. Programs using PipeRPC do not require attribution in documentation or at runtime, however there is a Copyright property programs could use to display such information in About dialogs, etc. if desired.

Usage

Add the UserControl to your VB6 project. PipeRPC.rtf contains developer documentation, sample projects are also included in the package.

A Minimal Client and Server

Here is a "calculation client" that passes two operands and an operator to the server and displays the returned result:

Code:

```
Option Explicit

Private Request() As Byte
Private Response() As Byte
Private Operation As String

Private Sub cmdCalculate_Click()
    Request = txtA.Text & "|" & _
        & Operation & "|" & _
        & txtB.Text
    ReDim Response(199)
    pipeCalculate.PipeCall Request, Response
    txtResults.Text = Response
    txtA.SetFocus
End Sub
```

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