

Re: Connect a pipe from asynchronous pluggable protocol?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2008-03/msg00454.htm>

- *From:* "William DePalo [MVP VC++]" <willd.no.spam@xxxxxxxx>
 - *Date:* Thu, 27 Mar 2008 22:29:21 -0400
-

"Bill Holt" <[mailbill\(NOSPAM\)@21cn.com.nospam](mailto:mailbill(NOSPAM)@21cn.com.nospam)> wrote in message <news:CB6C387F-2701-4F15-BA60-7C0DBD3C4BFD@xxxxxxxxxxxxxxxxxxxx>

I don't have any problems creating the server pipe. And I created a test client program to make sure that the pipe server/client model is working correctly.

But I ran into some problem when using the APP to connect. CreateFile keeps failing. GetLastError() returns 5, which means access denied. I suppose it's because I called CreateNamedPipe with NULL as security attribute. I'm wondering what account is APP working under. And I'm using multi-threads that is created with NULL as security too, is that related? How do I setup the security attribute to allow connect from APP? Or is there anything else I should be aware of?

If you specify NULL for the security attributes structure then the pipe is accessible to clients running under the same account as the one used by the server to create the pipe. Now, if your server runs as a service under the local system account then you have a problem accessing it from an interactive session.

How to you want to secure access to access the pipe? If any authenticated user is fine then what you do initialize a security descriptor and set a null discretionary access control list (DACL) into it as I did here:

http://groups.google.com/group/microsoft.public.vc.language/browse_thread/thread/1d52884432bf3715/bec904491174

If you want to do something more clever, I have a video tutorial on discretionary access control lists. I'd like to give you a direct link, instead go here,

<http://www.microsoft.com/click/hellosecureworld/default.aspx>

skip the intro, clock the "movie time" button and choose the DACL video

Regards,

Re: Connect a pipe from asynchronous pluggable protocol?

Re: Connect a pipe from asynchronous pluggable protocol?

Will

.