

Re: Remoting security

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.security/2005-03/0188.html>

From: K. Prafulla (KPrafulla_at_discussions.microsoft.com)

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Hi,

There is nice way by which we can have encrypted communication between client and server in .Net Remoting. You will have to use ClientSink and ServerSink. So all communication which goes over wire, will be encrypted. I guess this will solve your concerns.

There is nice article with example on microsoft site for this by Stephen Toub. <http://msdn.microsoft.com/msdnmag/issues/03/06/NETRemoting/>

This should help you.

Kulkarni Prafulla.

"Rob Teixeira" wrote:

- > *There's nothing particularly special or dangerous about remoting.*
- > *You just have to realize that remoting doesn't have built-in authentication,*
- > *authorization, or encryption (yet). So basically, any remoting call data*
- > *going over a wire can be sniffed. As you say though, that's no different*
- > *than your run of the mill sockets communication (remoting is just really an*
- > *abstraction for sending and receiving serialized data over a socket*
- > *connection). You can encrypt the data on the line by using IPSec or some*
- > *other transport-level encryption (though in your case, the data isn't*
- > *leaving the computer, but this is something to consider for other programs).*
- > *You are also responsible for making sure the client calls don't send*
- > *malicious input to a server call that can create havok – basically, just be*
- > *really diligent in your input validation. You can also use firewall rules to*
- > *keep unwanted traffic away from your server if you ever go beyond the local*
- > *machine.*
- >
- > *If you want windows authentication and authorization, more or less like*
- > *what's available with DCOM/COM+, you can try following this article:*
- > *<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dndotnet/html/remsspi.asp>*
- > *Note that the entire article spans two parts, and the link is for part I.*
- > *Just keep following the links to get to part II.*
- >
- > *–Rob Teixeira*

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>
> *"dr" <dr@discussions.microsoft.com> wrote in message*
> *news:2A79DDE9-92A4-4D32-B6DC-0D919C82BE19@microsoft.com...*
> *> I want to use remoting to talk between two applications on the same PC but*
> *am*
> *> concerned about security.*
> *> What are the security implications of using Remoting locally on a*
> *computer?*
> *> I keep hearing about how it is insecure but is it really any more insecure*
> *> that any sockets for interprocess communication?*
> >
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