

Re: Question on Remote Debugging Manged Code

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> I have read the MSDN documentation and KB articles about setting up remote
> debugging environment and configured corresponding firewall setting. We have
> also installed full remote debugging support on the remote machines. We
> connected to the remote machines through TCP/IP and successfully attached
> the debugger to the remote processes.

Here is the reason – TCP/IP transport only allows to do unmanaged debugging.
The only option for managed debugging is to use DCOM transport (which is
called "Default" in Processes dialog).

> However, the "Module Window" in VS IDE
> show that it failed to "load native symbols from symbol files" for those
> managed assemblies.
>
> Up to this point, I got three question:
> 1. Is it possible to debug managed code remotely?

Yes, via Default (DCOM) transport.

> 2. As it is written in managed code, why it tried to load natvie symbol
> instead of loading them from pdb files?

Because debugging started in native mode.

> 3. If possible, how to load the .pdb files so that the debugger can show
> meaningful information?
>

In addition to using the proper transport, make sure that symbols (.pdb files)
are available on the remote machine (remote debugging of managed applications
requires that). Or a network share can be setup to store symbols, of course.

> In addition to that, after attaching the debugger to the remote processes,
> we tried to break the program through the VS IDE and the processes was
> pasused. However, if we set some breakpoints before compilation and attach
> the debugger again, those breakpoints are skipped. Why would this happen?
>

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Because there were no proper symbols for the components.

Regards,

Oleg

[VC++ MVP <http://www.debuginfo.com/>]

• **References:**

◆ **[Question on Remote Debugging Manged Code](#)**

◇ *From:* Wesoft

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