

RE: precompile

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2006-09/msg01897.html>

- *From:* chaz <chaz@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 14 Sep 2006 09:49:03 -0700
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Hi Walt,

The server doesn't have the re-distribution package installed. Where do I get this ? Do you have a download link that works, the only one I found wasn't available for download anymore ..

Thanks,
chaz

"Walter Wang [MSFT]" wrote:

Hi Chaz,

Let's deal with the error first.

One possible cause is you didn't have VJ# redistrib package installed. The type "Microsoft.VJSharp.VJSharpCodeProvider" should be located at %windir%\Microsoft.NET\Framework\v2.0.50727\VJSharpCodeProvider.DLL; also there should have a subfolder named "Microsoft Visual J# 2.0 Redistributable Package."

Do you have installed both 32-bit and 64-bit CLR? Make sure the version you're using have installed VJ# redistrib package correctly.

By design, aspnet_compiler.exe will try to load all CodeProvider specified in machine.config (or machine.config.comments). If the webform is compiled on the first time, only the specified code provider will be used. I think this answers your first question Q1.

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By default, each public resource of an ASP.NET site is compiled on the fly only upon its first request. This introduces a first-hit delay as a result of the compilation process. Site precompilation brings a double benefit: no delay for requests because of compilation and no need of deploying source code to the Web server. Precompilation comes in two forms, each targeting a specific scenario: in-place and deploy precompilation. The former prepares all the resources in a site to be served without delay. It generates all

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needed dynamic assemblies for all pages and resources that need be compiled. In-place precompilation occurs on an already deployed application. It generates a site layout made only of assemblies that can be packaged and deployed to a production machine. This form of precompilation occurs on a development machine and is suited for out-of-box sites that, like classic Windows executable files, are not subject to dynamic changes.

In-place precompilation is merely a form of performance improvement. Precompilation ensures that each page is accessed and each required dynamic assembly is created.

In-place precompilation is analogous to manually requesting all the pages on the site to make sure all the code is compiled.

Sincerely,
Walter Wang (wawang@xxxxxxxxxxxxxxxxxxxxxx, remove 'online.')

Microsoft Online Community Support

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