

RE: Need to share data asynchronously between ASP.NET and Legacy System

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What you might want to look at as a good starting point would be the Caching Application Block provided by the Patterns and Practices group at Microsoft. The block implements caching expiration by creating a background thread that wakes up when an expiration takes place. The approach that they take (which is basically to create a thread in Application_Start) would do what you're looking to accomplish, I believe.

Hope that helps.

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Bruce Johnson [C# MVP]

<http://www.objectsharp.com/blogs/bruce>

"inetmug" wrote:

> Hello:

>

> I am using ASP.NET as our front end. I also have to interface to some
> legacy systems that use a callback mechanism. The legacy systems use
> callbacks (via CORBA) to communicate back to clients. The ASP.NET web pages
> will initiate communication with the legacy backend, but results from the
> backend will often take quite some time and will be asynchronous in nature in
> their return. We have successfully created a prototype that integrates .NET
> and ASP.NET with the CORBA backend using the IONA Artix product. Its works
> very nicely and is fully based on Web Services and is transport agnostic.

>

> I want to take this prototype and create an application, or separate thread
> in IIS that can access the legacy systems, handle the callbacks, and store
> the results of the callbacks so that subsequent requests can access the data,
> or client based applets or J# Browser Controls on the client can listen for
> the data. I am looking for a method to share data between the standard
> ASP.NET HTTP pipeline and this legacy handling thread, or application.
> Things that come to mind is the ASP.NET cache, application state, or some
> other state mechanism. The issue is this is really not state, but data that
> is returned from the asynchronous callbacks. I have looked into to
> IHttpAsyncHandler but it looks like that mechanism really exists to offload
> the CLR threadpool so more requests can be handled (makes perfect sense).

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- > What I need is a thread running that is not associated with any specific
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