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Advantages in migrating from ASP to ASP.NET

By Balaji

Advantages in migrating from ASP to ASP.NET by Balaji

Advantages in migrating from ASP to ASP.NET

ASP to ASP.NET migration can be done by just changing the extension from .asp to .aspx. But before transporting or migrate an .asp file to .aspx, you might think twice the necessity of changing the file. The first advantage is that ASP.NET applications can handle two to three times the request per second as compared to ASP applications. This will certainly increase the performance of ASP.NET applications. The second advantage will be that all the processes are monitored by ASP.NET runtime so that if any one process leaks, a new process can be created in its place. This will help ASP.NET applications to be continuously available to manage requests.

The third and the biggest advantage is the productivity time for an application. The in-built server controls and event handling helps developers to easily create applications. Moreover, the code behind feature in ASP.NET applications separates the design page with the code page. The compiled execution makes the ASP.NET applications much faster than ASP and the output caching feature eliminate the need to query the database each time the request is made.

You can migrate from ASP application to ASP.NET application in two ways: Horizontal migration and Vertical migration. In Horizontal application, one complete tier of the code has to be replaced. In Vertical application, you have to modify every piece of the application through all n-tiers. You can also migrate to ASP.NET application by just changing the file extension. But this requires the VBScript to be changed to VB.NET. In case, you do not want to integrate an ASP application to ASP.NET, you can run both the application on the same server. They both have completely different processing engines.

Thus, ASP to ASP.NET migration means complete object-oriented programming structure, easy maintenance, reusable code, automatic documentation from reverse engineering, ASP.NET controls, and multiple-language debugger.

To access online version of the above article, go to <http://www.dotnet-guide.com/migration.html>

Visit <http://www.dotnet-guide.com> for a complete introduction to .NET framework. Learn about ASP.NET, VB.NET, C# and other related technologies.

Understanding Custom Server Controls in ASP.NET

By Balaji

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Understanding Custom Server Controls in ASP.NET

ASP.NET offers many server controls for the developers to create web applications. However, at some point of development time when the developer does not get the control they want, they can create a new server control. This new server control can be called ASP.NET Custom Server Controls or user control. The basic difference between a ASP.NET Custom Server Controls and a user control is that unlike a user control that does not appear in the Toolbox, you can view a ASP.NET Custom Server Controls in the Toolbox. ASP.NET Custom Server Controls have their own events such as Enter, Onclick, and Onmouseover.

ASP.NET Custom Server Controls are very handy tool to use in your web forms. User controls prove inefficient in advanced scenarios. ASP.NET Custom Server Controls are the compiled code that makes them user friendly. You should write the ASP.NET Custom Server Controls in code, thereby view it in the visual designer with full properties and design-time features. You can create a ASP.NET Custom Server Controls by inheriting one of the base control classes. These classes have all the functionality that is needed for a server control. Therefore, you just have to modify some of the programming aspects to suit your requirements.

Just as you have created a ASP.NET Custom Server Controls you can customize it too to create a unique identity. You can even consume a single ASP.NET Custom Server Controls for multiple web forms. For ASP.NET Custom Server Controls only one copy of the control is needed in the Global Assembly Cache (GAC). Moreover, ASP.NET Custom Server Controls are very helpful if you want a dynamic layout for your web application.

To access online version of the above article, go to <http://www.dotnet-guide.com/customcontrols.html>

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