ASP.NET DEPLOYMENT

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Structure of ASP.NET Applications

- Distinguishing Between Physical Path and URL
- Storing Application-Specific Configuration Settings

Storing Application-Specific Configuration Settings

ASP.NET provides a special section of the Web.config and machine.config files called *appSettings*, which allows you to store application-specific configuration settings as a set of key/value pairs.

```
<appSettings>
    <add key="myConfigKey" value="myConfigValue" />
</appSettings>
```

When your application starts up, ASP.NET caches the values of the *appSettings* section in a string collection called *ConfigurationSettings.AppSettings*. You can access these settings by passing the desired key to this collection, as shown here:

```
Label1.Text = ConfigurationSettings.AppSettings["myConfigKey"];
```

Deploying a Web Application Manually

- Setting Up the Target Deployment Directory
- Copying Files to the Target Directory
- Registering Component

Copying Files to the Target Directory

Deploying static content (such as HTML pages and images), Web Forms pages, user controls, and code-behind classes is as simple as copying them from the development application directory to the deployment target directory

```
xcopy c:\inetpub\wwwroot\ASPNetApp1 x:\ /E /K /O
```

The parameters passed to XCOPY are as follows:

/E specifies that all subdirectories are to be copied, whether empty or not.

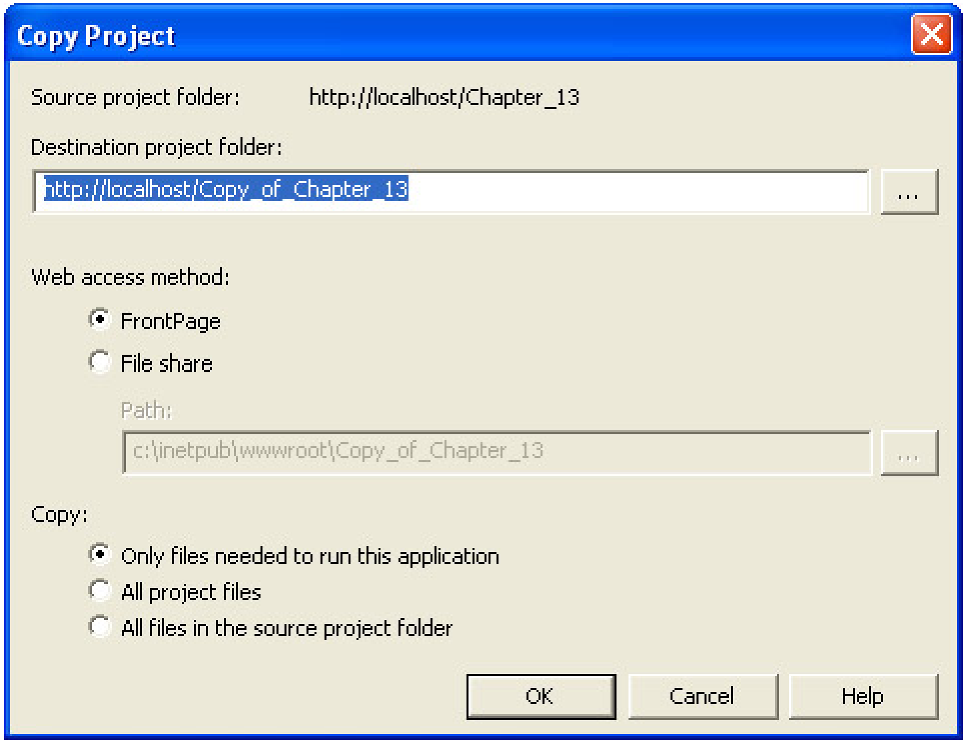
/K specifies that file and directory attributes on the destination should be set to match the source.

/O specifies that ownership and ACL information should be copied to the destination. This is useful when using domain accounts to set ACLs.

Deployment Options in Visual Studio .NET

- Using Copy Project to Deploy a Web Application
- Using a Web Setup Project to Deploy a Web Application

Using Copy Project to Deploy a Web Application



Copy Project

Source project folder: http://localhost/Chapter_13

Destination project folder: http://localhost/Copy_of_Chapter_13

Web access method:

● FrontPage

○ File share

Path: c:\inetpub\wwwroot\Copy_of_Chapter_13

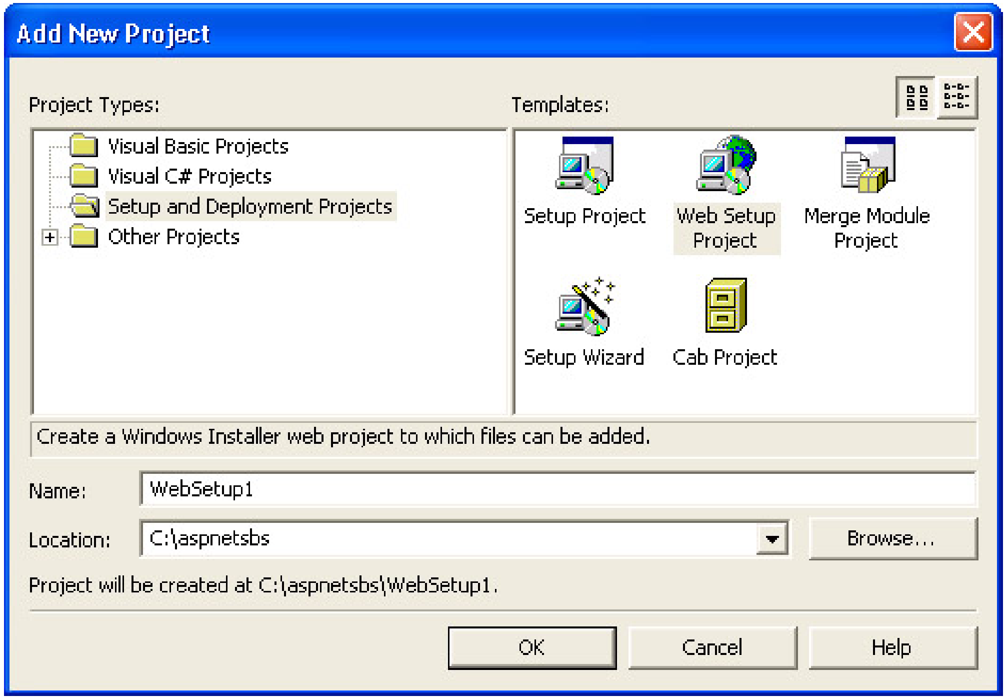
Copy:

● Only files needed to run this application

○ All project files

○ All files in the source project folder

Using a Web Setup Project to Deploy a Web Application



Add New Project

Project Types:

- Visual Basic Projects
- Visual C# Projects
- Setup and Deployment Projects
- Other Projects

Templates:

- Setup Project
- Web Setup Project
- Merge Module Project
- Setup Wizard
- Cab Project

Create a Windows Installer web project to which files can be added.

Name: WebSetup1

Location: C:\aspnetsbs

Project will be created at C:\aspnetsbs\WebSetup1.

DEMO