

Internet Programming with XML

Creating and Deploying Web Services in .NET

Module Objectives

- Understand .NET Framework and the common language runtime
- Build, deploy and run Web Services using ASP.NET
- Create clients for XML Web Services

Reading Assignments:

- **Teach Yourself Web Services in 24 Hours:** Part III, page 215 - 249
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Required Software for Building, Deploying and Running Web Services in .NET

- The .NET Framework may be installed as a web download. Note, the .NET Framework is installed by default on Windows Server 2003 and Windows Vista. It is also provided as a Windows 2000 and Windows XP update from the Windows Update Service.
 - [Click here to see if you have the .NET Framework installed.](#)
(Requires IE 5.5 or later.)
 - [Click here to download the .NET Framework](#)
- If you do not have MS Visual Studio 2005 or later, and if you want to create Web sites with ASP.NET versions 1.0 and 1.1, [ASP.NET Web Matrix](#) is a free, community-supported, easy-to-use WYSIWYG application development tool for ASP.NET from Microsoft, and runs on Windows Server 2003, Windows 2000, and Windows XP operating systems.
For creating Web sites with the current release of ASP.NET version 2.0, the free development tool is [Visual Web Developer 2005 Express Edition](#).

MSDN .NET Framework Developer's Guide

Creating XML Web Services Using ASP.NET with MS Visual Studio 2003/.NET Framework 1.1

- [Building XML Web Services Using ASP.NET](#)
- [Building XML Web Services Using ASP.NET Basics](#)
- [Declaring an XML Web Service](#)
- [Defining XML Web Service Methods](#)
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- [Managing State in XML Web Services Created Using ASP.NET](#)
- [Design Guidelines for XML Web Services Created Using ASP.NET](#)
- [XML Web Services Publishing and Deployment](#)
- [Deploying XML Web Services](#)
- [Enabling Discovery for an XML Web Service](#)
- [Configuration Options for XML Web Services Created Using ASP.NET](#)
- [Building XML Web Service Clients](#)
- [Discovering XML Web Services](#)
- [Creating an XML Web Service Proxy](#)
- [Creating Clients for XML Web Services](#)
- [Exploring Existing XML Web Services Created Using ASP.NET](#)
- [Communicating with XML Web Services Asynchronously](#)
- [Accessing XML Web Services from a Browser](#)

Hands-on Assignment:

- [Final Project](#) due **Week 12**