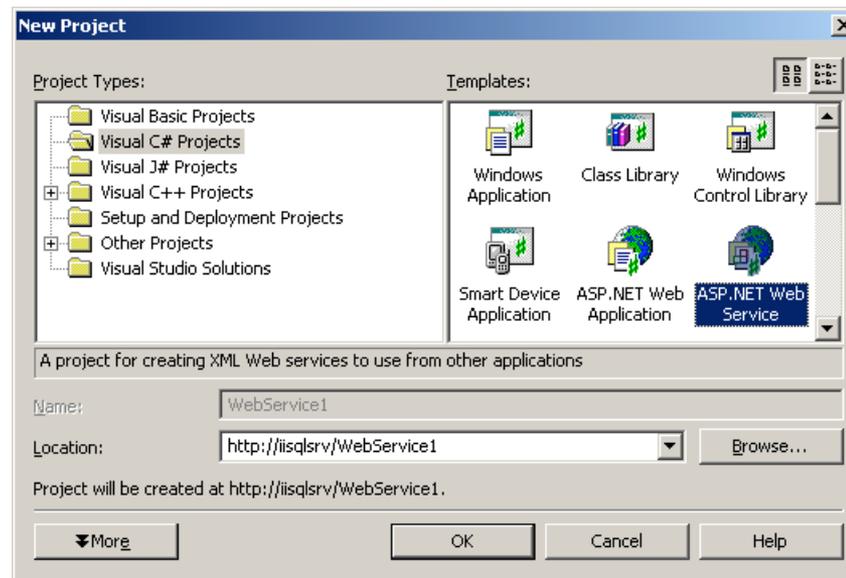# Project Tools

CSE 403, Spring 2004
Software Engineering

Creating Web Service Project

- File → New → Project → ASP.NET Web Service

Implementing Your Web Service

- Rename Service1.asmx

- Open code view of asmx file

- Code, Test, Code, Test …

- Add [WebMethod] tag to methods you want to expose through your Web Service
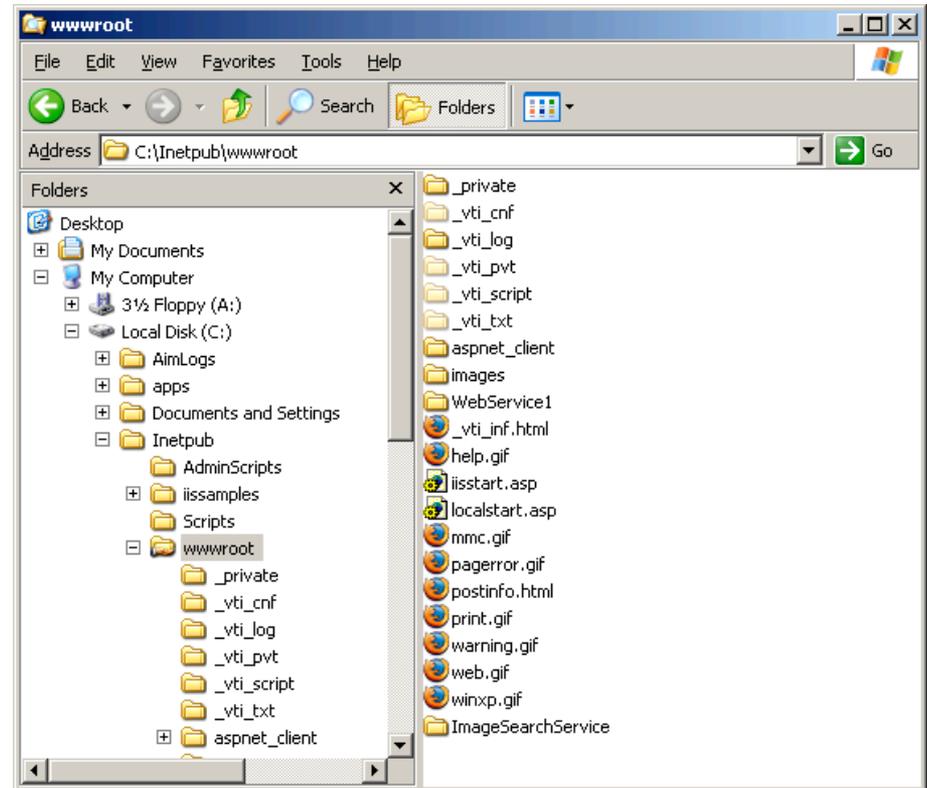
```
[WebMethod]
public string HelloWorld()
{
    return "Hello World";
}
```

Working in the Labs

- Lab machines have their own IIS server

- Develop and test your Web Services locally

- However, lab machines reimage themselves upon logout
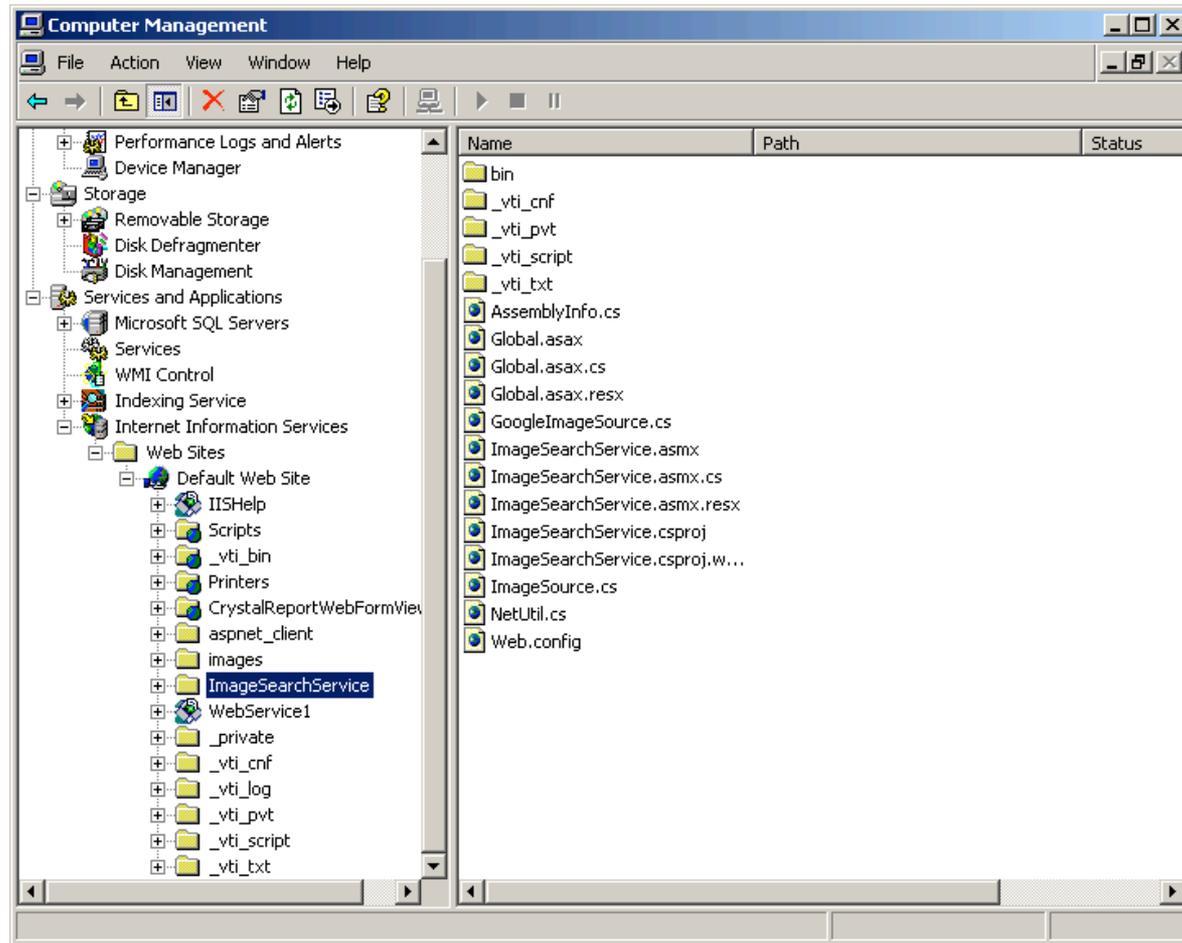
Working in the Labs (cont.)

- Check out project from source repository

- Copy project into IIS root usually at C:\Inetpub\wwwroot

Working in the Labs (cont.)

- Open Computer Management

- Services and Applications → Internet Information Services → Web Sites → Default Web Sites

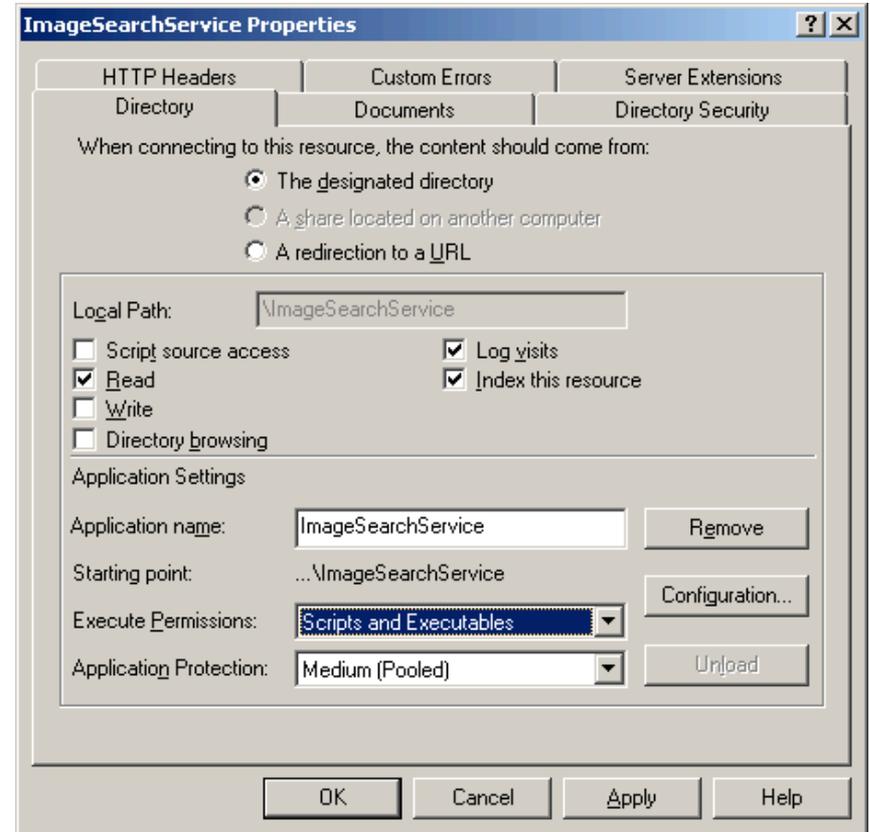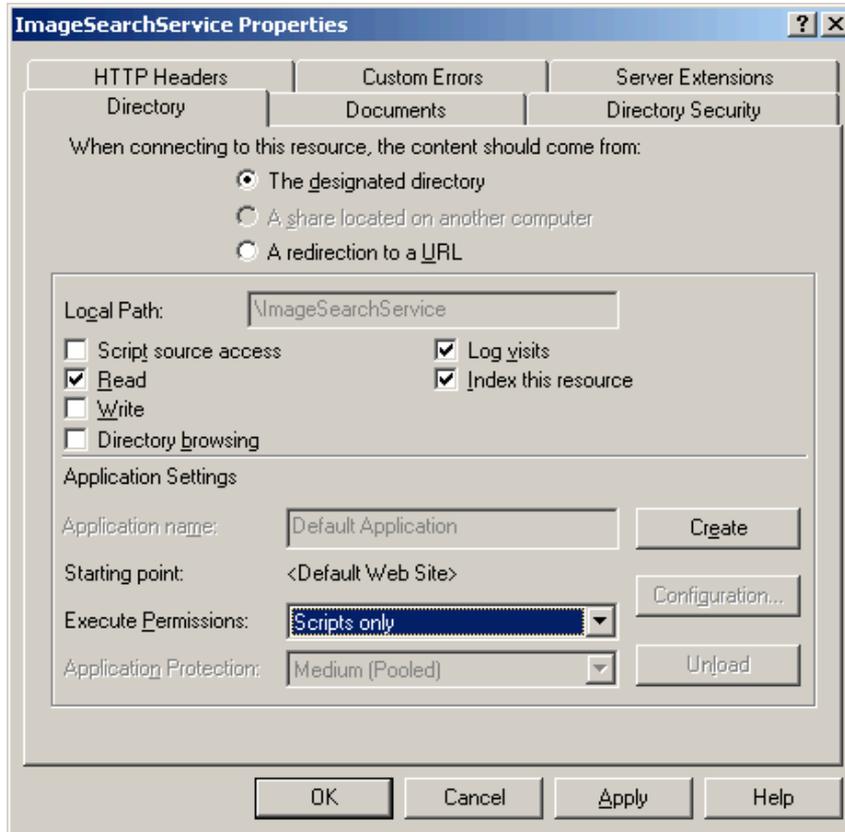- Right Click on your project directory and choose Properties

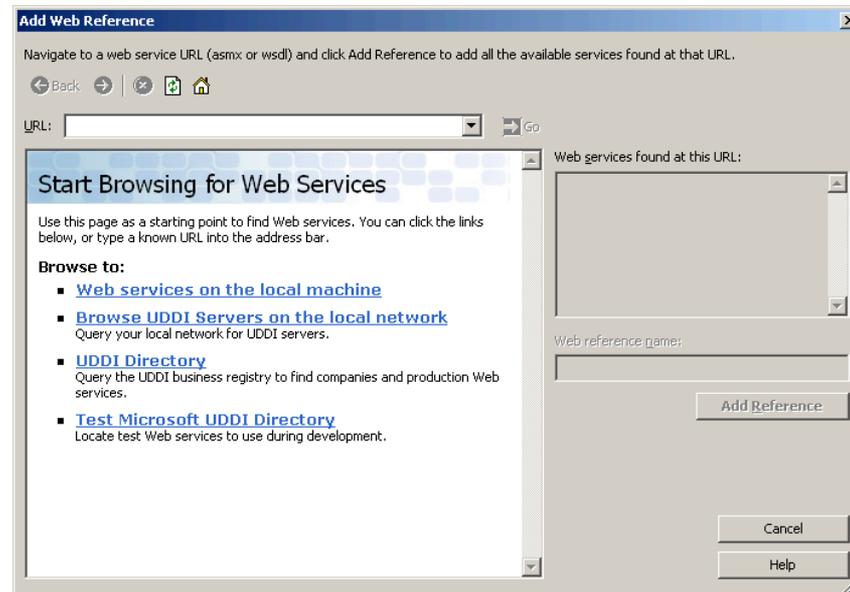# Working in the Labs (cont.)

Working in the Labs (cont.)

- In the Directory tab, there is an Application Settings section

- Click the Create button and change the "Execute Permissions" menu to "Scripts only"

- Open your project in Visual Studio and you're ready to go!

Working in the Labs (cont.)

Using Web Services

- Project → Add Web Reference

• Use your own web services on local machine or point to a wsdl file on the web

– http://api.google.com/GoogleSearch.wsdl

Using Web Services (cont.)

- Make give the web service a name that is easy to use

- Methods exposed by the web service can be called through the stub class generated by Visual Studio

```
ExampleWebService ws = new ExampleWebService();
Object obj = ws.exampleMethod();
```