

C#

1. Introducing Web Services

- What Web Services Do
- Web Service Infrastructure and

2. Protocols

- ASP.NET and Web Services
- Building and Consuming Simple Web

3. Services

- Industry Standard Web Services
- Using SOAP Trace

4. SOAP and WSDL

- Background to SOAP
- The SOAP Specification
- Understanding SOAP Payloads
- Data Types and SOAP

5. .NET Remoting

- .NET Remoting Compared to DCOM
- Remoting using SOAP
- Channels and Formatters
- Comparing ASP.NET and .NET

6. Remoting for building Web Services

- Configuring .NET Remoting
- Activation Options

7. GXA Global XML

- Web Service Architecture
- Business Use of Web Services
- Web Service 'Fortresses'

- B2B Web Service Integration
- Web Service Transactions □ XML Schema
- Document/Literal and RPC/Encoded

8. Web Services

- Background to WSDL
- Reading WSDL contracts
- UDDI

9. Designing and Building Web Services

- Web Service Performance and

10.Characteristics,

- Web Services and State Management,
- Securing Web Services,
- IIS and ASP.NET Security,
- WS-Security,
- Customising the WSDL contract,
- Real-world Web Service design issues.
- Web Services and DataSets,
- Calling Web Services through
- firewalls.
- GXA Protocols

11.Web Service Clients

- Calling Web Services Asynchronously
- Writing a Visual Basic 6 Web Service