

WCF

Introduction to WCF

- What is WCF?
- Address, Binding and Contract
- WCF Services and Clients
- IIS Hosting
- WCF Architecture

Addresses and Bindings

- Addresses
- Bindings
- Message Exchange Patterns
- Configuring Bindings
- Interoperating with ASMX Web Services
- Hosting in a Console Application
- Channel Factories
- Multiple Endpoints

Service Contracts

- Defining Service Contracts
- Defining Operation Contracts
- Services With Multiple Contracts
- Contract Inheritance
- Operation Overloading

Instance Management

- Using Per-Call Services
- Using Per-Session Services
- Using Singleton Services
- Configuring Behaviors

Data Contracts

- Implementing Data Contracts
- Mapping Data Contracts to XSD Schema
- Serialization
- Arrays and Generic Collections
- Enums
- Versioning Data Contracts

More about Service Contracts

- Versioning Service Contracts
- Implementing Message Exchange Patterns
- Oneway Contracts
- Duplex Contracts
- Asynchronous Proxies

Handling Errors

- Faults and Exceptions
- Generating and Handling Faults
- Fault Contracts
- Faults and Sessions