Windows Communication Foundation

WCF Essentials

- What is WCF?
- Services
- Addresses
- Contracts
- Hosting
- Metadata Exchange
- Client-Side Programming
- Architecture

Service Contracts

- Operation Overloading
- Contract Inheritance
- Contract Queries

Data Contracts

- Serialisation
- Attributes
- Hierarchy
- Equivalance
- Versioning
- Generics

Instance Management

- Behaviours
- Per-call Services
- Per-session Services
- Singleton Service
- Instance Deactivation
- Durable Services

Operations

- Request-Reply

- One-Way
- Callback
- Events
- Streaming

Faults

- Fault Propagation
- Error Handling

Transactions

- Propagation
- Protocols and Managers
- Transactional Service Programming
- Callbacks

Concurrency Management

- Instance Management
- Service Concurrent Modes
- Concurrent Access
- Resources and Services
- Synchronization
- Queued Services
- Calls
- Transactions
- Instance Management
- Failures
- HTTP Bridge

Security

- Authentication and Authorisation
- Transfer Security
- ID Management
- Intranet and Internet Application
- Auditing

Service Bus

- Azure AppFabric Bus
- Programming
- Bindings
- Cloud as Interceptor
- Authentication