Implementing Services

Brian Noyes
CTO, Solliance (www.solliance.net)
brian.noyes@solliance.net, @briannoyes

pluralsight
hardcore dev and IT training

Outline

Service Implementation Overview

Defining Service Contracts

Defining Data Contracts

Implementing Services

Implementing Services With WCF

- **Create a WCF Service Library project**

- **Define Service Contract**

- **Define Data Contracts for operation parameters and return types**

- **Define the Service implementation class**

Summary

- **Service Contracts are .NET interfaces attributed with [ServiceContract] and [OperationContract]**

- **Parameters and return types from service operations are DataContracts**

- **Data Contracts can be explicit, implicit, or primitives**

- **Service implementation class can use [ServiceBehavior] to drive aspects of its behavior when called as a service**

- **Service instancing / lifetime is an important consideration**
  - Favor PerCall