

WCF Jumpstart

Hello WCF!

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Course Outline

Hello WCF!

Defining Services

Hosting Services

Implementing
Clients

Quick Intro
To Security

Module Outline

WCF Overview

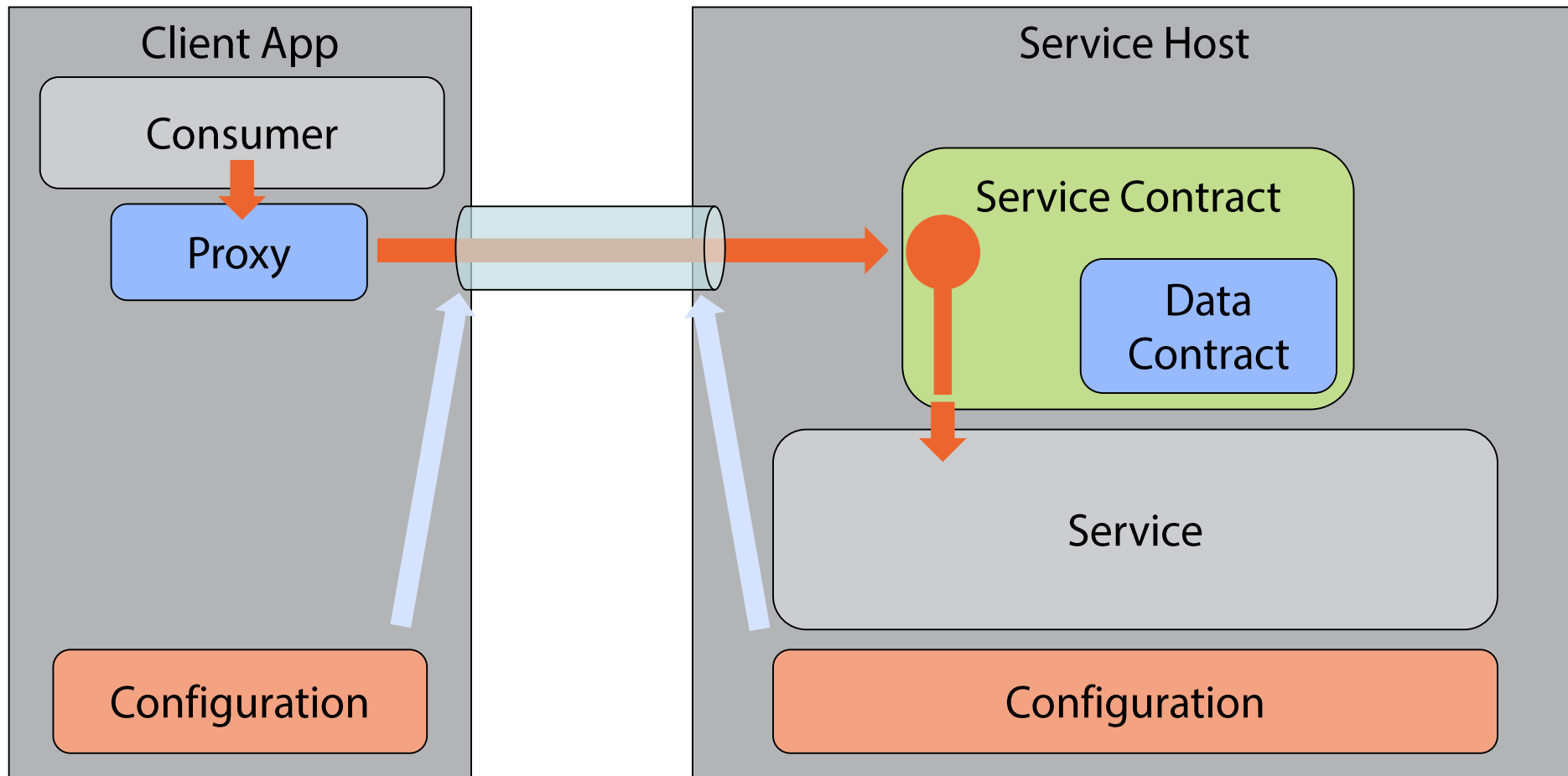
WCF Building
Blocks

Hello WCF
Demos

WCF Overview

- **Windows Communication Foundation**
- **Platform for building distributed, service-oriented applications**
 - Define services and hosts for those services
 - Define clients to connect to services
- **SOAP Messaging**
- **Abstracts your code from wire-level protocol details**
 - Focus on business operations instead of plumbing
- **Make it “easy” for .NET, object-oriented programmers to build distributed, service-oriented applications**
 - Secure
 - Scalable
 - Robust
 - Flexible

WCF Building Blocks



WCF Configuration

- **Endpoints**
 - Address
 - Binding
 - Contract
- **Behaviors**
- **Bindings**

Summary

- **WCF allows you to easily connect clients and services for remote communications**
- **The service boundary is defined through a combination of the Service Contract, Data Contracts, and configuration**
- **Endpoints are composed of an Address, Binding, and Contract**
- **Behaviors configure aspects about how the service behaves when service messages are received**
- **Bindings configure aspects of the communication pipe shared with the client**