

Service Oriented Architecture (SOA) using Windows Communication Foundation (WCF)

(Two day Workshop)

About the Course

In the late 1980's, Object Orientation got started. Currently, there is Service Orientation (SO). To create interoperable services, some tools or APIs are required. WCF is an API by Microsoft that works in the Dot Net framework.

Focus of this workshop is to understand the philosophy behind Service Oriented Architecture (SOA) and also highlight Windows Communication Foundation (WCF) API to get most out of it. Theoretical discussion does not make enough sense, to implement the concepts one has to dirty hands. Enough hands on will be provided during these two days to enhance the skill.

Some additional effort in conjunction with the topics of discussion will make one better poised or eligible to appear for the Microsoft examination, which will be guided during the second day of discussion.

Workshop objectives

At the end of this course, participants will be able to:

- ❖ Understand the philosophy behind Service Oriented Architecture
- ❖ Clear understanding about WCF
- ❖ Be able to implement SOA in projects
- ❖ Consider qualifying the Microsoft Examination (MCTS: Microsoft .NET Framework 4, Windows Communication Foundation Development, Exam Code:- 70-513)

Workshop Contents

The two day workshop would cover the topics as noted below. There would be exercises at appropriate junction points to elaborate and understand the concepts.

- ❖ Introduction
- ❖ Service Oriented Architecture (SOA)
- ❖ Windows Communication Foundation (WCF)
- ❖ Hosting Jargons
- ❖ Developing Robust Applications and Services
- ❖ Implementing Security

- ❖ Performance
- ❖ Message Routing
- ❖ Integration with ASP.NET Clients, Enterprise Components, Workflow Services and RIA services etc.

Note: On the second day, discussion would be held on Microsoft examination related information (MCTS: Microsoft .NET Framework 4, Windows Communication Foundation Development, Exam Code:- 70-513)