

# WCF Syllabus

<b>Introduction to WCF</b>	<b>28 mins</b>
• Introduction to WCF and SOA	28 mins
<b>Developing WCF Service Application and Client</b>	<b>48 mins</b>
• First WCF Application and Client	18 mins
• InstanceContext behavior	11 mins
• Console based Hosting Environment	19 mins
<b>Endpoints in configuration file</b>	<b>55 mins</b>
• Configuration File Settings.	55 mins
<b>Channel Stacks &amp; Bindings in WCF</b>	<b>37 mins</b>
• Types of Bindings	37 mins
<b>Understanding Service and Data Contracts</b>	<b>86 mins</b>
• Service and Data Contracts	56 mins
• DataContract Version Tolerance	10 mins
• Known Types	20 mins
<b>Handling WCF Exceptions/Faults</b>	<b>30 mins</b>
• Exceptions and Faults	30 mins
<b>Message Exchange Patterns</b>	<b>50 mins</b>
• Message Patterns & Oneway Operations	25 mins
• Duplex Pattern (Callback)	25 mins
<b>Transactions in WCF</b>	<b>64 mins</b>
• WCF Transactions	50 mins
• Transactions & Sessions	14 mins
<b>MSMQ</b>	<b>42 mins</b>
• Microsoft Message Queue	42 mins
<b>Security in WCF</b>	<b>134 mins</b>
• Introduction and Messages Encryption Demo	23 mins
• Windows Authentication	16 mins
• Windows Authentication - 2	16 mins
• SSL & Basic Authentication	24 mins
• Authentication using Membership Provider	25 mins
• Role Based Authentication	15 mins

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