WCF Class Content

This document provides the details of WCF topics which will be covered in class.

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1. Difference between Web Services & .net Remoting&& WCF
2. Creating Web Services & .Net Remoting
3. Introduction to WCF
4. Contracts in WCF, different Contracts use.
5. What are bindings, Endpoints and WCF web.Config
6. What is SVC and WSDL
7. Creating WCF Services.
8. Use multiple contracts in WCF
9. DataContracts& Message Contracts
10. Soap faults in WCF
11. Handling Exception & unhandled Exception
12. Strongly typed SOAP faults
13. Error Handling through IERRORHANDLE Interface
14. Different bindings difference
15. Make changes In WCF without breaking clients
16. WCF service endpoint dynamic configuration
17. WCF hosting Types:
    - (i) Self Hosting through console, Self Hosting through windows

(ii) Windows Service ,Hosting WCF Service advantages Vs disadvantages

(iii) Hosting Services in IIS (Advantages disadvantages)

(iv) Windows service Activation (WAS)

18. WCF, Message Exchange Pattern (One Way, Multi Way)
19. WCF using MTOM.
20. Instancing Modes in WCF.(PerCall, PerSession,)
21. WCF Receive SessionId   in WCF service and in client.
22. SessionMode Enumeration in WCF.
23. Single, Multiple, Reentract concurrency Mode in WCF.
24. WCF throttling
25. ExtensionDataObjectIn WCF.
26. WCF Security
27. WCF message protection
28. Authentication in WCF.
29. Configure wsHttpBinding to use Transport security
30. Configure netTcpbinding to use Message Security
31. Configure HTTPS
32. WCF RIA
33. Different Debugging tools for WCF.
34. WCF 4.0 new features.