



**RESEARCH ARTICLE**

## **ADVANTAGES OF WCF OVER WEB SERVICES**

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**Abstract—** *A Web service (WS\*-) is a software system designed to support interoperable machine-to-machine interaction over a network (WSDL) i.e between a client and a service. It has an interface described in a machine-processable format . Other systems interact with the Web service in a manner prescribed by its description using SOAP messages which is a protocol define by world wide web consortium, typically conveyed using HTTP with an XML serialization in conjunction with other Web-related standards. Windows Communication Foundation (WCF) is a framework for building service-oriented applications. Using WCF, you can send data as asynchronous messages from one service endpoint to another. A service endpoint can be part of a continuously available service hosted by IIS, or it can be a service hosted in an application like an .exe file. An endpoint can be a client of a service that requests data from a service endpoint. The messages can be as simple as a single character or word sent as XML document, or as complex as a stream of binary data. In this paper ,We gave the Advantages that are Available by using wcf ,instead of webservices and other.*

**Key Terms:** - *WS\*-Web Service; Internet Information Server (IIS); Windows Activatio Service(WAS); Microsoft Message Queing (MSMQ); Hyper Text Transfer Protocol(HTTP); WCF (Windows Communication Foundation); COM+ (Component Object Model)*

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