

## WCF-Software Requirements

- ◆ WCF enables to create easy endpoints and thus provides a better communication gateway.
- ◆ Below are the requirement tools which is being used to **create and test the WCF Services**.

### 1. Microsoft Visual Studio:

Microsoft Visual Studio is used to create WCF applications. Amongst various versions of **Visual Studio VS 2008 Express edition** is considered suitable and below the link is given to install the application.

<http://www.microsoft.com/express/product/default.aspx>

### Visual Studio 2008 SDK 1.1

<http://www.microsoft.com/downloads/details.aspx?FamilyID=59ec6ec3-4273-48a3-ba25-dc925a45584d...>

- ◆ The version number 3.0 applies to all runtime and reference assemblies for Windows Communication Foundation (WCF), Windows Presentation Foundation (WPF), Windows Workflow Foundation (WF), and Windows CardSpace.



## 2. Visual Studio 2010 (C#):

The version VS2010 and above have the below **in-built features** and provides the best software for WCF code development.

- ◆ Windows SDK's
- ◆ IIS(Internet Information Features)Windows features:
  - ◆ IIS Metabase and IIS 6 configuration utility
  - ◆ IIS management console
  - ◆ ASP.NET

## 3. CodePlex Tools:

### ◆ wscf.blue:

- ⌘ This is a Visual Studio add-in tool.
- ⌘ It is based on "**contract first**" development methodology.
- ⌘ Here the service's operations are defined first, from which the code frame is generated.
- ⌘ Wscf.blue can be downloaded from <http://wscfblue.codeplex.com/>.

### ◆ WCFProxyGenerator:

- ⌘ This is again a Visual Studio add-in tool.
- ⌘ It extends the **client-side generation** for offering additional error handling techniques.



- ⌘ These techniques are managed by communication channel.
- ⌘ WCFProxyGenerator can be downloaded from <http://wcfproxygenerator.codeplex.com/>

### 💧 WCFMock:

- ⌘ This is a tool is used to perform **unit testing** of WCF service's interactions with a **Test Driven Development** (TDD) methodology.
- ⌘ WCFMock can be downloaded from the link from <http://wcfmock.codeplex.com/>

### 💧 WcfStorm:

- ⌘ **WcfStorm** is a **testing tool**.
- ⌘ It is used to perform a **multilevel stress test** on WCF service.
- ⌘ WCFStorm can be downloaded from <http://www.wcfstorm.com>