

## Software and Hardware specifications

| Chapter number | Software required (With version) | Free / Proprietary        | If proprietary, can code testing be performed using a trial version | If proprietary, then cost of the software | Download links to the software  | Hardware specifications   | OS required |
|----------------|----------------------------------|---------------------------|---|---|---|---|-------------|
| 1-3            | Visual Studio 2015 Community     | Free                      |   |   | <a href="https://www.visualstudio.com/en-us/products/visual-studio-community-vs.aspx">https://www.visualstudio.com/en-us/products/visual-studio-community-vs.aspx</a> | <ul style="list-style-type: none"> <li>• 1.6 GHz or faster processor</li> <li>• 1 GB of RAM (1.5 GB if running on a virtual machine)</li> <li>• 4 GB of available hard disk space</li> <li>• 5400 RPM hard disk drive</li> <li>• DirectX 9-capable video card that runs at 1024 x 768 or higher display resolution               <ul style="list-style-type: none"> <li>• See: <a href="https://www.visualstudio.com/en-us/downloads/visual-studio-2015-system-requirements-vs.aspx#1">https://www.visualstudio.com/en-us/downloads/visual-studio-2015-system-requirements-vs.aspx#1</a></li> </ul> </li> </ul> | Windows     |
| 4              | Reactive Extensions              | Free                      |   |   | Via NuGet   |   |             |
| 5              | Service Fabric                   | Free (Azure Subscription) | Yes   | Azure subscription differs                | <a href="https://azure.microsoft.com/en-us/">https://azure.microsoft.com/en-us/</a>   |   |             |

|    |                |                    |  |  |   |   |                            |
|----|----------------|--------------------|--|--|---|---|----------------------------|
|    |                | n might be needed) |  |  | us/documentation/learning-paths/service-fabric/               |   |                            |
| 8  | Code Contracts | Free               |  |  | Via Extensions and Updates menu in Visual Studio              |   |                            |
| 11 | Xamarin        | Free               |  |  | <a href="https://www.xamarin.com">https://www.xamarin.com</a> | A Mac running Mac OS X or macOS or newer. | Windows and Mac OS X/macOS |