

## Software List and hardware specifications

Software requirement	
Downloads for Windows	Downloads for Linux
<ul style="list-style-type: none"><li>• <i>Visual studio 2017 15.3 or above</i></li><li>• <i>Ionide- fsharp</i></li><li>• <i>Visual F# Tools 4.0(If using older versions of visual studio 2012/13/15)</i></li><li>• <i>F# 4.1 or above</i></li><li>• FSharp.Data.SqlClient library from NuGet</li><li>• FSharp.Data.SqlProvider library from NuGet</li></ul> Please refer Chapter 1 for installation steps.	<ul style="list-style-type: none"><li>• Visual Studio Code 2017</li><li>• VirtualBox 5.1.26 or above</li><li>• Ubuntu 17.04 or above (32 bit ) and RAM - 4GB</li><li>• FSharp.Data.SqlClient library from NuGet</li><li>• FSharp.Data.SqlProvider library from NuGet</li></ul>

Hardware requirements	
Ubuntu 17.04, Its system requirement	Windows 10 system requirement
<ul style="list-style-type: none"><li>• 2GHz dual core processor or better</li><li>• 2 GB system memory</li><li>• 25 GB of free hard drive space</li><li>• Either a DVD drive or a USB port for the installer media</li></ul>	<ul style="list-style-type: none"><li>• Processor: 1.8 gigahertz (GHz) or faster processor or SoC</li></ul> RAM: 2 GB of RAM; 4 GB of RAM recommended (2.5 GB minimum if running on a virtual machine) <ul style="list-style-type: none"><li>• Hard disk space: up to 130 GB of available space, depending on features installed; typical installations require 20-50 GB of free space.</li><li>• Hard disk speed: to improve performance, install Windows and Visual Studio on a solid state drive (SSD).</li></ul>

**Note:** These are minimum requirements.