

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
All	Xamarin Development Tools	Free	Yes	Free	N/A	System with 16GB RAM	Windows
All	Xamarin Development Tools	Free	Yes	Free	N/A	System with 16GB RAM	macOS
All (Optional)	VMWare	Proprietary	Yes	88,95 Euros	https://store.vmware.com/store?Action=homeLocale=en_IESiteID=vmwde	System with 16GB RAM	macOS
All (Optional)	Parallels	Proprietary	Yes	\$79.99	https://www.parallels.com/products/desktop/buy/?full	System with 16GB RAM	macOS
10	Python 3.6.8	Free			https://www.python.org/downloads/release/python-368/		Windows / macOS
All	XCode	Free	Yes		Download available from App Store on macOS		macOS

All	Visual Studio for Mac	Proprietary	Yes		https://visualstudio.microsoft.com/downloads/		macOS
All	Visual Studio 2017/2019	Proprietary	Yes		https://visualstudio.microsoft.com/downloads/		Windows
All	Visual Studio Code	Free			https://visualstudio.microsoft.com/downloads/		Windows / macOS
9	Docker Desktop	Free	Yes		https://www.docker.com/products/docker-desktop		Windows / macOS
All	.NET Core SDK	Free			https://dotnet.microsoft.com/download		Windows / macOS

The chapters dealing with Azure services would require an Azure subscription to be created. With current subscription model, when an Azure free subscription is created, you can get \$200 credit for premium services, 12 months of free usage for certain services and a set of services are free without limitation.

.NET Core and Xamarin development chapters would require an IDE such as Visual Studio 2019 and/or Visual Studio for Mac. Both of these applications are available with a freemium model. In other words, the community edition for both applications are available with certain limitations. Visual Studio code can be an open source alternative for these IDEs when dealing with Azure service implementations.

If the development environment is setup on a macOS workstation, then Windows VM might be required for certain development and deployment scenarios. While alternatives are listed above, additional options are available for these type of a setup. Both of the alternatives (that is, Parallels and VMWare) have trial versions available.

Online SaaS product offers such as Azure DevOps and Visual Studio App centre are also freemium products. Nevertheless, the feature set offered with the free subscription should be enough for the majority of the samples outlined in this book.