

SOFTWARE/HARDWARE LIST

Chapter Name	Chapter number	Software required (With version)	Hardware specifications	OS required
Introduction to SQL Server 2016	1	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Review of SQL Server Features for Developers	2	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
SQL Server Tools	3	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio SQL Server Data Tools RStudio IDE R Tools for Visual Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Transact-SQL Enhancements	4	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
JSON Support	5	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Stretch Database	6	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Temporal Tables	7	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Tightening the Security	8	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Query Store	9	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Columnstore Indexes	10	<ul style="list-style-type: none"> SQL Server 2016 Developer or Enterprise Edition SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least	Windows Server 2012 R2 or later, Windows 10

			100GB of hard disk space available	
Introducing SQL Server In-Memory OLTP	11	<ul style="list-style-type: none"> • SQL Server 2016 Developer or Enterprise Edition • SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
In-Memory OLTP Improvements in SQL Server 2016	12	<ul style="list-style-type: none"> • SQL Server 2016 Developer or Enterprise Edition • SQL Server Management Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Supporting R in SQL Server	13	<ul style="list-style-type: none"> • SQL Server 2016 Developer or Enterprise Edition • SQL Server Management Studio • SQL Server Data Tools • RStudio IDE • R Tools for Visual Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10
Data Exploration and Predictive Modeling with R in SQL Server	14	<ul style="list-style-type: none"> • SQL Server 2016 Developer or Enterprise Edition • SQL Server Management Studio • SQL Server Data Tools • RStudio IDE • R Tools for Visual Studio 	64-bit architecture, 6+ GHz CPU, 8GB RAM, at least 100GB of hard disk space available	Windows Server 2012 R2 or later, Windows 10