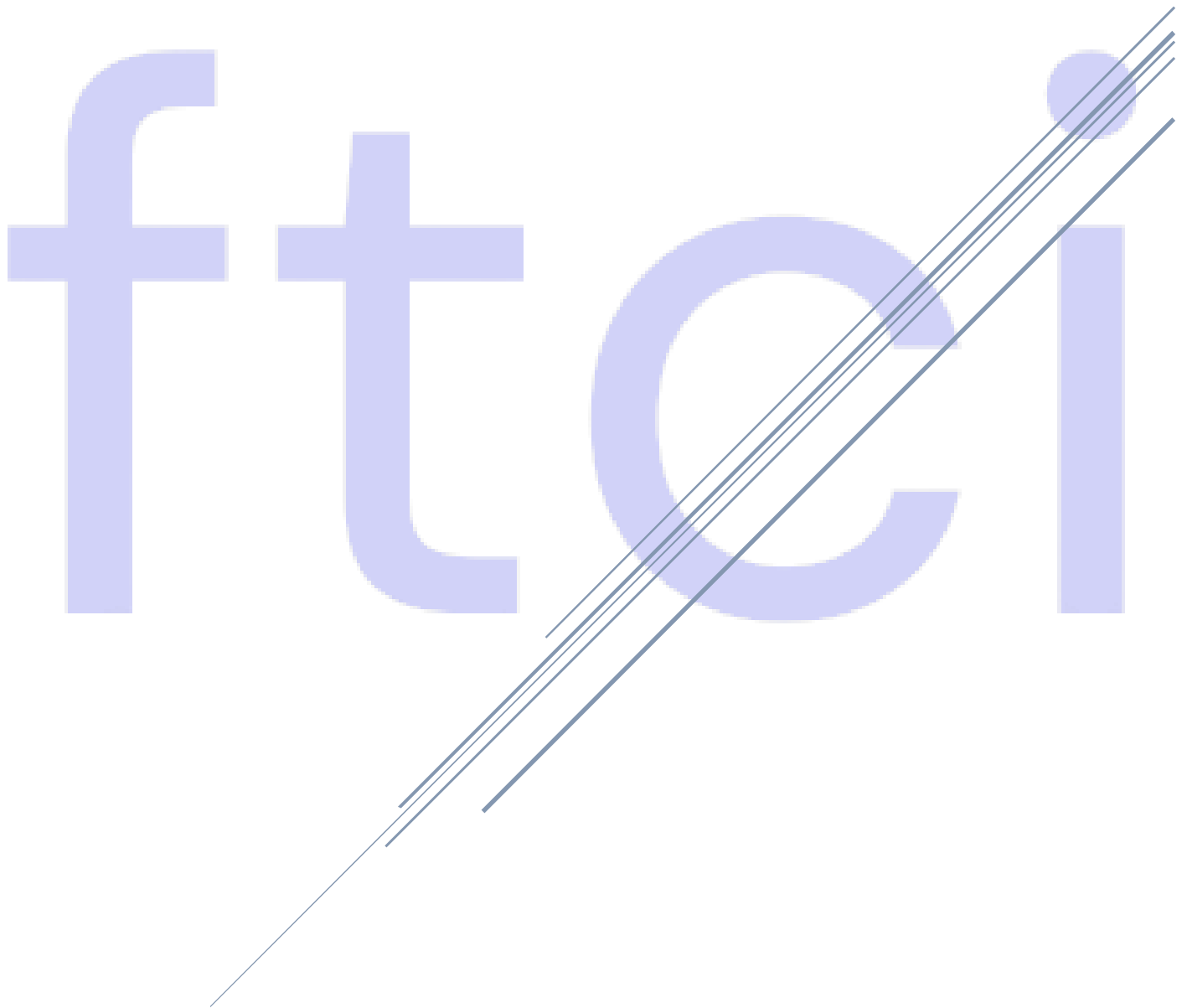


SQL SERVER DBA TRAINING

SQL Server & Database Overview

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Farjax Tech & Consulting Inc (ftci)

Hardware requirements

The following memory and processor requirements apply to all editions of SQL Server:

Component	Requirement
Component	Requirement
Hard Disk	<p>SQL Server requires a minimum of 6 GB of available hard-disk space.</p> <p>Disk space requirements will vary with the SQL Server components you install. For more information, see Hard Disk Space Requirements later in this article. For information on supported storage types for data files, see Storage Types for Data Files.</p>
Monitor	SQL Server requires Super-VGA (800x600) or higher resolution monitor.
Internet	Internet functionality requires Internet access (fees may apply).
Memory *	<p>Minimum:</p> <p>Express Editions: 512 MB</p> <p>All other editions: 1 GB</p> <p>Recommended:</p> <p>Express Editions: 1 GB</p> <p>All other editions: At least 4 GB and should be increased as database size increases to ensure optimal performance.</p>
Processor Speed	<p>Minimum: x64 Processor: 1.4 GHz</p> <p>Recommended: 2.0 GHz or faster</p>
Processor Type	x64 Processor: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support

Hardware requirements

The following requirements apply to all installations:

Component	Requirement
Operating system	Windows 10 TH1 1507 or greater Windows Server 2016 or greater
.NET Framework	Minimum operating systems includes minimum .NET framework.
Network Software	Supported operating systems for SQL Server have built-in network software. Named and default instances of a stand-alone installation support the following network protocols: Shared memory, Named Pipes, and TCP/IP.

SQL Server Setup installs the following software components required by the product:

- SQL Server Native Client
- SQL Server Setup support files

Operating system support

The following table shows which editions of SQL Server 2019 (15.x) are compatible with which versions of Windows:

Server core support

Installing SQL Server 2019 (15.x) on Server Core mode is supported by the following editions of Windows Server:

Windows Server 2022 Core

Windows Server 2019 Core

Windows Server 2016 Core

SQL Server edition:	Enterprise	Developer	Standard	Web	Express
Windows Server 2022 Datacenter	Yes	Yes	Yes	Yes	Yes
Windows Server 2022 Datacenter: Azure Edition	Yes	Yes	Yes	Yes	Yes
Windows Server 2022 Standard	Yes	Yes	Yes	Yes	Yes
Windows Server 2019 Datacenter	Yes	Yes	Yes	Yes	Yes
Windows Server 2019 Standard	Yes	Yes	Yes	Yes	Yes
Windows Server 2019 Essentials	Yes	Yes	Yes	Yes	Yes
Windows Server 2016 Datacenter	Yes	Yes	Yes	Yes	Yes
Windows Server 2016 Standard	Yes	Yes	Yes	Yes	Yes
Windows Server 2016 Essentials	Yes	Yes	Yes	Yes	Yes
Windows 11 IoT Enterprise	No	Yes	Yes	No	Yes
Windows 11 Enterprise	No	Yes	Yes	No	Yes
Windows 11 Professional	No	Yes	Yes	No	Yes
Windows 11 Home	No	Yes	Yes	No	Yes
Windows 10 IoT Enterprise	No	Yes	Yes	No	Yes
Windows 10 Enterprise	No	Yes	Yes	No	Yes
Windows 10 Professional	No	Yes	Yes	No	Yes
Windows 10 Home	No	Yes	Yes	No	Yes

Server core support

Installing SQL Server 2019 (15.x) on Server Core mode is supported by the following editions of Windows Server:

Windows Server 2022 Core

Windows Server 2019 Core

Windows Server 2016 Cor

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