

# Destiny 19.6 System Requirements – Destiny Servers

## Overview

**Important:** Because each upgrade of Destiny includes new features that require more resources from the hardware, operating system and SQL Server, v15.5 is the last Destiny release to support 32-bit operating systems. In order to upgrade to v19.6, Destiny must be installed on a 64-bit operating system.

This document outlines the application and database server software requirements for Destiny 19.6, and is designed to communicate current requirements for districts that are upgrading to Destiny 19.6.

New district or consortium customers receive customized server hardware and software requirements that are unique to their district as part of the sales process prior to their Destiny implementation. Districts looking to reinstall on new/upgraded hardware should also contact their sales representative to review the district's current needs.

District technical staff should use this information to ensure their Microsoft server environment is using the most current supported Microsoft software recommended by Follett for Destiny servers.

Server hardware and software requirements for individual schools are also listed.

## Districts or Consortia Upgrading to Destiny 19.6

Your Windows servers must meet the following operating system and database server software requirements for Destiny 19.6.

Component	Minimum Requirements	Recommended Requirements
Operating System	<p>Windows Server 2012 R2 Standard or Enterprise Edition 64-bit *</p> <p>*Use the latest service pack for your operating system.</p> <p><b>Note:</b> Microsoft ended mainstream support for Windows Server 2012 R2 in 2018. The minimum operating system requirement for Destiny will change in an upcoming release.</p>	Windows Server 2019 Standard or Data Center Edition 64-bit
Database Server	<p>SQL Server 2012 Standard, Enterprise or Express Edition 64-bit *</p> <p>*Use the latest service pack for SQL Server.</p> <p><b>Note:</b> Microsoft ended extended support for SQL Server 2012 in 2022. The minimum database server requirements for Destiny will change in an upcoming release.</p>	SQL Server 2019: Standard, Enterprise, or Express Edition 64-bit

## Single School Installation

### Server Requirements

- **Processor** Quad Core 2.4+ GHz, 12MB cache, 64-bit OS recommended
- **RAM** 16GB RAM / 20GB RAM if using Destiny Analytics
- **Hard disk** (1) 300+GB RAID-1 or RAID-5 volume

### Server Software

Component	Minimum Requirements	Recommended Requirements
Operating System	Window Server 2012 R2 Standard or Data Center Edition 64-bit*  Windows 10 Professional Edition*  *Use the latest service pack for your operating system.	Windows Server 2019 Standard or Data Center Edition 64-bit
Database Server	SQL Server 2012 Standard, Enterprise or Express Edition 64-bit*  *Use the latest service pack for SQL Server.	SQL Server 2019: Standard, Enterprise, or Express Edition 64-bit

### Operating Systems

The installer halts if it detects any other operating systems or editions are used other than those recommended in this document.

Follett encourages Destiny customers use the most current Microsoft version of the Windows operating system and SQL Server that is outlined in this document. For details on when Windows is ending support, see: <http://windows.microsoft.com/en-us/lifecycle/search>. Once Microsoft support ends for older versions of Windows OS and SQL Server, Follett updates its minimum requirements for Destiny to the more current supported Microsoft products. Follett support associates might not be able to resolve all issues associated with running Destiny on versions of Microsoft software that are no longer supported by Microsoft.

### Applying Security Patches

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## SQL Server

**Editions** – Customers with up to 10,800 students can typically use the Express Edition of SQL Server, which is free from Microsoft and included with Destiny installer. This database is limited in size and will only make use of a single CPU. If over time the database size grows near the limit, or the customer has high peak load and Destiny is not performing, the customer might have to purchase the Standard or Enterprise Editions of SQL Server in the future.

## SQL Containment

Destiny is supported on SQL Servers which have containment set to 'none'. Destiny is not currently supported or tested on any other containment settings.

## Docker Containers

Destiny is not currently supported or tested in any Docker Containers. This includes SQL installs as well.

## Security

Follett recommends HTTPS configuration of your Destiny server to ensure security of your Destiny data. If you have any questions regarding HTTPS configuration, contact Technical Support.

## Virtualization

Installing Destiny directly on the host Windows Server 2012, 2012 R2, or 2016 with Hyper-V is only supported if the Hyper-V role is disabled. Follett does not support installing Destiny directly on Windows Server with Hyper-V running as a host operating system.

Follett also supports installing Destiny on Windows Server 2012, 2012 R2, 2016 or 2019 – running as a guest operating system. In this case, the guest operating system runs in a virtualized environment with Windows Server with Hyper-V running as the host operating system. Installing Destiny in a virtualized environment can cause a significant reduction in performance. For details, search *Destiny and Virtual Machine Technology FAQ* in Destiny Help.