Destiny 15.0 System Requirements–Destiny Servers

Overview

This document outlines the application and database server software requirements for Destiny® 15.0, and is designed to communicate current requirements for districts that are upgrading to Destiny 15.0.

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.

IMPORTANT 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.

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.

Each upgrade of Destiny includes new features that require more resources from the hardware, operating system and SQL Server. To meet the performance expectations, Follett strongly recommends 64-bit versions of hardware, operating systems (OS) and SQL Server.

IMPORTANT Consortium and Distributed installs must be 64-bit before upgrading to 15.0. Customers with more than 100 sites should upgrade their Destiny application server OS to 64-bit before upgrading to 15.0. Customers with more than 10 sites must plan to upgrade their Destiny application server to 64-bit as soon as possible. All customers should be budgeting and scheduling for 64-bit OS or consider Follett's hosted solution.

Our installer will halt if it detects any other operating systems or editions are used other than those recommended in this document.

64-bit is HIGHLY recommended, as future releases will not run on 32-bit OS's. 32-bit OS is still allowed, but 64-bit OS is highly recommended.

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/windows/products/lifecycle). Once Microsoft support ends for older versions of Windows OS and SQL Server, Follett will update our 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.

Districts or Consortia Upgrading to Destiny 15.0

Your Windows servers must meet the following operating system and database server software requirements for Destiny 15.0.

Component	Minimum Requirements	Recommended Requirements
Operating System	Windows Server 2008 Standard or Enterprise Edition 64-bit * Windows Server 2008 R2 Standard or Enterprise Edition 64-bit * * Use the latest service pack for your operating system.	Windows Server 2012 R2 Standard or Data Center Edition 64-bit
Database Server	SQL Server 2008 Standard, Enterprise or Express Edition 64-bit * SQL Server 2008 R2 Standard, Enterprise or Express Edition 64-bit * * Use the latest service pack for SQL Server.	SQL Server 2014: Standard, Enterprise, or Express Edition 64-bit

Follett has successfully completed testing of Destiny with Windows Server 2016 and SQL Server 2016 and these versions are now supported. Due to the fact that these versions are still relatively new, Follett is still recommending Windows/SQL Server versions as noted above for Destiny installations.

IMPORTANT 32-bit SQL Server is still allowed, but all customers–especially those with more than 50 sites–should plan to upgrade to 64-bit.

Customers up to 10,800 students can typically use the SQL Express 2012 database, which is free from Microsoft and included with Destiny. This database is limited in size and will only make use of a single CPU. If the database size grows over time near the limit or the customer has high peak load and Destiny is not performing, the customer might have to purchase the standard SQL Server in the future.

SQL Containment: Destiny is support 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.

Single School Installation

Server Requirements

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

Server Software

Component	Minimum Requirements	Recommended Requirements
Operating System	Windows Server 2008 Standard or Enterprise Edition 64-bit * Windows Server 2008 R2 Standard or Enterprise Edition 64-bit * Windows 10 Professional Edition Windows 8 Professional or Enterprise Edition 64-bit * Windows 7 Professional, Enterprise or Ultimate Edition 64-bit with Service * * Use the latest service pack for your operating system.	Windows Server 2012 R2 Standard or Data Center Edition 64-bit
Database Server	SQL Server 2008 Standard, Enterprise or Express Edition 64-bit * SQL Server 2008 R2 Standard, Enterprise or Express Edition 64-bit * * Use the latest service pack for SQL Server.	SQL Server 2014: Standard, Enterprise, or Express Edition 64-bit

IMPORTANT It is highly recommended that Destiny be installed on a dedicated server computer (a computer without any other major applications). 32-bit OS support will be ending soon; 64-bit OS is highly recommended.

Customers with up to 10,800 students can typically use the SQL Express 2012 database, which is free from Microsoft and included with Destiny. This database is limited in size and will only make use of a single CPU. If the database size grows over time near the limit or the customer has high peak load and Destiny is not performing, the customer might have to purchase the standard SQL Server in the future.

Virtualization Notes

Installing Destiny directly on the host Windows Server 2008 or 2012 R2 with Hyper-V is only supported if the Hyper-V role is disabled. Follett School Solutions, Inc. does not support installing Destiny directly on Windows Server with Hyper-V running as a host operating system.

Follett School Solutions, Inc. also supports installing Destiny on Windows Server 2008 or 2012 R2 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.

Applying Security Patches

Follett recommends that you apply Microsoft's security patches and other critical updates immediately upon availability. Follett believes that the risks associated with delaying the deployment of security patches are far greater than the risks of any adverse effects to Destiny. Follett does not issue a list of approved patches because we do not want to delay the deployment of any critical security updates.

To date, there have been no reported incidents of operating system or SQL Server security patch conflicts with Destiny.