

Financial Edge 7.87 Minimum System Requirements

This document lists the minimum system infrastructure required to run your Blackbaud system. Blackbaud recommends the purchase of top-of-the-line equipment when possible and that organizations budget for continual upgrades to their system. Please note that system requirements are subject to change. Make sure you have the latest information before making any purchases.

In addition to the following requirements, Blackbaud strongly recommends the purchase and scheduled use of a tape or archival backup solution for those clients who use an on premise version of the system. The Blackbaud Management Console includes a backup utility to make or schedule backups while the database engine is running. Blackbaud recommends regular testing of your backups to ensure reliability.

Note: If you are running any of our version 7 education products including but not limited to *Education Edge* or *Blackbaud Student Information System*, please refer to the Minimum System Requirements for those products separately.

Financial Edge

standalone/workstation minimum requirements

Operating system

Operation System	No SP	SP1
Windows 7 (32-bit & 64-bit)	Yes	Yes
Windows 8 (32-bit and 64-bit)	Yes	N/A
Windows 8.1 (64-bit)	Yes	N/A
Windows 8.1 (32-bit)	Yes	N/A
Windows 10 (64-bit)	Yes*	N/A
Windows 10 (32-bit)	No	No

*Not supported as standalone.

Note: Home editions of Windows operating systems are not supported. While we will continue to answer your software questions regardless of your Windows or SQL version, we will no longer address product related issues resulting from these Microsoft products and will no longer test our software to ensure compatibility with it.

processor (CPU)

1.7 GHz Intel Pentium IV equivalent or faster.

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memory (RAM)	1GB minimum Windows 8, 8.1, & 10 – 2GBs																																																												
disk space	1 GB minimum for program and system files; plus 500 MB free disk space for processing activities. Note: For standalone workstations, use the Disk Space chart under Database Server Requirements to estimate the disk space needed for database files.																																																												
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<ul style="list-style-type: none"> Fewer than 10 Financial Edge users and/or small databases (fewer than 250,000 records): 1.7GHz Pentium IV equivalent or better. More than 10 Financial Edge users and/or large databases (more than 250,000 records): 3.0GHz Pentium IV equivalent or better. Larger networks and databases require faster processors. A dedicated database server, especially with high user loads and activity, is recommended. No mission-critical databases or other client/server applications, including other Blackbaud applications, should run on the same server. If you run more than one client/server application on the same server, the server needs to exceed the minimum requirements for optimal performance. 																																																													
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memory (RAM)	<p>1 GB minimum. More memory may be required for databases larger than 1 GB.</p> <ul style="list-style-type: none"> • The maximum memory supported by SQL Server 2008 Express and 2008 R2 Express is 1 GB. • The maximum memory supported by SQL Server 2008 and 2008 R2 Workgroup Editions is 4 GBs. • The maximum memory supported by SQL Server 2008 Enterprise Edition is 2 TBs. • The maximum memory supported by SQL Server 2008, 2008 R2 and 2012 Standard Editions is 64 GBs. • The maximum memory supported by SQL Server 2012 R2 and 2014 Standard Editions is 128 GBs. • The maximum memory for SQL Server 2008 R2, 2012, 2012 R2 and 2014 Enterprise Editions is the maximum that your operating system will support. <p>Note: SQL Server can dynamically allocate the optimal amount of memory (or cache) to the database to increase performance. Consider purchasing more than the required RAM to allow for a larger cache.</p>
disk space	<p>1.5 GB minimum for program, system, and database management console files; plus 750 MB for the workstation deployment files, which can be installed in a different location. Additional space is required for the database.</p> <p>Note: Requirements vary, depending on the number of records and the additional modules used.</p>
hard disk	<p>A high-performance disk subsystem is recommended.</p>

WebPortal

WebPortal workstation minimum requirements	
browser	<ul style="list-style-type: none"> • PCs: Internet Explorer 7, 8, 9, 10, and 11. Latest version of Firefox and Chrome. • Macintosh: Latest version of Firefox. • Minimum screen resolution 1024x768
internet connection	<p>An internet connection is required to use <i>WebPortal</i>. A broadband (DSL or cable) or faster connection is recommended.</p>
web server minimum requirements	
operating system	<ul style="list-style-type: none"> • Windows Server 2008 (32-bit and 64-bit installed with IIS 7.0 (in 32-bit mode). SP1 and SP2 are supported. • Windows Server 2008 R2 (64-bit) installed with IIS 7.5 (in 64-bit mode). SP1 is supported. • Windows Server 2012. • Windows Server 2012 R2. <p>Note: Domain controllers, Small Business Servers, and peer-to-peer networks are not supported.</p> <p>Note: Separate web and database servers are recommended.</p> <p>Note: <i>The Financial Edge</i> client needs to be installed on the <i>WebPortal</i> web server</p>
processor (CPU)	<p>3.0GHz Pentium IV equivalent or better.</p>
memory (RAM)	<p>1 GB minimum.</p>

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disk space	2 GB minimum for program and system files.
internet connection	If the web application is accessed via the Internet, Blackbaud recommends using a high-speed Internet connection.
security	<p>Blackbaud recommends securing your web server with Secure Socket Layer (SSL) or equivalent technology to prevent unauthorized access to transmitted data.</p> <p>Note: Blackbaud is not responsible for the installation, configuration, and testing of any web security measures. Blackbaud assumes no responsibility for the security of your web server and any adverse consequences resulting from security issues. Blackbaud software does not establish or modify security on the web server. Refer to http://www.microsoft.com for specific security measures and NTFS permissions needed by Windows Server 2008, 2008 R2, 2012 and 2012 R2 and IIS.</p>

Accounting Forms/Blackbaud Forms

With the optional module *Accounting Forms*, you can print accounting forms (including checks, statements, invoices, and purchase orders) on blank paper. You can print checks according to your bank's specifications on standard blank check stock. An HP LaserJet series printer that supports Magnetic Ink Character Recognition (MICR) is required to print checks. For more information, visit <http://www.blackbaud.com/blackbaud-forms>

Blackbaud Forms provides computer forms (such as checks, statements, and purchase orders) and envelopes specifically designed for use with **The Financial Edge**. Blackbaud forms are guaranteed to align correctly and can be customized to your organization's specifications, using your logo, special inks, and print styles. Pre-printed forms from other suppliers are not guaranteed to align properly and are not supported by Blackbaud.

F9

For F9 system requirements, visit <http://www.f9trialhosting.com/downloads/F9SystemRequirements.aspx>.

ABM

For ABM system requirements, visit <http://www.blackbaud.com/files/support/downloads/abm/abmsysreq.pdf>.

PaperSave

For PaperSave 5 system requirements, visit <http://downloads.papersave.com/Support/Documentation/Blackbaud/PaperSave%205%20PreReqs%20for%20FE%20v4.pdf>.

Microsoft Dynamic POS

For Microsoft Dynamic POS system requirements, visit <http://www.microsoft.com/dynamics/en/gulf/using/pos-system-requirements.aspx>.

School Store Manager/Point of Sale

Blackbaud's *School Store Manager* includes Microsoft's Retail Management System (RMS) Store Operations™ and version 1.2 is compatible with **Student Billing**. Both versions of **Student Billing** are supported with RMS 1.3 and 2.0. However RMS version 1.3 and 2.0 is only supported with **Student Billing** if it does not integrate with RMS for **The Raiser's Edge 7**. QuickSell 2000 is not supported with **Student Billing**. If you plan to use *School Store Manager* with **Student Billing**, convert to Retail Management Systems before converting to **Student Billing**.

Point of Sale 7 includes Retail Management System Store Operations™ and is compatible with **The Raiser's Edge 7** (see **The Raiser's Edge** system recommendations for specific compatibility requirements). Microsoft Dynamics *Point of Sale 2009* is not



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supported for **The Financial Edge**. For Retail Management Systems Store Operations™ and QuickSell 2000™ system requirements, visit <http://www.microsoft.com>. If you use SQL Server 2005 and have *School Store Manager*, you must activate ad-hoc querying.

Other Compatibility Information

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third-party software

The following third-party software is included with *The Financial Edge* installation:

- Microsoft SQL Server Express 2008 R2 SP2
- Microsoft SQL Server Express 2005 Backward Compatibility Components
- Microsoft Windows Installer 3.1
- Microsoft Windows Installer 4.5
- Microsoft Data Access Components (MDAC) 2.8
- Microsoft .NET Framework 2.0.50727
- Microsoft .NET Framework 4
- Visual Basic for Applications (VBA) Components
- Crystal Report XI Runtime Components
- Internet Explorer 6.x
- Visual Basic for Applications (optional module)
- Microsoft System CLR Types 2012
- Microsoft SQL Server 2012 Shared Management Objects

Note: Microsoft Office 2007, 2010, 2013 32-bit (Patch 8 or higher) is required to use the Microsoft Integration features.

Microsoft offers different licensing models for customers to license SQL Server 2008/2008 R2. Each model is designed to meet specific customer needs. For Web applications, Microsoft recommends a separate Processor license for each processor used by the SQL Server instance. It includes access for an unlimited number of users or devices to connect to the SQL Server instance from either inside or outside the firewall. You do not need to purchase additional Server Licenses or Client Access Licenses (CALs) when licensed under the per processor model.

When purchasing Blackbaud Web applications, review your Microsoft SQL licenses and ensure you have the required licensing. For further information about Microsoft's SQL Server licensing requirements, visit <http://www.microsoft.com/sqlserver/en/us/product-info.aspx>.

Note: Blackbaud does not support case sensitive collation sequences with SQL Server.

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<p>electronic funds transfer</p>	<p>The optional module <i>Electronic Funds Transfer</i> allows you to process direct debits and credit card transactions to your Accounts Payable bank account.</p> <p>Supported bank EFT formats for the United States:</p> <ul style="list-style-type: none"> • U.S. bank standard EFT format <p>Supported bank EFT formats for Canada:</p> <ul style="list-style-type: none"> • Bank of Nova Scotia (Scotiabank) format • CIBC 1464 standard format • CPA 1464 format (default) • EFT Canada Excel format • National Bank 1464 standard format • Royal Bank 1464 format • Toronto Dominion 1464 standard format <p>Supported bank EFT formats for Australia:</p> <ul style="list-style-type: none"> • Australia bank standard EFT format <p>Supported bank EFT formats for New Zealand:</p> <ul style="list-style-type: none"> • BNZ bank standard EFT format • ANZ bank standard EFT format
<p>email</p>	<p>MAPI-compliant (a Microsoft email standard) email system is required. Note: Some vendors do not fully implement the MAPI standard. Blackbaud cannot guarantee these products will work with email features in The Financial Edge. Blackbaud has tested compatibility with Microsoft Outlook 2007 and 2010 only.</p>
<p>mail merge</p>	<p>Microsoft Word versions, 2007, 2010, & 2013 32-bit are supported.</p>
<p>printers</p>	<p>Reports and forms in Blackbaud products have been specifically designed and tested with HP LaserJet laser printers. The Financial Edge does not support dot matrix printers.</p>
<p>server-based computing (“thin-client” technology)</p>	<p>The Financial Edge is compatible with Windows Server 2008 and 2008 R2 Remote Desktop Services and Citrix hosting solutions. These thin-client technologies provide complete access to Blackbaud applications over low-bandwidth connections (dial-up, 56K, ISDN) from low-end legacy PCs or from computers running non-supported operating systems such as Macintosh or OS/2. In these environments, all application processing occurs on a single, centralized server.</p> <p>For information on Microsoft Terminal or Remote Desktop Services, visit http://www.microsoft.com. For information on Citrix, visit http://www.citrix.com. To determine your hardware requirements, Citrix suggests a pilot setup and the use of performance tools to measure the impact that users, applications, and location have on setup. Consult with qualified information systems professionals when implementing this technology.</p>