

Blackbaud NetCommunity™

This document lists the system requirements Blackbaud suggests for each of the **Blackbaud NetCommunity 7.2 SP 1** components. For a more in-depth technical configuration of **Blackbaud NetCommunity**, read the *Blackbaud NetCommunity Configuration Overview* under **Support, How-to Documentation** on our website. Please contact your Blackbaud account manager if you do not have access to this information.

Note: System requirements are subject to change. Blackbaud recommends the purchase of the latest software and equipment when possible and that organizations budget for continual upgrades to their system. Before you make any purchase or installation decisions, ensure you have the latest system requirements and check for third-party compatibility information in Knowledgebase. If you use multiple Blackbaud products, refer to the system requirements for each product; the total requirements may be different from what is listed below.

Blackbaud NetCommunity

Blackbaud NetCommunity database server

operating system	<p>Only the Standard and Enterprise editions of the listed operating systems are supported.</p> <table border="1" data-bbox="363 636 1448 749"> <thead> <tr> <th>Windows Server</th> <th>No SP</th> <th>SP1</th> <th>SP2</th> </tr> </thead> <tbody> <tr> <td>Windows Server 2012 R2 (64-bit)</td> <td>Yes</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Windows Server 2016 (64-bit)</td> <td>Yes</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>Note: <i>Blackbaud NetCommunity</i> does not support domain controllers, peer-to-peer networks or any operating system that is not specifically listed above.</p>	Windows Server	No SP	SP1	SP2	Windows Server 2012 R2 (64-bit)	Yes	N/A	N/A	Windows Server 2016 (64-bit)	Yes	N/A	N/A																
Windows Server	No SP	SP1	SP2																										
Windows Server 2012 R2 (64-bit)	Yes	N/A	N/A																										
Windows Server 2016 (64-bit)	Yes	N/A	N/A																										
processor (CPU)	<ul style="list-style-type: none"> ◆ Pentium D-class 3 GHz or more, or AMD equivalent recommended. ◆ Larger networks and databases that require faster processors can upgrade to any CPU that runs Windows Server. ◆ SQL Server provides enhanced support for Windows servers with multiple processors. It is designed to improve the performance of multi-user databases under heavy use and increase the workload the database can handle. It can also handle larger databases and/or a large number of users (20 and more). ◆ A dedicated database server should be considered, especially for high user loads and activity. No mission-critical databases or other client/server applications, including other Blackbaud applications, should run on the same server. ◆ If running more than one client/server application on the same server, the server needs to exceed the minimum recommendations for optimal performance. 																												
SQL Server	<p>Only the Standard and Enterprise editions of the listed SQL Server versions are supported.</p> <table border="1" data-bbox="363 1287 1521 1459"> <thead> <tr> <th>SQL Server</th> <th>Compatibility Level</th> <th>No SP</th> <th>SP1</th> <th>SP2</th> <th>SP3</th> <th>SP4</th> </tr> </thead> <tbody> <tr> <td>SQL Server 2012 R2 (64-bit)</td> <td>110</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>SQL Server 2014 (64-bit)</td> <td>110</td> <td>Yes</td> <td>Yes</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>SQL Server 2016 (64-bit)</td> <td>130</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>Note: Search functionality in <i>Blackbaud NetCommunity</i> requires full-text search to be installed with SQL Server.</p>	SQL Server	Compatibility Level	No SP	SP1	SP2	SP3	SP4	SQL Server 2012 R2 (64-bit)	110	Yes	Yes	Yes	Yes	Yes	SQL Server 2014 (64-bit)	110	Yes	Yes	N/A	N/A	N/A	SQL Server 2016 (64-bit)	130	Yes	Yes	Yes	N/A	N/A
SQL Server	Compatibility Level	No SP	SP1	SP2	SP3	SP4																							
SQL Server 2012 R2 (64-bit)	110	Yes	Yes	Yes	Yes	Yes																							
SQL Server 2014 (64-bit)	110	Yes	Yes	N/A	N/A	N/A																							
SQL Server 2016 (64-bit)	130	Yes	Yes	Yes	N/A	N/A																							
memory (RAM)	<p>2 GB minimum and 4 GB or more recommended. More memory may be required for databases larger than 1 GB. The maximum memory for SQL Server is limited to the operating system maximum.</p> <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 recommended RAM to allow for a larger cache.</p>																												
disk space	<p>2 GB or more for <i>Blackbaud NetCommunity</i> database.</p> <p>Note: Requirements depend on the number of records and pages developed.</p>																												
hard disk	<p>A high-performance disk subsystem, such as SCSI-2 and RAID technology, is recommended.</p>																												

Blackbaud NetCommunity web server & core components

operating system	Microsoft .NET Framework v4.5.2 or higher must be installed. 64-bit supported on x64 hardware. Only the Standard and Enterprise editions of the listed operating system is supported.			
	Windows Server	No SP	SP1	SP2
	Windows Server 2012 (64-bit)	Yes	N/A	N/A
	Windows Server 2012 R2 (64-bit)	Yes	N/A	N/A
	Windows Server 2016 (64-bit)	Yes	N/A	N/A
	Windows Server 2019 (64-bit)	Yes	N/A	N/A
	<p>Note: <i>Blackbaud NetCommunity</i> does not support domain controllers, peer-to-peer networks or any operating system that is not specifically listed above. Microsoft .NET Framework v4.5.2 or higher must be installed prior to any <i>Blackbaud NetCommunity</i> installation.</p>			
processor (CPU)	Pentium D-class 3 GHz minimum or AMD equivalent recommended.			
	<p>Note: Larger networks and databases require faster processors.</p>			
memory (RAM)	4 GB or more recommended.			
disk space	1.5 GB or more for <i>Blackbaud NetCommunity</i> program, system, core components and database management console files; plus 50 MB for the workstation deployment files, which can be installed in a different location. Additional space is required for the database.			
Internet connection	Dedicated circuit (such as full T1 to a tier 1 ISP) scaled to aggregate the concurrent application users (100200 kbps per typical web user). Necessary speed of the connection depends on your website's usage by visiting users and should be reviewed with your consultant during implementation. Typical request size is 10kb.			
	HTTPS traffic requires port 443. Non-default ports are not supported.			
security	Blackbaud recommends securing your web server with Transport Layer Security (TLS) 1.2 or equivalent technology to prevent unauthorized access to transmitted data.			
	<p>Note: Blackbaud is not responsible for the installation, configuration, or testing of any web-security measures. Blackbaud assumes no responsibility for the security of your web server and any adverse consequences from security issues. Blackbaud software does not establish or modify security on the web server. Refer to www.microsoft.com for best practices and security recommendations.</p>			

Raiser's Edge web service server	
operating system	<p>Windows Server 2012 or higher. The Raiser's Edge 7.96 Patch 17 or higher and RE7 web service. Microsoft .NET Framework v4.5.2 or higher must be installed. 64bit supported on x64 hardware.</p> <p>It is expected that Blackbaud NetCommunity, the plug-in and RE7 web service be on the same versions.</p> <p>Note: Blackbaud NetCommunity does not support domain controllers, peer-to-peer networks or any operating system that is not specifically listed above. Microsoft .NET Framework v4.5.2 must be installed prior to any Blackbaud NetCommunity installation.</p>
processor (CPU)	Pentium D-class 3 GHz minimum or AMD equivalent recommended.
memory (RAM)	2 GB
disk space	Minimum of 50 MB available space for the RE7 web service installation.
Internet connection	<p>Dedicated circuit (such as full T1 to a tier 1 ISP) scaled to aggregate the concurrent applications users (100200 kbps per typical web user). Necessary speed of the connection depends on your website's usage by visiting users and should be reviewed with your consultant during implementation.</p> <p>HTTPS traffic requires port 443. Nondefault ports are not supported.</p>

Blackbaud software requirements	
The Raiser's Edge™	<p>Blackbaud NetCommunity is compatible with The Raiser's Edge 7.96 Patch 17 or higher. Blackbaud NetCommunity is not compatible with the MSDE or SQL Server 2005 Express versions of The Raiser's Edge.</p> <p>Note: Please refer to the latest The Raiser's Edge system requirements for supported client systems.</p>
Blackbaud eStore	Blackbaud NetCommunity 7.2 is compatible with Blackbaud eStore 7.1 or higher.
Blackbaud Direct Marketing	<p>Blackbaud NetCommunity 7.2 is compatible with Blackbaud Direct Marketing 4.0.</p> <p>Note: Integration between Blackbaud NetCommunity and Blackbaud Direct Marketing is not supported when the solutions are deployed as separate instances.</p>

security	<p>Blackbaud recommends securing your web server with Transport Layer Security (TLS) 1.2 or equivalent technology to prevent unauthorized access to transmitted data.</p> <p>Note: Blackbaud is not responsible for the installation, configuration, or testing of any web-security measures. Blackbaud assumes no responsibility for the security of your web service server or any adverse consequences from security issues. Blackbaud software does not establish or modify security on the web service server. Refer to www.microsoft.com for best practices and security recommendations.</p>
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Blackbaud Software Compatibility

The Raiser's Edge module requirements (optional module details at www.blackbaud.com)	
recurring gifts	Blackbaud NetCommunity requires <i>Electronic Funds Transfer</i> for the Donation Form part and Donation 2.0 part. if you want to batch and process recurring credit card and direct debit transactions in The Raiser's Edge .
tributes	Blackbaud NetCommunity requires <i>Honor/Memorial Tracking</i> to accept tribute gifts on the Donation Form part and Donation 2.0 part..
memberships	Blackbaud NetCommunity requires <i>Membership Management</i> to use the Membership Form part.
alumni	Blackbaud NetCommunity requires Alumni Tracking for display alumni fields on some parts.
events	Blackbaud NetCommunity requires <i>Event Management</i> to use the Event Registration Form part. It also is required to use events in the Fundraiser part.
matching gifts	Blackbaud NetCommunity requires <i>Matchfinder Online</i> to allow donors to see if their employers match gifts. It also allows you to look up a donor's company to retrieve matching gift details when you process donations in the Blackbaud NetCommunity plug-in. This module is not required to support matching gift pledges in Blackbaud NetCommunity .
volunteer management	Blackbaud NetCommunity requires <i>Volunteer Management</i> to use the Volunteer Opportunity part.

Other Compatibility Information

software requirements

credit card processing	<p>Credit card processing in Blackbaud NetCommunity works with Blackbaud Merchant Services. For more information about other supported gateways, see the Tier 3 gateways page.</p> <p>Note: Direct debit processing is not managed by these vendors. For Paypal Payflow Pro, a Paypal PayFlow Pro account is required, and Payments Pro is not supported.</p>
administrative and client browsers	<p>Blackbaud NetCommunity is compatible with W3C-compliant browsers (www.w3.org). Blackbaud NetCommunity supports a Document Type Declaration of XHTML 1.0 Transitional. Depending on your web design, the look and feel of your website may vary across different client browsers. Consider modifying layouts, templates, page designs, and styles to accommodate these differences.</p> <p>You must enable cookies for all Blackbaud NetCommunity form validations.</p> <p>Note: Full-page functionality testing is conducted on IE 11 and the latest versions of Firefox, Chrome, Safari on Mac OS, and Microsoft Edge. We recommend using one of these browsers for the best experience.</p>
mobile browsers	<p>Mobile page functionality testing is conducted on latest native versions of Android and iOS mobile browsers for Blackbaud NetCommunity. Depending on your web design, the look and feel of your mobile website may vary across different mobile browsers. Consider modifying layouts, templates, page designs, and styles to accommodate these differences.</p> <p>Note: The Blackbaud NetCommunity administrative features and client HTML editor are not supported in mobile browsers at this time.</p>

Database Backup

Blackbaud strongly recommends the purchase and scheduled use of a tape or archival backup solution. Power blackouts and brownouts, hardware and network failures, and other unexpected circumstances can lead to an unrecoverable data loss. Blackbaud is not a vendor of backup software or hardware and cannot determine the right backup system for your organization. Consult with reputable dealers and qualified information systems professionals to implement a reliable backup system.

You should make backups daily and test them periodically to ensure their reliability. The SQL Server Enterprise Manager includes a backup utility to conduct or schedule backups while the database engine is running. These backups should then be archived to your chosen tape or archival backup solution. You should also test these backups to ensure their reliability.

Requirements Disclaimer

System requirements are based on information available on the last updated date. They are published only as a guide and relate solely to Blackbaud software.

Performance and response time are affected by many factors related to hardware (such as RAM, processor speed, and hard disk subsystem performance), network configuration (such as NIC performance, cable type, topology, operating system, parameters, and traffic), and the database (such as size, number of concurrent users, and the type of activities each user performs). In addition, network and workstation operating systems, third-party software products, and our own products are continuously updated with new features and options, which often place greater demands on hardware.

Blackbaud recommends the purchase of top-of-the-line equipment when possible and that organizations budget for continual upgrades to their system.

Blackbaud staff may provide limited informal guidance based on information made available. However, neither these system requirements nor our staff's guidance constitute a guarantee of compatibility, outcome, or performance. We encourage organizations to consult their own systems staff or outside technical experts to ensure appropriate results. Comprehensive technical consulting services are available through Blackbaud. Under a separate consulting arrangement, our consultants evaluate the installation of all Blackbaud applications and recommend optimal hardware and system configuration options. For more information email solutions@blackbaud.com.