

Abila Millennium System Requirements

Web Server (IIS) Requirements

Important! The Web Server (IIS) *cannot* be the primary or backup domain controller.

Component	System Requirements
Operating System	<ul style="list-style-type: none">• Windows Server 2012 R2• Windows Server 2016
Software	<ul style="list-style-type: none">• Oracle sites: Oracle 11.2.0.1 or newer, including Oracle 12. Client tools installed on the Web Server (IIS): Oracle 32 bit: Oracle 11.2 or newer.• Internet Information Services (IIS) 7.0 or later, depending on your operating system.• Microsoft .NET Framework 4.5 Full. However, the installation wizard will install .NET 4.5 before it begins installing Abila Millennium2017.1 if it is not installed.• Crystal 2008 SP4 runtime components will be installed if they are not already on the Web Server (IIS) computer. These components are needed to view On Demand reports.• A security certificate (SSL) must be implemented. Important! To access Millennium Drive, SSL <i>must</i> be implemented. You must use a valid SSL certificate. We strongly recommend not using a self-signed certificate.
Processor (CPU)	<ul style="list-style-type: none">• Intel 2 GHz Pentium-or better. Larger networks and database will require faster processors.
Memory (RAM)	<ul style="list-style-type: none">• 4 GB minimum. More memory may be required for larger databases. Please refer to your SQL Server requirements.
Disk Space	<ul style="list-style-type: none">• 4 GB minimum for system and program.

Web Server Roles and Features

The Millennium IIS Server must be configured with the roles and features described in the following sections.

System Services

The following IIS system services must be installed and active when you install Millennium.

Display Name	Service Name	Start
Application Host Helper Service	AppHostSvc	Automatic
ASP.NET State Service	aspnet_state	Manual
IIS Admin Service	IISADMIN	Automatic
Simple Mail Transfer Protocol (SMTP)	SMTPSVC	Automatic
Windows Process Activation Service	WAS	Automatic
World Wide Web Publishing Service	W3SVC	Automatic
Web Management Service	WMSVC	Manual

IIS Roles

The following IIS role services must be installed and active when you install Millennium.

Name	Components
Common HTTP Features	<ul style="list-style-type: none">• Default Document• Directory Browsing• HTTP Errors• HTTP Redirection• Static Content
Health and Diagnostics	<ul style="list-style-type: none">• Custom Logging• HTTP Logging• Logging Tools• ODBC Logging• Request Monitor• Tracing
Performance	<ul style="list-style-type: none">• Dynamic Content Compression\• Static Content Compression
Security	<ul style="list-style-type: none">• Basic Authentication• Request Filtering

Name	Components
Management Tools	<ul style="list-style-type: none"> • IIS Management Console • IIS Management Scripts and Tools • Management Service
Application Development	<ul style="list-style-type: none"> • .NET Extensibility 3.5 • .NET Extensibility 4.5 • Application Initialization • ASP • ASP .NET 3.5 • ASP .NET 4.5 • CGI • ISAPI Extensions • ISAPI Filters

IIS Features

The following IIS features must be installed and active when you install Millennium.

Name	Path
.NET Framework 3.5 Features	.NET Framework 3.5 (includes .NET 2.0 and 3.0)
.NET Framework 4.5 Features	<ul style="list-style-type: none"> • .NET Framework 4.5 • ASP .NET 4.5 • WCF Services\TCP Port Sharing
Remote Server Administration Tools	<ul style="list-style-type: none"> • Feature Administration Tools • SMTP Server Tools (Required for SMTP Server)
SMTP Server	SMTP Server

Name	Path
Windows Process Activation Service	Process Model
WoW64 Support	WoW64 Support

Database Server Requirements

Component	System Requirements
Processor (CPU)	<ul style="list-style-type: none"> Multi-processor 2 GHz Pentium or better. <p><i>Larger networks and databases will require faster processors.</i></p>
Memory (RAM)	<ul style="list-style-type: none"> 4 GB minimum. More memory may be required for larger databases. <p>Please refer to your SQL Server requirements.</p>
Disk Space	<ul style="list-style-type: none"> 6 GB minimum for system and program. <p><i>Disk space will need to increase as your database size increases.</i></p>

Database Requirements

Component	System Requirements
Database Engine	<p>One of the following SQL Server versions:</p> <ul style="list-style-type: none"> SQL Server 2016 installed in Mixed Mode SQL Server 2014 installed in Mixed Mode The collation on the milldata and millreports database must match, and we recommend using Latin 1_General_BIN. However, if the master and tempdb databases have a collation other than Latin 1_General_BIN, you may need to select a different collation. To eliminate collation issues when joining on character columns between databases, the milldata, millreports, master, and tempdb databases should have the same collation. Regardless of character set, use a BIN (binary) sort. <hr/> <ul style="list-style-type: none"> Oracle sites: Oracle 11.2.0.1 or newer, including Oracle 12. Client tools that are installed on the Web Server (IIS) and Reporting Server computers: Oracle 32 bit: Oracle 11.2 or newer.

Reporting Server Requirements

Component	System Requirements
Operating System	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2016
Software	<ul style="list-style-type: none"> • Microsoft .NET Framework 4.5 Full. However, the installation wizard will install .NET 4.5 before it begins installing the Abila Millennium 2017.1 Reporting Server if it is not installed. • Crystal 2008 SP4 runtime components will be installed. Report writers can use Crystal 8.5, 9, 10, XI Professional Edition, or Crystal 2008. Crystal 2011 can be used by report writers but some of its new features, notably the RPTR report format and export to docx and xlsx, will not function. Refer to <i>KB article 1086</i> at http://kb.abila.com for specific version compatibility information.
Database Engine	<p>If data is replicated from your production database for this reporting server, you need one of the supported database engines for the replicated database:</p> <ul style="list-style-type: none"> • SQL Server 2016 installed in Mixed Mode • SQL Server 2014 installed in Mixed Mode • The collation on the milldata and millreports database must match, and we recommend using Latin 1_General_BIN. However, if the master and tempdb databases have a collation other than Latin 1_General_BIN, you may need to select a different collation. To eliminate collation issues when joining on character columns between databases, the milldata, millreports, master, and tempdb databases should have the same collation. Regardless of character set, use a BIN (binary) sort. • Oracle sites: Oracle 11.2.0.1 or newer, including Oracle 12. <p>Client tools installed on the Web Server (IIS) and on the Reporting Server: Oracle 32 bit: Oracle 11.2 or newer.</p>

Component	System Requirements
Processor (CPU)	<ul style="list-style-type: none">• Intel 2 GHz Pentium or better.• Multiprocessor 1 GHz Pentium or better (replicated). <p><i>Larger networks and databases require faster processors.</i></p>
Memory (RAM)	<ul style="list-style-type: none">• 2 GB minimum. More memory may be required for larger databases. <p>Please refer to your SQL Server requirements.</p>
Disk Space	<ul style="list-style-type: none">• 4 GB minimum for system and program.

Workstation Requirements

Component	System Requirements
Operating System	<ul style="list-style-type: none"> • Windows 10 • Windows 8.x, 64 bit • Windows 7 <p><i>The latest service pack is recommended.</i></p>
Windows System Software	<ul style="list-style-type: none"> • Microsoft Internet Explorer 11.0 is required for Millennium Version 2017.1. Earlier versions of Microsoft Internet Explorer will not work with the Millennium Reporter. In addition, Compatibility View must be turned off. See Remove Compatibility View for more information. See the <i>Millennium Installation Guide</i> for details on turning off Compatibility View for Millennium. • Latest version of Firefox (Java components will not work.) • Latest version of Chrome (Java components will not work.) • Sun Java 1.8.0_73, or later • Adobe Acrobat Reader • Outlook 2007, 2010, 2013, or 2016 are required if you will be integrating Abila Millennium Tasks with Microsoft Outlook, and/or uploading Abila Millennium contact information into Outlook contacts. The Outlook client must be installed on each workstation. <p><i>Disable the pop-up blocker feature on your browsers. Blocking pop-ups interferes with some functionality, including Help and Linking.</i></p> <p>Important! Before you access a new version of Millennium for the first time, make sure you clear the browser cache.</p>

Component	System Requirements
Macintosh System Software	<ul style="list-style-type: none">• Macintosh OS 10.8.5• Latest version of Firefox (Java components will not work.)• Sun Java 1.8.0_73, or later• Adobe Acrobat Reader <p><i>Disable the pop-up blocker feature on your browsers. Blocking pop-ups may interfere with some functionality, including Help and Linking.</i></p> <p>Important! Before you access a new version of Millennium for the first time, make sure you clear the browser cache.</p>
Processor (CPU)	<ul style="list-style-type: none">• Intel 2 GHz Pentium or better.
Memory (RAM)	<ul style="list-style-type: none">• 1 GB minimum
Video Adapter	<ul style="list-style-type: none">• Capable of 1024 x 768 resolution or higher• 32-bit color

Visual Analyzer (QlikView) Requirements

Important! Do not install Visual Analyzer (QlikView) on the same server as your Abila Millennium Web Server (IIS).

Component	System Requirements
Operating System	<ul style="list-style-type: none"> • Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2016
Software	<p>Internet Information Services (IIS) 7.0 or 7.5, including the following components:</p> <ul style="list-style-type: none"> • Web Server: <ul style="list-style-type: none"> • Application Development - All • Security: Windows Authentication, Basic Authentication, Request Filtering, IP and Domain Restrictions. • Management Tools - IIS Management Console <p>Oracle sites:</p> <p>Client tools installed on the Web Server (IIS) and on the Reporting Server:</p> <p>Oracle 32 bit: Oracle 11.2 or newer client tools.</p> <p>Oracle 64 bit: Oracle 11.2 or newer client tools. Both 32-bit and 64-bit client tools must be installed.</p>
Processor (CPU)	<ul style="list-style-type: none"> • Intel 2 GHz Pentium-or better.
Memory (RAM)	<ul style="list-style-type: none"> • 4 GB minimum.

Visual Analyzer (QlikView) Desktop Operating System Requirements

Platforms	
	<ul style="list-style-type: none"><li data-bbox="511 394 857 422">• Microsoft Windows 7, 64 bit<li data-bbox="511 457 878 485">• Microsoft Windows 8.1, 64 bit<li data-bbox="511 520 873 548">• Microsoft Windows 10, 64 bit<li data-bbox="511 583 943 611">• Microsoft Windows Server 2012 R2<li data-bbox="511 646 906 674">• Microsoft Windows Server 2016
