3

System requirements and prerequisites

The Sage 200 Suite is a modular system made up of the Sage 200 core components and optional market-specific vertical modules that integrate with the core product. When determining your system requirements, you must make sure that you have considered the requirements for the Sage 200 core components and each of the optional Sage 200 modules that you want to use, as different modules have different system requirements.

Supported Operating Systems – Core Modules

Sage 200 Core Modules	Windows XP Professional (32-bit only)	Windows Vista (32-bit only) (Business & Ultimate Editions)	Windows 7 (32-bit and 64-bit) (Professional, Enterprise & Ultimate Editions)	Windows Server 2003 (32-bit and 64-bit).Standard & Enterprise Editions, 2003 & 2003 R2	Windows 2003 Small Business Server (Standard & Premium Editions)	Windows Server 2008 (32-bit and 64-bit). Standard & Enterprise Editions, 2008 and 2008 R2	Windows 2008 Small Business Server (Standard & Premium Editions)
Sage 200 Core Components							
Sage 200 File Server	✘	✘	✘[1]	✔	✔	✔	✔
Sage 200 Application Server	✘	✘	✘[1]	✔	✔	✔	✔
Sage 200 Financials Client	✔	✔	✔	✔	✔	✔	✔
Sage 200 CRM							
Sage 200 CRM Server	✘	✘	✘[1]	✔	✔	✔	✔
Sage 200 CRM Client	✔	✔	✔	✔	✔	✔	✔
Sage 200 Business Intelligence [2]							
Sage 200 Business Intelligence Server	✘	✘	✘[1]	✔[3]	✔[3]	✔[3]	✔[3]
Sage 200 Business Intelligence Client (including Sage 200 BI Admin Tool)	✔	✔	✔	✔	✔	✔	✔
Sage 200 Business Intelligence Excel Client	✔	✔	✔	✔	✔	✔	✔

[1] Operating System not supported for production environments but may be used for demonstration and training purposes only.

[2] Sage 200 Business Intelligence requires Analysis Services, which is included with Microsoft SQL Server 2005 Standard Edition and Microsoft SQL Server 2008 Standard Edition (32-bit and 64-bit) and is only supported on these versions of SQL Server. Other editions of Microsoft SQL Server are supported if Sage 200 Business Intelligence is not required.

[3] Additional configuration may be required if the server is also a domain controller. Refer to the Deployment and Installation Guide included on the Sage 200 Suite DVD for further details.

Supported Operating Systems – Optional Modules

Sage 200 Optional Modules	Windows XP Professional (32-bit only)	Windows Vista (32-bit only) (Business & Ultimate Editions)	Windows 7 (32-bit and 64-bit) (Professional, Enterprise & Ultimate Editions)	Windows Server 2003 (32-bit and 64-bit),Standard & Enterprise Editions, 2003 & 2003 R2	Windows 2003 Small Business Server (Standard & Premium Editions)	Windows Server 2008 (32-bit and 64-bit), Standard & Enterprise Editions, 2008 and 2008 R2	Windows 2008 Small Business Server (Standard & Premium Editions)
Sage 200 Commercials							
Sage 200 Commercials Client	✔	✔	✔	✔	✔	✔	✔
Sage 200 Remote Authorisation	✘	✘	✘ [4]	✔	✔	✔	✔
Sage 200 Project Accounting							
Sage 200 Project Accounting Client	✔	✔	✔	✔	✔	✔	✔
Sage 200 Self Service (WTE)							
Sage 200 WTE Server	✘	✘	✘ [4]	✔	✔	✔	✔
Sage 200 Manufacturing							
Sage 200 Manufacturing Server	✘	✘	✘ [4]	✔ [5]	✔	✔ [5]	✔ [5]
Sage 200 Manufacturing Client	✔	✔	✔ [5]	✔ [5]	✔	✔ [5]	✔ [5]
Sage 200 Wholesale & Retail							
Sage 200 Wholesale & Retail Server	✘	✘	✘ [4]	✔	✔	✔	✔
Sage 200 Wholesale & Retail Client	✔	✔	✔	✔	✔	✔	✔
Sage 200 Migration Tool							
Sage 200 Migration Tool	✔	✔	32-bit only	32-bit only	✔	32-bit only	✘
Sage 200 Construction							
Sage 200 Construction	See 'Sage 200 Construction Release Notes' for further details						

Notes:

We recommend that you install the latest service packs and Windows Updates for both your client and server operating system and database management system.

All modules in the Sage 200 Suite are 32-bit applications. Where supported on 64-bit platforms, the system runs in WOW64 emulation mode.

The Sage 200 suite does not support Itanium chipsets.

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[4] Operating System not supported for production environments but may be used for demonstration and training purposes only.

[5] If you are intending to use Graphical Planner with Manufacturing, you must use 32 bit processors and 32 bit operating systems.

Other supported components

Supported Database Systems

Microsoft SQL Server 2005 Workgroup Edition with Service Pack 4
Microsoft SQL Server 2005 Standard Edition with Service Pack 4 (32 and 64-bit editions)
Microsoft SQL Server 2008 Workgroup, Standard and Enterprise Editions with Service Pack 2 (32 and 64-bit editions)
Microsoft SQL Server 2008 R2 Workgroup, Standard and Enterprise Editions (32 and 64-bit editions)

Note: Sage 200 Business Intelligence requires Analysis Services. This is included with Microsoft SQL Server 2005 Standard and Enterprise Editions and Microsoft SQL Server 2008 and R2 Standard and Enterprise Editions (32-bit and 64-bit). It is only supported on these versions of SQL Server.

Supported Editions of Microsoft Office

Microsoft Office 2003 – Standard, Small Business and Professional Editions
Microsoft Office 2007 – Standard, Small Business, Professional, Ultimate and Enterprise Editions
Microsoft Office 2010 - Standard, Professional and Professional Plus Editions

Important: The Sage 200 Suite is not supported on 64-bit editions of Microsoft Office or Microsoft Office 365.

Supported Editions of Sage Payroll

Sage Payroll v16.04 – Standard, Professional and Bureau Editions
Sage Payroll v17.01 – Standard, Professional, and Bureau Editions

Browser Support

Sage 200 Browser Based Components	CRM	WTE	Remote Authorisation
Microsoft Internet Explorer v7	✔	✖	✔
Microsoft Internet Explorer v8	✔	✔	✔
Microsoft Internet Explorer v9	✖	✔	✖
Firefox v3.6.3	✖	✔	✔

Sage 200 Mobile - Supported Devices

Device	Supported Operating System
Blackberry Curve (8520, 8900)	Blackberry OS 4.5
Black berry Curve (890, Curve 3G)	Blackberry OS 5
Blackberry Bold (9000, 9700)	Blackberry OS 5
iPhone 3G	OS 3.2 / 4.0 / 4.2
iPhone 3GS	OS 3.2 / 4.0 / 4.2
iPhone 4	OS 4.0 / 4.2
iPad (iPhone App)	OS 3.2 / 4.0 / 4.2
iPod Touch	OS 3.2 / 4.0 / 4.2

Minimum Supported System Requirements

These are the **minimum** specifications for each of the machine types in a Sage 200 Suite deployment. Users with large databases or high numbers of concurrent users will require higher specifications.

Due to the wide variation of companies that use the Sage 200 Suite, it is not possible to give exact specifications for each system. Factors such as the concurrent number of users, size of the database and estimated growth should all be taken into consideration when sizing a server.

When tasks are processed, CPU and memory resources are used on both the client and the server. Therefore, the specification of both machines will affect the overall performance of the system.

If you are planning on running more than 50 concurrent users of the Sage 200 Suite, or expect to process a significant number of transactions, please contact us for specialist advice regarding system specification and deployment. See http://support.sage.co.uk for contact details.

Single Server Deployment

Sage 200 Server	Processor	Disk	Memory	Network	Video
Combined Sage 200 File, Application and Web Server with Microsoft SQL Server	Dual-core 2.6GHz or equivalent	7,200 rpm SATA with 4GB disk space after SQL Server is installed.	4GB	Gigabit Ethernet	1024x768

Sage 200 Server with Sage 200 CRM	Processor	Disk	Memory	Network	Video
Combined Sage 200 File, Application and Web Server with Sage 200 CRM and Microsoft SQL Server	Dual-core 2.6GHz or equivalent	7,200 rpm SATA with 4GB disk space after SQL Server is installed.	8GB	Gigabit Ethernet	1024x768

Sage 200 Client	Processor	Disk	Memory	Network	Video
Client	2.8GHz Pentium 4 or equivalent (e.g. Dual Core 1.6GHz)	7,200 rpm SATA with 500MB disk space required.	2GB	100 mbit Ethernet	1024x768

Split Server Deployment

SQL and Sage 200 File Server	Processor	Disk	Memory	Network	Video
Sage 200 File Server with Microsoft SQL Server	Dual-core 2.6GHz or equivalent	7,200 rpm SATA with 1GB disk space after SQL Server is installed.	4GB	Gigabit Ethernet	1024x768

Application Server	Processor	Disk	Memory	Network	Video
Sage 200 Application Server	Dual-core 2.6GHz or equivalent	7,200 rpm SATA with 1GB disk space required.	2GB	Gigabit Ethernet	1024x768

Web Server (WTE/Remote Authorisation)	Processor	Disk	Memory	Network	Video
Sage 200 Web Server	3.0GHz Pentium 4 or equivalent (e.g. Dual Core 1.6GHz)	7,200 rpm SATA with 2GB disk space required.	2GB	Gigabit Ethernet	1024x768

CRM Server	Processor	Disk	Memory	Network	Video
Sage 200 CRM Server	Dual-core 2.6GHz or equivalent	7,200 rpm SATA with 2GB disk space required.	4GB	Gigabit Ethernet	1024x768

Sage 200 Client	Processor	Disk	Memory	Network	Video
Client	2.8GHz Pentium 4 or equivalent (e.g. Dual Core 1.6GHz)	7,200 rpm SATA with 500MB disk space required.	2GB	100 mbit Ethernet	1024x768

Prerequisites for the Sage 200 Suite

Before you install the Sage 200 Suite v2011, you must make sure the required prerequisites are installed on your system. You must also make sure that your installations of Microsoft SQL Server and Microsoft Internet Information Services (IIS) have the required settings.

Pre-requisites

- Microsoft SQL Server running in Mixed Mode (SQL Server and Windows Authentication mode) with Server Collation set to Latin1, General, Case Insensitive (CI), Accent Sensitive (AS).

- Machines running the Sage 200 Suite must have a physical c:\ drive although the suite can be installed and run from a drive other than c:\.

- Microsoft Internet Information Services (IIS) v6 or greater

- Microsoft DotNet Framework v3.5 Service Pack 1

  This is included on the Sage 200 Suite v2011 DVD.

- Microsoft DotNet Framework v4.0

  This is included on the Sage 200 Suite v2011 DVD.

The following components are installed automatically if they are not found on your system:

- Microsoft Web Service Enhancements (WSE) v3.0 Runtime
- Microsoft Windows Installer v3.1
- Microsoft Management Console v3.0

Required settings for Microsoft Internet Information Services (IIS)

- IIS v6 must have ASP and ASP.NET.
- IIS v7 and IIS v7.5 must have the following settings:
  - Web Management Tools

    IIS Management Console
  - Web Management Tools > IIS 6 Management Compatibility

    IIS 6 WMI Compatibility

    IIS Metabase and IIS 6 configuration compatibility
  - World Wide Web Services > Application Development Features

    .Net Extensibility

    ASP

    ASP.NET

    ISAPI Extensions

    ISAPI Filters
  - World Wide Web Services > Common HTTP Features

    Default Document

    Directory Browsing

    HTTP Errors

    HTTP Redirection

    Static Content
  - World Wide Web Services > Security

    Request Filtering

General Considerations

Before you install the Sage 200 Suite, it is important that you decide which modules you require.

You must make sure that your system complies with the Sage 200 system requirements. Different modules have different system requirements, and some modules are dependent on other modules being installed first.

See the System requirements and prerequisites on page 3 for an outline of the system requirements for each module of the suite.

You must also consider the following when designing your system:

- You can only install Sage 200 Web Time and Expenses (WTE) if you have Sage 200 Project Accounting.

- You can run Sage 200 with Manufacturing or Sage 200 with Wholesale and Retail, but not both.

- If you are upgrading, you must uninstall your previous version of the Sage 200 Suite and manually remove the existing websites, prior to installing Sage 200 v2011.

  See Upgrading from v2009 or v2010 on page 18.

- If you are installing Sage 200 on Microsoft Business Server 2008 or a server that also hosts other web based applications, such as Microsoft Exchange or Microsoft Terminal Services Gateway, you must run the Sage 200 64bit Web Service config.bat before installing the Sage 200 Suite. This file can be found on the Sage 200 Suite v2011 DVD.

  See Installing the Sage 200 Suite on Microsoft Small Business Server 2008 on page 34.

- The Sage 200 Suite is designed to run in a domain based network environment. The only scenario where Sage is supported in a workgroup network environment is where all elements of the Sage 200 Suite are installed on a single server and accessed by clients on the local area network.

- By default, the Sage 200 Self Service (WTE) and Sage 200 Remote Authorisation web sites are only accessible from your internal network. This is because the SSL certificates used to secure these sites are based on the machine name and are not accessible externally.

  Sage 200 CRM is installed to the default website. This is not configurable. By default, the website is published using http. This is not a secure connection.

  If you want to access Sage 200 Self Service, Sage 200 Remote Authorisation, or Sage 200 CRM externally across the Internet, you must provide a commercial, externally addressable SSL certificate. You must edit the bindings on the website to use the new certificate.

- The Sage 200 Suite v2011 automatically creates the following application pools, websites and bindings. We recommend that you do not change these settings:

Website	Application Pool	Binding	Path
Sage 200 Application Services	Sage200	:10080 (http) :10443 (https)	C:\inetpub\Sage 200 App Services
Sage 200WCFServices (Virtual directory under Sage 200 Application services)	Sage200WCF	n/a	C:\inetpub\Sage 200 App Services\Sage200WCFServices
Sage 200 Remote Auth	Sage 200 Remote Authorisation	:10081 (http) :10444 (https)	C:\inetpub\Sage 200 Remote Auth
Sage 200 Self Service	Sage200SelfService	:10082 (http) :10445 (https)	C:\inetpub\Sage 200 Self Service

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Note:

If you have an application that already uses the ports listed above you must install the Sage 200 Suite from a command line using the following parameters:

For example if d:\ is your DVD drive and ports 11444,11445,and 11446 are your desired ports:

Msiexe.exe /i "d:\sage200.msi" SAGE200ADMINWEBSITEPORT=11444

SAGE200REMOTEAUTHWEBSITEPORT=11445

SAGE200SELFSERVICEWEBSITEPORT=11446

Take care when assigning port numbers as many port numbers are already assigned to other Windows services or applications.

The following table shows the names of the SSL Certificates bound to these ports.

Binding	Certificate
:10443 (https)	Sage 200 Self Service SSL Certificate_wixCert_0
:10444 (https)	Sage 200 Application Services SSL Certificate_wixCert_0
:10445 (https)	Sage 200 Remote Authorisation SSL Certificate_wixCert_0