



# Bp Premier|Spectra

## Windows Profile and System Requirements

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Bp Premier is tested in a variety of environments including virtualised machines (VM). However, issues may still occur in environments that meet the system requirements but vary from a standard Windows configuration, such as the number of concurrent applications on the same server.

Best Practice Software will make all efforts to triage and resolve issues relating to Bp Premier. If issues are found that relate to hardware configuration, Best Practice Software Support will offer guidance to resolve the issue with the client and the client's chosen IT or Infrastructure provider.

## Database

Best Practice Software provides support for Bp Premier on a version of SQL Server that still receives support from Microsoft (has not yet reached Support [End of Life](#)).

### Minimum requirements

- SQL Server 2016 or later.

### Latest supported version

- SQL Server 2022.

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## Operating system

Best Practice Software provides support for Bp Premier on a version of Windows that still receives support from Microsoft (has not yet reached Support [End of Life](#)).

### Minimum requirements

- Windows 10, Version 2H22 or later.
- Windows Server 2016.

### Latest supported versions

- Windows 11, Version 23H2.
- Windows Server 2022.

**NOTE** When new Windows Server and SQL Server versions are released, there will be a delay between the release date and updating of the system requirements while our development team test installing and running Bp Premier on the new version. Limitations identified during testing by Best Practice Software or our Practices are listed in the system requirements section.

**IMPORTANT** Windows and Database maintainers **MUST** monitor their versions for [End of Life](#) from Microsoft, note the upcoming EOL times, and plan to upgrade accordingly. While systems may still run Bp Premier after their extended support window has closed, security and feature updates will not be released for this version and can result in security risks. Search products and services for end of lifecycle information [here](#).

## Windows operating system

Best Practice Software provide support for Bp Premier on a version of Windows receiving **Mainstream** support from Microsoft.

These resources will help you find out the Microsoft Lifecycle status for your version of Windows:

1. This [Microsoft Support Lifecycle article](#) provides lifecycle guidance for the following: Windows 10, Windows 11, Windows Server.
2. Or you can search for your Windows version from the [Search Product and Services Lifecycle Information page](#).
3. If your Windows version has entered the Extended Support phase or is out of support, Best Practice Software recommend that you organise with your IT service provider to upgrade Windows to a version covered by Mainstream Support before you install or upgrade Bp Premier.

By ensuring your Windows version stays in Mainstream Support, you reduce the chance of issues occurring because Windows feature updates or security patches have not been applied.

**IMPORTANT** If you or your IT service provider has disabled or deferred Windows Automatic Updates, Best Practice Software strongly recommend that your practice regularly (at least annually) install all outstanding Windows service packs and security updates to keep your operating system functional and secure.

### I have an older version of Windows. Will Bp Premier still run?

Many of our practices successfully run Bp Premier on older versions of Windows that may have passed Mainstream or Extended Support while they wait for an opportunity to upgrade their practice computers. From [this Microsoft Lifecycle FAQ article](#):

**When a Windows operating system (OS) reaches the end of its lifecycle or is no longer supported, does that mean new programs will not run on that OS?**

Once a Microsoft operating system (OS) reaches the end of support, customers will no longer receive security updates. The OS may still work with programs and hardware after the sale or support of the operating system has been discontinued. However, the possibility increases that new programs and hardware will not be performant on an older OS. This frequently occurs because the manufacturers of new hardware and software make product-design decisions that take



advantage of the increased functionality and features in newer operating systems. These manufacturers may decide to discontinue support of their products on older operating systems as appropriate.

The issue with running Bp Premier on older versions of Windows is usually not performance or processing power, but that security patches and feature enhancements are no longer provided by Microsoft. Bugs and security gaps can exist in older Windows versions that will not be rectified without upgrading the version.

## Installing Bp Premier on a Domain Controller

In line with [Microsoft best practices](#), installing Bp Premier Server on a machine that also acts as a domain controller is not recommended, as this can cause issues with SQL Server and Bp Premier Services. Best Practice Software Support may be unable to assist with issues encountered where a Bp Premier Server is also a Domain Controller.

SQL backups that depend on the SQL Server VSS Writer could fail if Bp Premier is deployed as a server on the domain controller.

## Microsoft .NET Framework Compatibility

For Bp Premier to operate successfully, the following versions of Microsoft .NET framework are required:

- Bp Premier version Orchid Service Pack 1 requires Microsoft .NET Framework 4.7 to operate successfully.
- Bp Premier version Orchid Service Pack 2 requires Microsoft .NET Framework 4.8 to operate successfully.

If you are using an older version of Windows, Best Practice Software recommends that you speak with your IT provider about upgrading your operating system before upgrading Bp Premier.

The following links may assist with the operating system requirements for .NET Framework:

- [Which .NET version is installed on my PC?](#)
- [Which Windows versions support .NET Framework?](#)

## SQL Server Database

Best Practice Software provide support for Bp Premier on a version of SQL Server receiving **Mainstream** or **Extended** support from Microsoft. Extended support includes [Microsoft extended security updates](#), which may be available for purchase even after initial Extended Support has ended for some SQL Server products.

These resources will help you find out your version of SQL Server and the Microsoft Lifecycle status for that version:

1. This [Microsoft SQL Server Lifecycle article](#) provides lifecycle guidance for SQL Server 2012 and the options for upgrading.
2. Or you can search for your SQL Server version from the [Search Product and Services Lifecycle Information page](#).
3. If your SQL Server version is no longer covered by Microsoft Extended Support, Best Practice Software recommend that you organise with your IT service provider to upgrade to a version covered by Extended Support.

By ensuring your SQL Server version stays in Extended Support, you reduce the chance of issues occurring because feature updates or security patches have not been applied.

## SQL Server Express

SQL Server Express is installed by default with new Bp Premier installations. If your BPSPatients database is approaching 10GB in size, or the requirements calculator recommends more than 6 CPU cores for your server, Best Practice Software recommend that you upgrade to SQL Standard or Enterprise for best performance running Bp Premier.

## Hardware and Network

### Server

The following minimum and recommended requirements can be used by practices with around three doctors. Practices larger than this should review the [Requirements for Larger Practices section](#).

Note that these specifications may change if the server machine is running any other applications and will need to be reviewed by your IT provider.

Item	Minimum requirements	Recommended Requirements
Processor	x64 based Intel or AMD processor equivalent to or better than Intel Core i7 (8th Generation or higher). <sup>1</sup>	x64 based Intel or AMD processor equivalent to or better than Intel Core i7 (10th Generation or higher). <sup>1</sup>
RAM	8GB	16GB
Hard Drive	SATA hard drive @ 7,200 RPM minimum	SSD disk drive
Free disk space	Enough disk space to hold your database + 10GB minimum free disk space at all times while running Bp Premier as a server.	Enough disk space to hold your database + 20GB minimum free disk space at all times while running Bp Premier as a server.

1. Due to SQL Server licensing rules, if running SQL Server Express the first four cores must be on one socket, if running SQL standard your cores must be distributed between a maximum of four sockets.

## Client

The following minimum and recommended specifications are for running a Bp Premier client installation. These specifications may be affected if the client machine is running a large number of applications.

If you will be using Remote Download functionality on this machine, please consider the Recommended rather than Minimum requirements.

Item	Minimum requirements	Recommended Requirements
Processor	x64 based Intel or AMD processor equivalent to or better than Intel Core i5 (6th Generation or higher)	x64 based Intel or AMD processor equivalent to or better than Intel Core i7 (8th Generation or higher)
RAM	4GB	8GB
Hard Drive	SATA hard drive @ 7,200 RPM minimum	SSD disk drive
Free disk space	10GB minimum free disk space at all times while running Bp Premier.	20GB minimum free disk space at all times while running Bp Premier.

## Network Connection

Item	Requirements
Latency	Bp Premier is designed for use between a client and server on a local network. The network connection between the client and server must therefore be of local network latency (<3ms) for Bp Premier to perform optimally.
Bandwidth	A gigabit network connection is recommended between the client and server



## Monitor

Minimum 15" monitor, running a resolution of at least **1152 x 768** at 16-bit colour or better and an SVGA compatible graphics card. Best Practice Software recommend using a 17" monitor running a resolution of at least **1280 x 1024** at 32-bit colour and an SVGA compatible graphics card.

## Drive Compression

Best Practice Software does not recommend enabling drive compression on hard drives where the SQL database is stored, as this is known to interfere with some database functionality.

The behaviour of SQL Server database file storage on compressed drives is described in more detail in this [Microsoft support article](#).

## Language

The language in Windows on the Bp Premier server must be set to English (Australia). Setting other languages may cause issues with the Word Processor and with certain text fields.



## Requirements for larger practices

The amount of resources required to run Bp Premier depends on the number of concurrent users. The below table displays the recommended amount of RAM and CPU cores that will be required to run the Bp Premier server at your Practice.

- **Concurrent users** is the maximum number of users that will be connected to your server at any given time.
- **Third-party memory** is the total memory required for third-party apps also running on the Bp Premier server. You will have to add up the memory required that is recommended by your third-party vendors. This value requires a minimum of 2GB.

Concurrent users	Third-party memory	Processor (minimum) x64 based modern Server processor capable of running the supported server editions above with at least:	Processor (recommended) x64 based modern Server processor capable of running the supported server editions above with at least:	RAM (minimum)	RAM (recommended)	SQL Server Standard Version Required? (minimum)	SQL Server Standard Version Required? (Recommended)
3	2	4 cores	4 cores	8GB  SQL Server limited to 4GB if running SQL Standard, with 4GB left available for Windows.	16GB  SQL Server limited to 10GB if running SQL Standard, with 6GB left available for Windows.	No	No
4	4	4 cores	4 cores	10GB  SQL Server limited to 3GB if running SQL Standard, with 7GB left available for Windows.	16GB  SQL Server limited to 8GB if running SQL Standard, with 8GB left available for Windows.	No	No

Concurrent users	Third-party memory	Processor (minimum) x64 based modern Server processor capable of running the supported server editions above with at least:	Processor (recommended) x64 based modern Server processor capable of running the supported server editions above with at least:	RAM (minimum)	RAM (recommended)	SQL Server Standard Version Required? (minimum)	SQL Server Standard Version Required? (Recommended)
4	8	6 cores	6 cores	14GB  SQL Server limited to 2GB if running SQL Standard, with 12GB left available for Windows.	16GB  SQL Server limited to 4GB if running SQL Standard, with 12GB left available for Windows.	Yes	Yes
5	3	4 cores	4 cores	9GB  SQL Server limited to 3GB if running SQL Standard, with 6GB left available for Windows.	16GB  SQL Server limited to 9GB if running SQL Standard, with 7GB left available for Windows.	No	No
5	5	5 cores	5 cores	11GB  SQL Server limited to 3GB if running SQL Standard, with 8GB left available for Windows.	16GB  SQL Server limited to 7GB if running SQL Standard, with 9GB left available for Windows.	Yes	Yes
5	8	6 cores	6 cores	14GB  SQL Server limited to 2GB if running SQL Standard, with 12GB left available for Windows.	16GB  SQL Server limited to 4GB if running SQL Standard, with 12GB left available for Windows.	Yes	Yes

Concurrent users	Third-party memory	Processor (minimum) x64 based modern Server processor capable of running the supported server editions above with at least:	Processor (recommended) x64 based modern Server processor capable of running the supported server editions above with at least:	RAM (minimum)	RAM (recommended)	SQL Server Standard Version Required? (minimum)	SQL Server Standard Version Required? (Recommended)
8	2	4 cores	4 cores	9GB  SQL Server limited to 4GB if running SQL Standard, with 5GB left available for Windows.	16GB  SQL Server limited to 10GB if running SQL Standard, with 6GB left available for Windows.	No	No
8	5	5 cores	6 cores	12GB  SQL Server limited to 4GB if running SQL Standard, with 8GB left available for Windows.	16GB  SQL Server limited to 7GB if running SQL Standard, with 9GB left available for Windows.	Yes	Yes
8	8	6 cores	7 cores	15GB  SQL Server limited to 3GB if running SQL Standard, with 12 GB left available for Windows.	16GB  SQL Server limited to 4GB if running SQL Standard, with 12GB left available for Windows.	Yes	Yes

Concurrent users	Third-party memory	Processor (minimum) x64 based modern Server processor capable of running the supported server editions above with at least:	Processor (recommended) x64 based modern Server processor capable of running the supported server editions above with at least:	RAM (minimum)	RAM (recommended)	SQL Server Standard Version Required? (minimum)	SQL Server Standard Version Required? (Recommended)
10	2	4 cores	5 cores	9GB  SQL Server limited to 4GB if running SQL Standard, with 5GB left available for Windows.	16GB  SQL Server limited to 10GB if running SQL Standard, with 6GB left available for Windows.	No	Yes
10	5	5 cores	6 cores	12GB  SQL Server limited to 4GB if running SQL Standard, with 8GB left available for Windows.	16GB  SQL Server limited to 7GB if running SQL Standard, with 9GB left available for Windows.	Yes	Yes
10	8	6 cores	7 cores	15GB  SQL Server limited to 3GB if running SQL Standard, with 12GB left available for Windows.	17GB  SQL Server limited to 4GB if running SQL Standard, with 13GB left available for Windows.	Yes	Yes
15	2	5 cores	6 cores	11GB  SQL Server limited to 6GB if running SQL Standard, with 5GB left available for Windows.	16GB  SQL Server limited to 10GB if running SQL Standard, with 6GB left available for Windows.	Yes	Yes



Concurrent users	Third-party memory	Processor (minimum) x64 based modern Server processor capable of running the supported server editions above with at least:	Processor (recommended) x64 based modern Server processor capable of running the supported server editions above with at least:	RAM (minimum)	RAM (recommended)	SQL Server Standard Version Required? (minimum)	SQL Server Standard Version Required? (Recommended)
15	5	6 cores	7 cores	14GB  SQL Server limited to 5GB if running SQL Standard, with 9GB left available for Windows.	17GB  SQL Server limited to 7GB if running SQL Standard, with 10GB left available for Windows.	Yes	Yes
15	8	7 cores	8 cores	17GB  SQL Server limited to 4GB if running SQL Standard, with 13GB left available for Windows.	20GB  SQL Server limited to 7GB if running SQL Standard, with 13GB left available for Windows.	Yes	Yes

## Profile and group policy settings

All users who will be running Bp Premier must have Read and Write access to the following registry directory and all sub-directories

- Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\Best Practice Software

All users who will be running Bp Premier must have Read and Write access to the following directories and all sub-directories

- C:\Program Files\Best Practice Software
- C:\ProgramData\Best Practice

Use of profile and temp directory redirection (for example, through FSLogix) on the Windows profiles of users who will be running Bp Premier is not recommended. Such software can cause Windows system calls for renaming files to intermittently fail and cause issues with software running on the machine.

Additionally, redirection of profiles or temp directories for shared user accounts (e.g. if a single reception account is signed on to multiple PCs at the same time) will cause issues for Bp Premier when loading documents. Your Windows environment for Bp Premier users must not be configured this way.

## Allowlisting domains for Bp Cloud Services

To support cloud services included in current and future iterations of Bp Premier, as well as other Best Practice Software products that integrate with Bp Premier, Best Practice Software recommends adding the following to the allowlist in your firewall or proxy systems:

- Ports 5671 and 5672
- bestpractice.online/\*
- bestpractice.link/\*
- login.bestpractice.online/\*
- fielddownloads.bpsoftware.net/\*
- proda-plt-ae-signalr-sites.service.signalr.net/\*
- https://bps-prod-ae-eh-telemetry.servicebus.windows.net/

## Bp Cloud Connector

A component of Bp Premier, Bp Cloud Connector, will be installed as part of the installation or upgrade to Spectra. Bp Cloud Connector is a core component that will support cloud services available in future releases of Bp Premier and other Best Practice Software products that may integrate with Bp Premier.

As part of Bp Cloud Connector, two new Windows Bp services will be installed:

- Best Practice Field Controller
- Best Practice Field Recovery Agent

## Limitations

Item	Description
Hardware	Bp Premier is <b>only supported</b> on <b>64-bit computers built on the x86 architecture</b> ; it does not support ARM processors, 32-bit processors, or environments other than supported x86 64-bit Windows operating systems running on x86 64-bit hardware.
Apple Macintosh	<b>Apple</b> Macintosh desktop or server operating systems <b>are not supported</b> , including running Bp Premier on a Macintosh computer in a virtualised Windows environment.
Windows 10	Bp Premier Orchid and later can run on Windows 10, but you must have updated to at least build 1607 <b>before</b> you install or upgrade to Bp Premier Orchid.
Windows 10 2015 LTSB	Windows 10 2015 LTSB is not supported for Bp Premier versions Saffron SP2 or later. An issue has been identified with the Bp Premier document viewer on this version of Windows 10.
Windows Home	Bp Premier does not support running on Windows <b>Home</b> editions. You must install a 'professional' edition of Windows, such as Windows Pro or Windows Enterprise. The editions available are different for each Windows desktop version.
Windows Small Business Server 2011	Windows Small Business Server 2011 is not supported.

Item	Description
Windows Server Essentials	<p>Windows Server 2012 Essentials and Foundations are not supported.</p> <p>Windows Server 2012 Essentials, 2012 R2 Essentials, and 2016 Essentials linked to Azure Active Directory (AD) or Office 365 are not supported. AD and Office 365 integration enforce a password policy that conflicts with Bp Premier installation.</p>
Database Server Machine Name	<p>The <b>Database Server's Machine Name</b> cannot exceed <b>15 characters</b>. When a machine name exceeds 15 characters, several Bp Premier systems may fail to function correctly. It is advised that the machine name be reduced to less than 15 characters before scheduling a database server restart.</p>
Terminal servers	<p>If installing Bp Premier on a terminal server. Best Practice Software recommend using the <b>Install Application on Remote Desktop</b> option within Microsoft Windows to install the application.</p>