



BARNOWL

Minimum System
Requirements
Version 9

Document Version History

Date	Change
19 February 2019	Updated to include Version 9 Requirements.
25 April 2018	Section 4.6 added. If using Automatic LDAP Integration, a domain service account is required.
10 November 2017	Section 3.1 updated - Data Warehouse - SQL Server 2008 not supported.
May 2017	Minimum System Requirements published for BarnOwl version 8

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Figure 1 shows an illustration of the BarnOwl Hardware Architecture.

Figure 1: BarnOwl Hardware Architecture Diagram

BarnOwl Hardware Architecture Diagram v 9.0

BarnOwl 9 Hardware Architecture

[illegible]

2. Client

This section covers the requirements for each workstation where the BarnOwl Client software will be installed.

2.1 Operating System

The following operating systems are supported for 32 bit and 64 bit:

- Microsoft Windows 10 (Professional and Enterprise)
- Microsoft Windows 8 & 8.1 (Professional, Ultimate and Enterprise)
- Microsoft Windows 7 (Professional, Ultimate and Enterprise)

2.2 Processor

- 1 x 3.4GHz or faster dual core processor

2.3 Available Hard Disk Space

- 10GB available hard drive space on the system root plus 20GB for the offline database

2.4 Minimum Available RAM

- 4GB RAM
- 8GB RAM for the offline database

2.5 Network Card

-
- 100Mb/s Ethernet Network interface Card

2.6 Minimum Screen Resolution

- Minimum screen resolution of 1024x768 (16-bit True Colour)

2.7 Microsoft Office

Microsoft Word and Microsoft Excel are required for the reporting function.

BarnOwl supports the following versions of Microsoft Office for 32 bit and 64 bit:

- Office 2010 (Microsoft Word, Microsoft Excel)
- Office 2013 (Microsoft Word, Microsoft Excel)
- Office 2016 (Microsoft Word, Microsoft Excel)
- Office 365 (Microsoft Word, Microsoft Excel)

2.8 Microsoft SQL Express

If you will be using the Offline function, or are creating a local database, you require Microsoft SQL Express. The following versions of Microsoft SQL Express are supported by BarnOwl for 32 bit and 64 bit:

- Microsoft SQL Express 2016
- Microsoft SQL Express 2014
- Microsoft SQL Express 2012
- Microsoft SQL Express 2008 R2

2.9 Web Browser

The Web Browser is mandatory for web-based voting and action plans. The following browsers are supported by BarnOwl:

- Internet Explorer E 8.1+
- Chrome
- Firefox
- Safari

2.10 Additional Software Requirements

- Microsoft Visual Studio 2010 Tools for Office Runtime plug-in for Word and Excel
- 2007 Office System Driver (Download [here](#))
- .Net Framework 4.5.2 with all updates

3. Database Server

This section covers the requirements for the BarnOwl database server.

3.1 SQL Server

The following versions of SQL server are supported:

- Microsoft SQL Server 2016
- Microsoft SQL Server 2014
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008(R2)*

* Not supported for BarnOwl Data Warehouse. Support for SQL Server 2008 (R2) will shortly be discontinued by Microsoft and BarnOwl.



Collation sequence must be SQL_Latin1_General_CP1_CI_AS

3.2 Available Hard disk Space

- 40GB available free hard drive space (after operating system and SQL Server installation)
- [Optional] For BarnOwl Data Warehouse - 60GB with growth of +- 30GB p/a
- [Optional] 200GB for Snapshot database

3.3 Minimum Available RAM

- 8GB RAM (800MHz or above)

3.4 Network Card

- 1Gb Ethernet Network Interface Card

3.5 Processor

- 1 dual-core processor 2.6 GHz or higher

4. Application Server

This section covers the requirements for the Application server where the BarnOwl Web Services, Sync Services, Windows Services, Deployer Services and BarnOwl Web Interface are installed.

4.1 Operating System

The following operating systems are supported for 32 bit and 64 bit:

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2

4.2 Processor

- 1 dual-core processor 2.6 GHz or higher

4.3 Available Hard Disk Space

- 40 GB available free hard drive space (after operating system installation)

4.4 Minimum Available RAM

- 8 GB RAM (800MHz or above)

4.5 Network Card

- 1 GB Ethernet Network Interface card

4.6 Additional Requirements

- If you are using Automatic LDAP integration, a domain service account is required with sufficient permissions to retrieve all domain users.

5. Terminal / Remote Desktop Server

This section contains the system requirements for a Terminal (Remote Desktop) server.

5.1 Operating System

The following operating systems are supported for the Terminal / Remote Desktop Services for 32 bit and 64 bit

- Microsoft Windows Server2016
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2
- Citrix

5.2 Processor

- 1 x quad-core processor 2.8 GHz or higher

5.3 Available Hard Disk Space

- 2 GB per user profile

5.4 Minimum Available RAM

- 256 Mb per concurrent user

5.5 Network Card

- 1 GB Ethernet

5.6 Microsoft Office

BarnOwl supports the following versions of Microsoft Office for 32 bit and 64 bit:

- Office 2016 (Microsoft Word, Microsoft Excel)
- Office 2013 (Microsoft Word, Microsoft Excel)
- Office 2010 (Microsoft Word, Microsoft Excel)
- Office 365 (Microsoft Word, Microsoft Excel)