

1 System requirements and compatibility

1.1 baramundi Management Server and baramundi PXE Relay

- Supported platforms: see 1.17 (bMS column)
- Microsoft ASP.NET Core 8.0 Shared Framework and Microsoft Windows Desktop Runtime 8.0.8 (x64) in the same versions are required. The setup installs these requirements automatically if an internet connection is possible. They are also available in MSW as Microsoft Asp.Net Core Framework 8.x-x64 and Microsoft .Net Core Desktop 8.x.x64.
- Supported languages: German and English
- It is recommended to use a dedicated server for operating the baramundi Management Server.
- Certain ports must be available for the baramundi Management Server. See baramundi online help <https://docs.baramundi.com>.
- Integration into a Windows domain - Windows Active Directory - is recommended.
- Hardware requirements server/network:
 - Available RAM: at least 8 GB; 16 GB recommended
 - Processor: at least 4 cores
 - Storage space for installing the bMS: at least 5 GB
 - Network: At least 1 Gigabit

1.2 Database connection

- Supported platforms:
 - SQL Server 2022
 - SQL Server 2019
 - SQL Server 2017
 - SQL Server 2016 SP3 (deprecated)
 - Oracle 19c (deprecated)

Note: bMS versions from 2025 R2 are no longer compatible with Oracle databases. Switching to MS SQL or our cloud solution (bMSaaS) is recommended.

- At least compatibility level 130 (SQL Server 2016) is required.
- at least 10 GB hard disk space for the baramundi database
- The baramundi Management Server is a database-oriented system. Sufficient database performance and a high-performance connection must therefore be ensured.
- The SQL Express Edition can be used for environments with up to 250 clients.
- Operation of the database server and the baramundi Management Server on one system is permitted. For higher requirements and larger environments, an independent database server is recommended.

1.3 baramundi Management Center

- Supported platforms for the baramundi Management Center, as well as the Automation Studio, License Management, Remote Control and ImageMount add-ons: see 1.17 (bMC column)
- Microsoft Edge WebView2 Runtime is required.
- Screen resolution:
 - Minimum screen resolution 1024 x 768 pixels
 - A resolution of 1280 x 800 pixels or higher is recommended.
 - All resolutions refer to a font size display of 100%.

1.4 baramundi OS Customization Tool

- This baramundi Management Center add-on for customizing Windows 10 or Windows 11 images, which is provided via managed software, is supported on the platforms shown in MSW.
- The Microsoft ADK for Windows 11 is required to customize the Windows images.

1.5 baramundi DIP

- Supported platforms: see 1.17 (bDIP column)
- Microsoft ASP.NET Core 8.0 Shared Framework and Microsoft Windows Desktop Runtime 8.0.8 (x64) in the same versions are required. The setup installs these requirements automatically if an Internet connection is possible. They are also available in MSW as Microsoft Asp.Net Core Framework 8.x-x64 and Microsoft .Net Core Desktop 8.x.x64.
- Additional hard disk space is recommended:
 - 10 GB for applications
 - 90 GB for Managed Software (MSW)
 - 6 GB for each operating system that is to be distributed with the baramundi OS Install module.

1.6 baramundi Gateway

- Supported platforms: see 1.17 (column bGW)
- It is recommended not to operate the baramundi Gateway together with other services on the same system.
- Integration into an Active Directory is not necessary.
- The baramundi Gateway should be operated in a DMZ environment to ensure strict separation from the bMS server. Operation of baramundi Gateway and bMS on one system is not supported.
- Hardware requirements server/network:
 - Available RAM: at least 4 GB; 8 GB recommended
 - Storage space for installing the baramundi Gateway: at least 1 GB
 - Network: at least 1 Gigabit

1.7 baramundi OS Install

- The Microsoft ADK for Windows 11 is required to customize the Windows images.
- The ADK is available in Managed Software as ADK10, version 2209.

1.8 baramundi License Management

- Storing license documents in the database can cause large memory requirements on the database server.
- The MS-SQL Express database server is limited by Microsoft to a database size of 10 GB. It is therefore not recommended for use with baramundi License Management.
- baramundi License Management supports the following browsers, each in the current version:
 - Microsoft Edge
 - Google Chrome
 - Mozilla Firefox

1.9 baramundi interfaces

- bConnect is available in versions 1.1 and 2.0.
- **Deprecated** - The bMOL (baramundi Management Object Language) interface is no longer being developed. We recommend switching to and using our bConnect interface.
Note: The bMOL interface will no longer be available from bMS version 2025 R1.
- **Deprecated** - The httpMOC interface is no longer being developed. We recommend switching to and using our bConnect interface.
Note: The httpMOC interface will no longer be available from bMS version 2025 R1.
- **Deprecated** - Direct access to the database (SQL/Oracle) is not supported. We recommend switching to and using our bConnect interface.
Note: The DB documentation is no longer supplied since 2023 R2.

*) **Deprecated:** Feature updates and bug fixes are no longer provided. Critical security updates are made available for the current version.

1.10 baramundi Network Devices

- Networkscanner (bMA Add-On)
 - Supported platforms: see 1.17 (column bND)
 - The Network Scanner is an add-on to Windows bMA. It is available to all customers via Managed Software.
 - .NET 4.7.2 is required.
- Network Discovery Scanner (New scanner since 24R2)
 - Supported platforms: see 1.17 (bND column)
 - Limited support: All platforms that support the Docker format.
 - Microsoft ASP.NET Core 8.0 Shared Framework and Microsoft .NET Core Runtime 8.0.8 (x64) in the same versions are required.

1.11 baramundi OT Devices

- Data acquisition via SNMP Version1, Version2c, Version3
- Supported platforms: Siemens SIMATIC S7 1200 and 1500
- S7comm protocol: for Siemens Simatic S7 300 & S7 400
- OPC UA protocol: for manufacturer-independent detection of PLCs with an active OPC UA server (with anonymous authentication)

1.12 baramundi Kiosk

- Supported platforms: see 1.17 (column bMA)
- A Windows Active Directory including a configured baramundi AD-Sync is required for user login and job assignment on a user basis.
- baramundi Kiosk supports the following browsers, each in the current version:
 - Microsoft Edge
 - Google Chrome
 - Mozilla Firefox

1.13 Support for Android

- Supported versions:
 - Android Enterprise 15
 - Android Enterprise 14
 - Android Enterprise 13
 - Android Enterprise 12
 - Android Enterprise 11
 - Android Enterprise 10
 - Android Enterprise 9
 - Android Enterprise 8 *)
 - Android Enterprise 7 *)

*) This operating system is only supported to a limited extent. This may mean that new functions cannot be used on this operating system or that functions can no longer be used as before. No support for zero-touch.

1.14 Support for iOS

- Supported versions:
 - iOS version 18
 - iOS version 17
 - iOS version 16
 - iOS version 15
 - iOS version 14
 - iOS version 13
 - iOS version 12

1.15 Linux support

- SSH inventory on Linux devices
 - was tested on the following operating systems with the default template:
 - Debian: Version 11 and 12
 - OpenSuse: from version 15
 - Ubuntu LTS 22.04*, LTS 24.04*
 - By customizing templates, the commands can be adapted accordingly by the user to achieve individual compatibility with other operating systems.
- Enrollment
 - The prerequisite is an SSH-enabled user with home directory and the existence of the sudo command and thus the use of the sudoers file.
- Software package management
 - supports the package managers
 - APT
 - Snap
 - Flatpak
 - and has been tested on these operating systems:
 - Debian: Version 11 and 12
 - Ubuntu LTS 22.04*, LTS 24.04*

1.16 Support for macOS

- Supported versions:
 - macOS 15.x (Sequoia)
 - macOS 14.x (Sonoma)
 - macOS 13.x (Ventura)
 - macOS 12.x (Monterey)
 - macOS 11.x (Big Sur)
 - macOS 10.15 (Catalina)

1.17 Windows support

- bMS/R: baramundi Management Server, baramundi PXE Relay
- bMC: baramundi Management Console, including bRemote, ImageMount and License Management AddOn
- bAS baramundi Automation Studio
- bGW: baramundi Gateway
- bDIP: baramundi DIP, bBT and DipSync service
- bMA: baramundi Agent for Windows
- bND: baramundi Networkscanner and Network Discovery Scanner
- X: Fully supported.

Platform	bMS/R	bMC	bAS	bGW	bDIP	bMA	bND
Windows Server 2022 Standard/Datacenter (desktop view)	X	X	X	X	X	X	X
Windows Server 2022 Standard/Datacenter (Core)						X	
Windows Server 2019 Standard/Datacenter (desktop view)	X	X	X	X	X	X	X
Windows Server 2019 Standard/Datacenter (Core)						X	
Windows Server 2016 Standard/Datacenter (desktop view)	X	X	X	X	X	X	X
Windows 10 Pro / Enterprise 22H2 (N) (32 bit and 64 bit)		X	X		x64	X	X
Windows 10 Pro / Enterprise 21H2 (N) (32 bit and 64 bit)		X	X		x64	X	X
Windows 10 Enterprise 2021 LTSC (32 bit and 64 bit)		X	X		x64	X	X
Windows 10 Enterprise 2019 LTSC (32 bit and 64 bit)		X	X		x64	X	X
Windows 10 Enterprise 2016 LTSB (32 bit and 64 bit)		X	X		x64	X	X
Windows 10 Enterprise 2015 LTSB (32 bit and 64 bit)		X	X		x64	X	X

1.18 Support for Windows 11 , Server 2025

- bMS/R: baramundi Management Server, baramundi PXE Relay
- bMC: baramundi Management Console, including bRemote, ImageMount and License Management AddOn
- bAS baramundi Automation Studio
- bGW: baramundi Gateway
- bDIP: baramundi DIP, bBT and DipSync service
- bMA: baramundi Agent for Windows
- bND: baramundi Networkscanner and Network Discovery Scanner
- X: Fully supported.
- E: supported with restrictions

Platform identifier	bMS/R	bMC	bAS	bGW	bDIP	bMA	bND
Windows 11 smaller 24 H2 Pro / Enterprise (N)		X	X		X	X	X
Windows 11 24 H2 Pro / Enterprise (N) (See note 1)		X	X		X	X	X
Windows 11 24 H2 for ARM CPU Pro / Enterprise (N) (see note 1 and 2)		X	X			E	
Windows Server 2025 Standard/Datacenter (desktop display) (see note 3)						E	
Windows Server 2025 Standard/Datacenter (Core) (see note 3)						E	

- Note-1:
The Windows feature "VBSCRIPT" is required. In Windows 11 24H2, Visual Basic Script is a feature that is installed by default. Devices with VBSCRIPT feature not installed are currently not supported.
- Note-2:
Windows 11 24H2 offers very mature support for x86/x64 applications on ARM CPU. Therefore, the baramundi Agent is largely executable on these systems, but not fully compatible and not fully supported.
- Note-3:
Server 2025 is supported to a limited extent.

1.19 Windows support with restrictions

The following operating systems are only supported by the baramundi components to a limited extent. This may mean that new functions cannot be used on this operating system or that functions can no longer be used as before. Due to the complexity and large number of legacy systems, baramundi cannot guarantee functionality on these systems. Due to the restrictions, we recommend the use of more modern operating systems. We can no longer provide support for baramundi server components (bMS/R, bMC, bAS, bGW, bDIP) on operating systems that are outside of Microsoft's mainstream support.

- (1): Is only supported to a limited extent, as Microsoft has ended (basic) product support.
- (2): A current bMA cannot be executed on Windows XP.
- (3) No support from bMS 2024 R2.

	bMS/R	bMC	bAS	bGW	bDIP	bMA	bND
Windows Server 2012 R2 Standard/Datacenter (Server with graphical user interface)						1	1
Windows Server 2012 Standard/Datacenter (Server with graphical user interface)						1	1
Windows Server 2008 R2 SP1 Standard /Enterprise / Datacenter						No (3)	No (3)
Windows 10 Pro / Enterprise 1703 to 21H1 (N) (32 bit and 64 bit)						1	1
Windows 8.1 Pro / Enterprise (32 bit / 64 bit)						1	1
Windows 7 SP1 Professional/Enterprise/Ultimate (N) (32 bit and 64 bit)						1	1
Windows XP SP3 (32 bit)						2	

1.20 Languages

The baramundi Management Center, baramundi License Management and the Automation Studio are available in the following languages:

German, English

The bMA for Windows clients supports user messages in the following languages:

German, English, Bulgarian, Chinese, Danish, Finnish, French, Greek, Italian, Dutch, Norwegian, Polish, Portuguese, Romanian, Russian, Swedish, Slovakian, Spanish, Turkish, Czech, Hungarian

The baramundi Kiosk supports the following languages:

German, English, Polish

Further languages can be added by the administration.

The following languages are supported for all server-side services (i.e. baramundi Management Server, baramundi Gateway, DIP):

German, English