1   System Requirements and Compatibility

1.1   baramundi Management Server and baramundi PXE Relay

- Supported platforms: see 1.17 (bMS column).

- .NET 4.7.2 as well as .NET 6 is required.

- German and English are supported languages.

- We recommend using a dedicated server to operate the baramundi Management Server.

- Certain ports[1] must be available for the baramundi Management Server.

- Integration into a Windows domain - Windows Active Directory is recommended.

- Hardware requirements server/network:

  - Available RAM: at least 8 GB; recommended 16 GB
  - Processor: at least 4 cores
  - Disk space for installing the bMS: at least 5 GB
  - Network card: at least 1 GB

1.2   Database connection

- Supported platforms:

  - SQL Server 2022
  - SQL Server 2019
  - SQL Server 2017
  - SQL Server 2016 SP3 (Deprecated)
  - SQL Server 2014 SP3 (Deprecated)
  - Oracle 19c

- At least 10 GB hard drive space for the baramundi database.

- The baramundi Management Server is a database-oriented system, so ensure sufficient database performance and a high-performance connection.

- For environments with up to 250 clients, SQL Express Edition can be used.

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[1] A list of ports used is available in our online help https://docs.baramundi.com.

- Operation of the database server and the baramundi Management Server on one system is permissible. For greater requirements and larger environments, a dedicated database server is recommended.

1.3   baramundi Management Center

- Supported platforms for the baramundi Management Center, as well as Automation Studio, License Management, Remote Control and ImageMount: see 1.17 (Column bMC).

- .NET 4.7.2 is required.

- Screen resolution:

    o   Minimum screen resolution 1024 x 768 pixels.
    o   Recommended resolution is 1280 x 800 pixels or higher.
    o   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 images, provided via managed software, is supported on the platforms visible in MSW.

- .NET 4.7.2 is required.

- The Microsoft ADK for Windows 11 is required to customize the Windows images.

1.5   baramundi DIP

- Supported platforms: see 1.17 (Column bDIP).

- .NET 4.7.2 is required.

- Visual C++ Redistributable for Visual Studio 2015-2022 for 64-bit systems is required.

- A 64-bit system is required for the baraDIP installation.

- Additional hard disk space is recommended:

    o   10 GB for applications
    o   90 GB for managed software (MSW)
    o   6 GB for each operating system to be distributed with the baramundi OS Install module
    o   400 GB for patch data if offline patch management is to be used.

1.6 **baramundi Gateway**

- Supported platforms: see 1.17 (Column bGW)

- .NET 4.7.2 is required.

- We recommend not operating other services on the same system as the baramundi Gateway.

- Integration in an Active Directory is not necessary.

Hardware requirements server/network:

- Available memory: at least 4 GB; recommended 8 GB
- Disk space for installing the bMS: at least 1 GB
- Network card: at least 1 GB

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 increase memory requirements on the database server.

- The MS-SQL Express database server is limited by Microsoft to 10 GB database size, therefore its use for baramundi License Management is not recommended.

- baramundi License Management supports current versions of the following browsers:

  - Microsoft Edge
  - Google Chrome
  - Mozilla Firefox

1.9 **baramundi Virtual**

- Supported platforms:

  - VMware vSphere vCenter 6.0, 6.5
  - VMware vSphere Hypervisor 6.0, 6.5

- Note: bVirtual is not compatible with VMware vSphere v6.5 Update 1 or later.

- The following components are required on the baramundi server:

  - PowerShell in version 4 or 5 or 5.1
  - VMware PowerCLI 6.5 release 1

1.10 baramundi Interfaces

- bConnect version 1.1 and version 2.0 are both available.

- Deprecated - The bMOL (baramundi Management Object Language) interface is no longer being developed. We recommend switching to and using our bConnect interface.

- Deprecated - The httpMOC interface is no longer being developed. We recommend using our interface bConnect.

- Deprecated - Direct access to the database (SQL/Oracle) is not supported. We recommend using our interface bConnect.

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

1.11 baramundi Network Devices

- Supported platforms: see 1.17 (Column bND)

- Network scanner is an add-on to Windows bMA. It is available to all customers via Managed Software.

- .NET 4.7.2 is required.

1.12 baramundi OT Devices

- Data acquisition is done via SNMP version1, version2c, version3.

- Supported platforms: Siemens SIMATIC S7 1200 and 1500

1.13 baramundi Kiosk

- Supported platforms: see 1.17 (Column bND)

- For user logon and job assignment on a per-user basis, a Windows Active Directory including configured baramundi AD-Sync is required.

- baramundi Kiosk supports the following browsers, each in the current version:
    - Microsoft Edge
    - Google Chrome
    - Mozilla Firefox

1.14 Support for Android

- Supported Versions:

    - Android Enterprise 13
    - Android Enterprise 12
    - Android Enterprise 11
    - Android Enterprise 10
    - Android Enterprise 9
    - Android Enterprise 8
    - Android Enterprise 7
    - Android Version 4.0.4. until Version 9 with Legacy Agent
    - Samsung KNOX on Android Version 4.0.4 to Version 9 with Legacy Agent

1.15 Support for iOS

- Supported Versions:

    - iOS Version 16
    - iOS Version 15
    - iOS Version 14
    - iOS Version 13
    - iOS Version 12
    - iOS Version 11
    - iOS Version 10
    - iOS Version 9

1.16 Support for macOS

- Supported Versions:

    - macOS 13.x (Ventura)
    - macOS 12.x (Monterey)
    - macOS 11.x (Big Sur)
    - macOS 10.15 (Catalina)
    - macOS 10.14 (Mojave)
    - macOS 10.13 (High Sierra)
    - macOS 10.12 (Sierra)
    - Mac OS X 10.11 (El Capitan)
    - Mac OS X 10.10 (Yosemite)
    - Mac OS X 10.9 (Mavericks) (64 Bit)
    - Mac OS X 10.8 (Mountain Lion) (64 Bit)
    - Mac OS X 10.7 (Lion) (64 Bit)

1.17 Support for Windows

- bMS/R: baramundi Management Server, baramundi PXE Relay
- bMC: baramundi Management Console,
  including bRemote, ImageMount and License Management Add-on
- bAS baramundi Automation Studio
- bGW: baramundi Gateway
- bDIP: baramundi DIP, bBT und DipSync Service
- bMA: baramundi Agent for Windows
- bND: baramundi Network scanner as add-on to Windows bMA

- X: Completely supported.

Platform	bMS/R	bMC	bAS	bGW	bDIP	bMA	bND
Windows Server 2022 Standard/Datacenter (Desktop display)	X	X	X	X	X	X	X
Windows Server 2022 Standard/Datacenter (Core)						X	
Windows Server 2019 Standard/Datacenter (Desktop display)	X	X	X	X	X	X	X
Windows Server 2019 Standard/Datacenter (Core)						X	
Windows Server 2016 Standard/Datacenter (Desktop display)	X	X	X	X	X	X	X
Windows 11 Pro / Enterprise (N)		X	X		X	X	X
Windows 10 Pro / Enterprise 21H2 (N) (32 Bit and 64 Bit)		X	X		x64	X	X
Windows 10 Pro / Enterprise 21H1 (N) (32 Bit and 64 Bit)		X	X		x64	X	X
Windows 10 Pro / Enterprise 20H2 (N) (32 Bit and 64 Bit)		X	X		x64	X	X
Windows 10 Pro / Enterprise 2004 (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 Windows support with limitations

These operating systems are supported by baramundi components only to a limited extent. This may mean that new functions are not usable or that other functions can no longer be used. Due to the complexity and large number of legacy systems, baramundi cannot guarantee functionality on these systems. Due to the limitations, we recommend the use of newer and current operating systems. We cannot provide support for the baramundi server components on operating systems that are out of Microsoft mainstream support.

baramundi server components (bMS/R, bMC, bAS, bGW, bDIP)

- (1): Is only supported to a limited extent now that Microsoft has ended (basic) product support.
- (2): Version 2021 R2 of the bMA must be used for this operating system. A more recent bMA cannot be run on this operating system. There will be no more security improvements for the bMA 2021 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						1	1
Windows Server 2008 SP2 Standard/Enterprise/Datacenter (32 Bit / 64 Bit)						1	1
Windows 10 Pro / Enterprise 1909 (N) (32 Bit and 64 Bit)		1	1		1	1	1
Windows 10 Pro / Enterprise 1903 (N) (32 Bit and 64 Bit)		1	1		1	1	1
Windows 10 Pro / Enterprise 1809 (N) (32 Bit and 64 Bit)		1	1		1	1	1
Windows 10 Pro / Enterprise 1803 (N) (32 Bit and 64 Bit)		1	1		1	1	1
Windows 10 Pro / Enterprise 1709 (N) (32 Bit and 64 Bit)		1	1		1	1	1
Windows 10 Pro / Enterprise 1703 and older (N) (32 Bit and 64 Bit)			1			1	1
Windows 8.1 Pro / Enterprise (32 Bit / 64 Bit)			1			1	1
Windows 7 SP1 Professional/Enterprise/Ultimate (N) (32 Bit and 64 Bit)			1			1	1
Windows Vista SP2 (32 Bit / 64 Bit)			1			1	1
Windows XP SP3 (32 Bit)						2	

1.19 Languages

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

German, English

The bMA for Windows clients supports user messages in:

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

The baramundi Kiosk supports:

German, English, Polish

More languages can be added by administrators.

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

German, English