The system requirements for the DSM infrastructure components include the operating system, the hardware, software, network and the configuration. The following table contains the operating systems supported by the main DSM components:

- Central Depot (file server)
- Business Logic Server (BLS) with Central Management Point
- Database server
- Administrator workstation
- Managed Computer

**Central Depot file server**

DSM modules require a shared directory on the file server. The regular user needs read access to this shared directory, and the administrator needs read and write access. Both the DSM binaries and the DSM packages are placed on this depot. The first depot of a DSM environment is the central depot, where the DSM binaries are installed and updated. Other depots are considered regional depots, site depots or local depots.

**Supported OSs:**

- Windows Server 2012 Standard, Datacenter
- Windows Server 2008 R2 Standard, Enterprise, Datacenter, Core* (all SP)
- Windows Server 2008 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 Standard, Enterprise, Datacenter (SP1 or higher)

Core* is only supported experimentally. Please contact FrontRange Support for more information!

- Windows 7 Professional, Enterprise, Ultimate (all SP)
- Windows Vista Ultimate, Enterprise, Business (all SP)
- Windows XP Professional SP3 (x86)
- Windows XP Professional SP2 (x64)

Current service packs are recommended.

⚠️ MS Client operating systems only support 10 parallel inbound connections.

⚠️ You can also use Network Attached Storages (NAS) shares for such depots.

**Please also install:**

⚠️ If http/s depots are used: IIS 6.0 (or higher), activate WebDAV. If the share is located on a NAS file server, please contact the FrontRange Support for details.
Management Point with Business Logic Server (BLS)

For Point Management applications with Business Logic components a server operating system is absolutely required. This applies to Business Logic Server (BLS), Business Logic Proxy (BLP).

Supported OS:
- Windows Server 2008 R2 Standard, Enterprise, Datacenter, Core* (all SP)
- Windows Server 2008 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 Standard, Enterprise, Datacenter (SP1 or higher)
- Windows Server 2012 Standard, Datacenter

Core* is only supported experimentally. Please contact FrontRange Support for more information!

Current service packs are recommended.

Please also install:
- IIS 6.0 (or higher)
- .NetFramework 3.5 SP1
- PowerShell 2.0 (only when using virtualization feature)
- suitable database system (only when using BLS as database server)

In principle, it is possible to install the database system for the DSM Management Database (DSMDB) and the other components of the Management Point all on the same server. However, on larger networks we recommend using a second server for the database.

Database Server

Supported OSs:
- Windows Server 2008 R2 Standard, Enterprise, Datacenter (all SP0)
- Windows Server 2008 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 Standard, Enterprise, Datacenter (SP1 or higher)
- Windows Server 2012 Standard, Datacenter

Supported database systems:
- SQL2012 Express (all SP)
- SQL2012 Server (all SP)
- SQL2008 R2 Express (all SP)
- SQL2008 R2 Server (all SP)
- SQL2008 Express (all SP)
- SQL2008 Server (Enterprise Ed.) (all SP)
• SQL2005 Express (SP1 or higher)
• SQL2005 Server (SP1 or higher)

Current service packs are recommended

**Microsoft SQL Express**
If you are working in a small environment or if you are only testing, you can install the database system SQ2008 R2 Express (32 bit). You can use the database system in test environments or smaller environments up to 2000 clients. If you have activated Extended Reporting and DSM Inventory, the number of the managed clients is reduced by about a third. In productive environments or if you are using Business Logic Proxies (BLPs), we recommend applying database systems with full functionality.

SQ2008 R2 Express is provided on the DSM 7 Suite CD

**Network**
Management Point servers and database server for a single Management Point must be installed on the same LAN.

**Configuration**
For the configuration of the database systems, the manufacturer’s requirements apply. In addition, the following requirements must also be satisfied for use together with the Management Point:

When using MS SQL Server as a database system, it is absolutely essential that Windows and SQL authentication is enabled in your database server’s security settings. To do this on the SQL Server, select the option SQL-Server and Windows in the Enterprise Manager (Security tab in the server’s properties dialog box). This setting is the SQL Server default setting.

Please use the following settings when using SQL or SQL Express:

• For the client “Named Pipes” and “TCP/IP” protocol should be enabled
• The service SQL Server Browser must be started
• The setting Allow Remote Connection in the server’s security settings has to be active.
• SQL Server should not be used with the Case-sensitive option. Otherwise problems may occur when importing data or searching for data in the DSMC.

**User Accounts**
When creating the Management Point, a database user is required that will be assigned read and write permissions for the database. This database user must already exist before the Management Point is created. The Management Point stores this user and uses it for all database accesses.

By default the build in sa account is suggested to be used for this procedure.
If the database is to be created automatically when the Management Point is being created, the Management Point Wizard also needs a database user who has permission to create a database. This user is used only once and is not stored.

**Managed Computers**

Computers which are managed by DSM and have the DSM Client installed.

**Supported Microsoft OSs:**

- Windows XP Professional SP3 (x86)
- Windows XP Professional SP2 (x64)
- Windows Vista Ultimate, Enterprise, Business (all SP)
- Windows 7 Professional, Enterprise, Ultimate (all SP)
- Windows Embedded Standard 7 SP1 (x86 und x64)
- Windows Thin PC
- Windows 8 Professional, Enterprise
- Windows Server 2003 Standard (SP1 or higher), Enterprise, Datacenter (all SP)
- Windows Server 2003 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2008 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2008 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2012 Standard, Datacenter

**Supported Linux/OS X Platforms**

- CentOS (Version 5 and up)
- Fedora (Version 9 and up)
- OpenSUSE (Version 10.3 and up)
- Red Hat Enterprise Linux Server (Version 5 and up)
- Red Hat Enterprise Linux Client (Version 5 and up)
- SUSE Linux Enterprise Server (Version 10 and up)
- SUSE Linux Enterprise Desktop (Version 10 and up)
- Apple Mac OS X

Current service packs are recommended.

⚠️ For Mac OS and Linux support please also refer to the detailed instructions in the provided Booklets in the subfolder Docs on your DSM share.

**Administration Console (DSMC)**

The administration of your DSM environment is done via the DSM Management Console (DSMC).
You can operate the DSMC directly on the Management Point server or from any workstations that fulfill the requirements below.

To run the DSMC Internet Explorer Version 7.0 (and higher) must be installed, current Service Packs are recommended.

**Access to Management Point Websites:**
Management Point websites directly accessed by the Internet Explorer or within the DSMC need to be registered as the Local Intranet Zone in the Internet Explorer configuration to prevent additional login authentication.

DSM modules automatically add the Management Point websites to the “Local Intranet” zone.

If neither DSMC nor an Installer had been started before accessing the websites, this configuration can also be done manually; otherwise an additional log on dialog will appear when the management website is accessed.

**Other distributed Management Point**
Management points that do not contain Business Logic Server components have reduced system prerequisites. These management points can host one or all of the following management point applications.

- OSD Proxy
- Client Proxy
- Service Installation Service (SIS)
- Distribution Service
- Event Receiver

**Supported OSs:**
- Windows 8 Professional, Enterprise
- Windows 7 Professional, Enterprise, Ultimate (all SP)
- Windows Vista Ultimate, Enterprise, Business (all SP)
- Windows XP Professional SP3 (x86)
- Windows XP Professional SP2 (x64)
- Windows Server 2012 Standard, Datacenter
- Windows Server 2008 R2 Standard, Enterprise, Datacenter, Core* (all SP)
- Windows Server 2008 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 R2 Standard, Enterprise, Datacenter (all SP)
- Windows Server 2003 Standard, Enterprise, Datacenter (SP1 or higher)
- Windows Server 2012 Standard, Datacenter

Core* is only supported experimentally. Please contact FrontRange Support for more information!
Please also install:

⚠️ This does not apply to the installation of the Distribution Service and Service Installation Service (SIS)

- IIS 6.0 (or higher)
- .NetFramework 3.5 SP1
- Power Shell 2.0 (only when using virtualization feature)

Notes on AD Integration

Authentication on the IIS
In order to perform the required authentication with AD, the Management Point (MP) needs to query the domain controller (DC) to check a user’s AD permissions. For this task, the MP needs a user account with sufficient network permissions (READ access to the Global Catalog per "GetRootDSE" as a minimum). The MP will utilize known/configured user accounts in the following order:

- SIS account of the site that the Management Point is associated with
- DSM Distribution Service account of the site that the Management Point is associated with
- DSM Runtime Service account of the site that the Management Point is associated with
- IIS account

Notes on DSM Web / Silverlight

DSM Web
The DSM Web is a DSM 7 Management Point application which can be installed on the Primary BLS.

⚠️ Please note that you can install DSM Web only once in a DSM environment. The application has to be installed on the Primary Business Logic Server.

A license key is not required. However, a user needs the permission to utilize it. Assign the required permissions on ORG level with the Manage Permissions task.

In order to use the Web Console on the computer from which you will start DSM Web, you need the following application:

- Silverlight (version 4.0 and higher)

Please enter the following link in your browser to get the required plugin:

http://go.microsoft.com/fwlink/?LinkId=149156&amp;v=3.0.40624.0

Independent of the operating system and the installed Silverlight version, you can use the following browsers:

DSM Web does not work on Windows Server 2003 due to this requirement (IA-64)