

# DME System Requirements

To run the DME server, consult the following guide to verify that your system complies with the DME system requirements. The guide applies to the latest version of DME: *DME Server 3.5*.

DME recommends the following minimum specifications for a system with 100 users.

For information about clustering or virtualization, please request separate documentation.



## Server hardware requirements

A 32 or 64 bit Intel or AMD based server equipped with at least:

- 3.0 GHz processor
- 4 GB RAM
- 75 GB hard drive
- 100/1000 Mbit network interface card
- 1 available USB or RS232 communication port (*USB only supported on Windows*)
- Siemens MC35i modem or SMS Center account

For larger systems, add more memory and hard drive space.

For small to medium installations, the DME connector can be installed on the DME server machine. In this case, add 2 GB RAM to the server.

Furthermore, a fast Internet connection is required, where the capacity is based on how many clients need to be concurrently connected. You can calculate this according to the following formula:

*Internet bandwidth* (in Kbit) divided by a *typical GPRS speed* of 42 Kbit = *maximum number of concurrent users*.

For example, a 2 Mbit connection will support  $(2048/42) = 48$  concurrent client connections.

To access the DME Web Administration Interface, at least Firefox 2.0 or Microsoft Internet Explorer 7 is required. Internet Explorer 6 and 8 also work, but do not show all design elements correctly.

## Connector hardware requirements

When installing the connector on a separate server, use a 32 or 64 bit Intel or AMD based server equipped with at least:

- 3.0 GHz processor
- 4 GB RAM
- 40 GB hard drive
- 100/1000 Mbit network interface card

The operating system requirements for connectors correspond to the server requirements below.

## 32 or 64 bit operating system requirements



Red Hat Enterprise Linux 5 (without virtualization support).  
SuSE Linux 11 (without virtualization support).

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Microsoft Windows 2003 Server with all patches applied.  
Microsoft Windows 2008 Server with all patches applied.

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Java 6.x.

## SSL certificate requirements

For SSL communication between the server and the clients, an SSL certificate from a trusted Certificate Authority (CA) such as VeriSign, Thawte, and similar is *recommended*. For the Android and Java client platforms, and when using OMA DM features, using an SSL certificate from a trusted CA is *required*. Using a self-signed SSL certificate only works well in all-Symbian installations that are not using OMA DM.

## Collaboration system requirements



32 bit Lotus Domino 7.0 or later.

32/64 bit Lotus Domino 8.5 or later.

Restrictions apply when using Domino on the IBM iSeries, pSeries, and zSeries platforms. Please contact your DME Partner for further information.

Domino LDAP.

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Microsoft Exchange 2003 SP 2.

Microsoft Exchange 2007 SP 1.

Microsoft Exchange 2010.

Microsoft Active Directory.

Note also that it is possible to authenticate users against a generic LDAP, such as Open LDAP or Novell eDirectory. If you use anonymous Basic MDM clients only, you can disregard these requirements.

## Database system requirements



Microsoft SQL Server 2005/2008 on a separate server.  
MySQL 5.0 on a separate server.  
MySQL 5.0 on the DME server (installed by DME).

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Microsoft SQL Server 2005/2008 on a separate server.

- The connection between the database server and DME must run over a 1 Gbit line or faster.
- The server should be a dedicated database server only servicing DME.

The following requirements apply to *MS SQL Server databases*:

- **Disks:**
  - There should be at least 3 high performance SAS/SATA/SCSI disk spindles (or similar on a high-performance SAN):
    - One spindle for the Windows OS
    - One spindle of at least 70 GB for the database file(s)
    - One spindle of at least 70 GB for the transaction log file(s)
  - On installations with less than 500 users, the Windows OS and the database files can reside on the same spindle.
  - If using a SAN, DME requires dedicated controllers.
- **Memory:**
  - Windows 2003 Std. Ed.: At least 4GB memory.
  - Windows 2003 Enterprise Ed.: At least 4GB memory (8GB recommended).
  - Windows 2003 64 bit edition requires 8GB.
- **CPU:**
  - On installations with less than 500 users, a total of 2 cores is required (2x1 core or 1x2 cores) at 2 GHz minimum.
  - On installations with more than 500 users, a total of 4 cores is required (2x2 cores or 1x4 cores) at 2 GHz minimum.

## SMS gateway software requirements

Apart from an SMS modem or an SMS center account, you need the following software:



Kannel, latest version. Open source from [www.kannel.org](http://www.kannel.org)

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Now SMS/MMS Gateway from <http://www.nowsms.com/>

Now SMS/MMS Lite

Kannel for Windows has a number of limitations, and is not supported.

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To find out more about the devices supported by DME, go to [www.excitor.com/supporteddevices](http://www.excitor.com/supporteddevices).

Excitor – the company behind DME

DME is developed by Excitor A/S as a comprehensive mobile device management system that incorporates mobile access to corporate e-mail and PIM, with built-in security and administrative tools. Visit our website [www.excitor.com](http://www.excitor.com) or contact Excitor: [info@excitor.com](mailto:info@excitor.com).