

ROAM[®] Server Requirements

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ROAMView™ [1-2000 Devices]

The ROAMview system comes with a computer, keyboard and mouse. However, if a customer chooses not to use the provided ROAMview server, they can replace it with their own dedicated server that meets these requirements:

Operating system	Windows 7, 64-bit
CPU	Dual-Core i3, 3.0+ GHz
RAM	4Gb
Hard Drive Space	250 GB
Database	SQL Server Express is included with the system or will be installed on the customer's server if they choose not to purchase the ROAMview server with their system.

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ROAM Enterprise™ [1-1000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites, Entry point and Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 2: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU
RAM	4 GB OK, 8 GB Recommended
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 250 GB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition

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ROAM Enterprise [1001-5000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites, Entry point and Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	250 GB

Dedicated Server 2: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU, 2.5 GHZ+
RAM	4 GB OK, 8 GB Recommended
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 250 GB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition

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ROAM Enterprise [5001-15000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU, 2.5 GHZ+
RAM	4 GB
Hard Drive Space (in addition to OS)	50 GB

Dedicated Server 2: Entry point and Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 3: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 500 GB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition

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ROAM Enterprise [15001-25000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU, 2.5 GHZ+
RAM	4 GB
Hard Drive Space (in addition to OS)	50 GB

Dedicated Server 2: Entry point and Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 3: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	2 Quad-core CPUs, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 500 GB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition

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ROAM Enterprise [25001-50000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU, 2.5 GHZ+
RAM	4 GB
Hard Drive Space (in addition to OS)	50 GB

Dedicated Server 2: Entry point and Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 3: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	2 Quad-core CPUs, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 1 TB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition (*)

(*) = The customer may choose to upgrade to the SQL Server Enterprise edition based on the total size of their deployment, the frequency that data will be reported and the length of time they will to keep data on the system. As the historical data gets larger, the database will become slower trying to retrieve the data. The Enterprise edition of the server will allow the customer to partition the data based on dates and the data retrieval speed will not be affected as much.

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ROAM Enterprise [50001-200000 Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Dedicated Server 1: Websites

Operating system	Windows Server 2008 R2, 64-bit
CPU	Dual-core CPU, 2.5 GHZ+
RAM	4 GB
Hard Drive Space (in addition to OS)	50 GB

Dedicated Server 2: Entry point

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 3: Data services

Operating system	Windows Server 2008 R2, 64-bit
CPU	Quad-core CPU, 2.5 GHZ+
RAM	8 GB
Hard Drive Space (in addition to OS)	150 GB

Dedicated Server 4: Database Server

Operating system	Windows Server 2008 R2, 64-bit
CPU	2 Quad-core CPUs, 2.5 GHZ+
RAM	16 GB
Hard Drive Space (in addition to OS)	Raid Storage for DB that results in 2 TB of actual storage. Fast, Data Quality drives are recommended.
Database	SQL Server 2008 R2 Standard Edition or SQL Server 2012 Standard Edition

(*) = The customer may choose to upgrade to the SQL Server Enterprise edition based on the total size of their deployment, the frequency that data will be reported and the length of time they will to keep data on the system. As the historical data gets larger, the database will become slower trying to retrieve the data. The Enterprise edition of the server will allow the customer to partition the data based on dates and the data retrieval speed will not be affected as much.

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ROAM Enterprise [200000+ Nodes]

The customer is responsible for purchasing the server hardware, Operating System(s) and Database software, including any SQL Server licenses and Windows Server licenses required (see Attachment A for additional details).

Server specifications for systems that will contain more than 200,000 nodes will need to be reviewed individually.

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Attachment A: Microsoft Licensing Requirements

For all ROAM Enterprise applications, the customer is responsible for purchasing SQL Server Standard Core Licenses appropriate for the database requirements outlined in the tables above. The customer must also obtain (or already have in place) Windows Server Client Access Licenses for (i) each individual user directly accessing the ROAM software and (ii) each gateway device purchased as part of the ROAM system. Pricing for these licenses may vary based on existing customer agreements with Microsoft.

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