INSTALLATION

MINIMUM REQUIREMENTS

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Minimum Requirements

Clients

This section details minimum requirements for client workstations that use eclipse.

Workstation (Scan)

- Windows 7 (32/64 bit); Windows Server 2003 (32/64 bit); Windows Server 2008 SP2/R2
    - 64 bit Operating Systems require 64 bit scanner drivers
    - Advanced Capture Features Require Microsoft Silverlight Plugin
- Processor: Dual-Core
- RAM: 4GB
- Resolution: Designed for 1280x1024 or higher; 16bit color

Workstation (No Scanner)

- Windows XP SP3; Windows Vista Business SP2 (32/64 bit); Windows 7 (32/64 bit); Windows 8 (32/64 bit); Windows Server 2008 SP2/R2 (32/64 bit)
- RAM: 1GB
- Resolution: Designed for 1280x1024 or higher; 16bit color

Web Browsers

- Microsoft Internet Explorer 9
- Mozilla Firefox 4
- Google Chrome 12
- Apple Safari 5

Tablets / SmartPhones

- Apple iOS 4
- Google Android 2.1 (Eclair)
- Windows Phone 7

Single Server Implementation

When all components required for eclipse are installed on a single server, this is known as a ***Single Server Implementation***. Below are minimum requirements for a Single Server Implementation

Hardware

- Processor: Intel I3 2.0 GHz Dual-Core or better (Recommended: 2.0 GHz Quad-Core)
- RAM: 4 GB
- Disk space, Installation: 500 MB
- See also Disk Storage

Operating System and Operating System Components

- Microsoft Windows Server 2012 x64
- Microsoft Internet Information Server (IIS) 8

Other Software

- Microsoft SQL Server 2012 Standard Edition x64 (For smaller, less complex environments, Microsoft SQL Server 2012 Express Edition x64 may be used)

Distributed Server Implementation

It some situations, it may be desirable to install different components of eclipse on different servers. For instance, there may be a server present that is dedicated to hosting Microsoft SQL databases and serves no other role. You may wish to add the eclipse database to this server but install the other components, such as IIS, to different server. This is known as a ***distributed server implementation***.

Below are minimum requirements for a distributed server implementation

Application/Web Server

The Application/Web server is the system where the Eclipse application software is installed.

Hardware

- Processor: Intel I3 2.0 GHz Dual-Core or better (Recommended: 2.0 GHz Quad-Core)
- RAM: 4 GB
- Disk space, Installation: 500 MB
- See also Disk Storage

Operating System and Operating System Components

- Microsoft Windows Server 2012 x64
- Microsoft Internet Information Server (IIS) 8

Database Server

The database server is the system that runs the database software.

Hardware

- Processor: Intel I3 2.0 GHz Dual-Core or better (Recommended: 2.0 GHz Quad-Core)
- RAM: 4 GB
- Disk space, Installation: 500 MB

Operating System and Operating System Components

- Microsoft Windows Server 2008 x64 or Microsoft Windows Server 2012 x64

Other Software

- Microsoft SQL Server 2012 Standard Edition x64 (For smaller, less complex environments, Microsoft SQL Server 2012 Express Edition x64 may be used)
- Microsoft Distributed Transaction Coordinator (MSDTC) for SQL Server

For distributed installations of eclipse, MSDTC must be installed and enabled within SQL Server to allow the remote application server to communicate with and commit transactions to the eclipse database.

Storage Server

The Storage server is the file repository for documents and files imported or scanned into the Eclipse software.

Hardware

- Processor: Intel I3 2.0 GHz Dual-Core or better (Recommended: 2.0 GHz Quad-Core)
- RAM: 4 GB
- See also Disk Storage

Operating System and Operating System Components

- Microsoft Windows Server 2008 x64 or Microsoft Windows Server 2012 x64

Disk Storage

Disk space, File Repository: 512 GB (RAID5 with off-site backup strongly recommended. Your needs may vary depending upon volume and retention requirements)

Best Practice: Anticipate double the size of the estimated file storage as your content images will be rendered for best viewing on the web.

Estimating Network Needs

The Formula

To estimate the minimal sustained network speed, use the following formula:

((Average Pagesize (bits) x Number of pages) / 1048576) x 2

Example

Let's assume that you want to upload 50 pages per second to eclipse and the average pagesize is 35Kb.

First, convert the average page size to bits:

Average Pagesize (in bits)

35 kb

x 1024 bytes per kb

x 8bits per byte

= 286720 bits

8 bits = 1 byte

8192 bits = 1024 bytes = 1 KB

8388608 bit = 1048576 bytes = 1024 KB = 1 MB

Now you can use those values (50 pages with average pagesize of 286720 bits) in the formula provided:

((286720 * 50) / 1048576) * 2 = 27.3 Mbps