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## System Requirements for Zimbra Collaboration Suite 4.5

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Zimbra Collaboration Suite system requirements for both the Network Edition and the Open Source Edition.

	<b>Requirements</b>
Servers	<p>Evaluation and Testing</p> <ul style="list-style-type: none"><li>• Intel/AMD 32-bit CPU 1.5 GHz</li><li>• 1 GB RAM</li><li>• 5 GB free disk space for software and logs</li><li>• Additional disk space for mail storage</li></ul> <p>Production environments</p> <ul style="list-style-type: none"><li>• Intel/AMD CPU 32-bit 2.0 GHZ+</li><li>• Minimum - 2 GB RAM Recommend - 4 GB</li><li>• 10 GB free disk space for software and logs (SATA or SCSI for performance, and RAID/Mirroring for redundancy)</li><li>• Additional disk space for mail storage</li></ul> <p>General Requirements</p> <ul style="list-style-type: none"><li>• Firewall Configuration should be set to “No firewall”, and the Security Enhanced Linux (SELinux) should be disabled</li><li>• RAID-5 is not recommended for installations with more than 100 accounts.</li></ul>
Mac Server	<p>Evaluation and Testing</p> <ul style="list-style-type: none"><li>• PPC Mac (G4 or better), Intel Core Solo, or Intel Core Duo*</li><li>• 1 GB RAM</li><li>• 5 GB free disk space for software and logs</li><li>• Additional disk space for mail storage</li></ul>

<p><b>Mac Server</b> (continued)</p>	<p>Production environments</p> <ul style="list-style-type: none"> <li>• PPC Mac (G5 or better), Intel Core Solo, or Intel Core Duo*</li> <li>• Minimum - 2 GB RAM Recommend - 4 GB</li> <li>• 10 GB free disk space for software and logs</li> <li>• Additional disk space for mail storage</li> </ul> <p>*There are known issues using ZCS on Macs with the Intel Core Duo. See the Release Note.</p>
<p>Operating System <b>Network Edition</b></p>	<ul style="list-style-type: none"> <li>• Red Hat® Enterprise Linux®, AS/ES version 4. (32-bit, 64-bit) For clustering, version 4, update 3 is required. The operating system must be configured as described in this guide.</li> <li>• Mac OS® X 10.4.7</li> </ul> <p><b>Note:</b> Max OS X server installs, the following features are not included: attachment indexing/search, view attachments as HTML, clustering.</p> <ul style="list-style-type: none"> <li>• SUSE ES 9 (32-bit) and Open SUSE 10</li> </ul> <p><b>Note:</b> SUSE server installs, the following features are not included: clustering</p> <ul style="list-style-type: none"> <li>• Ubuntu 6.06 (as of 4.5.4)</li> </ul>
<p>Operating System Open Source Edition</p>	<p>In addition to supporting the operating systems listed above for the Network Edition, other OS versions are available for the Open Source Edition. Check the Zimbra Open Source Downloads page on <a href="http://www.zimbra.com">www.zimbra.com</a>.</p>

Other Dependencies	<p>For Red Hat Enterprise, Fedora Core and SuSE operating systems, the server must also have the following installed:</p> <ul style="list-style-type: none"> <li>• <b>NPTL</b>. Native POSIX Thread Library</li> <li>• <b>Sudo</b>. Superuser, required to delegate admins.</li> <li>• <b>libidn</b>. For internationalizing domain names in applications (IDNA)</li> <li>• <b>cURL</b>. A command line tool for transferring files with URL syntax</li> <li>• <b>fetchmail</b>. A remote-mail retrieval and forwarding utility used for on-demand TCIP/IP links.</li> <li>• <b>GMP</b>. GNU Multiple-Precision Library.</li> <li>• <b>compat-libstdc ++-33</b>. Compatibility Standard C++ libraries.  <b>NOTE:</b> The 32-bit version of the compat-libstdc rpm package is required for both 32-bit or 64-bit servers.</li> <li>• For Red Hat Enterprise only: <b>compat-libstdc ++-296</b></li> </ul>
	<p>For Mac servers, Java 1.5 must be installed as the default Java.</p>
Miscellaneous	<ul style="list-style-type: none"> <li>• SSH client software to transfer and install the Zimbra Collaboration Suite software.</li> <li>• Valid DNS configured with an A record and MX record</li> <li>• Servers should be configured to run Network Time Protocol (NTP) on a scheduled basis</li> </ul>
<p>Administrator Computers</p> <p>*These OS configurations have been tested and are known to work. Other configurations may work.</p>	<ul style="list-style-type: none"> <li>• Windows XP with either Internet Explorer 7.0 and 6.0 SP2 or Firefox 1.5.x and 2.0</li> <li>• Macintosh OS X 10.4 with Firefox 1.5 and 2.0</li> </ul>

<p>End User Computers using Zimbra Web Client</p> <p>*These OS configurations have been tested and are known to work. Other configurations may work.</p>	<p>Minimum</p> <ul style="list-style-type: none"> <li>• Intel/AMD/Power PC CPU 750MHz</li> <li>• 256MB RAM</li> </ul> <p>Recommended</p> <ul style="list-style-type: none"> <li>• Intel/AMD/Power PC CPU 1.5GHz</li> <li>• 512MB RAM</li> </ul> <p>Operating system/ browser combinations</p> <ul style="list-style-type: none"> <li>• Windows XP with either Internet Explorer 7 and 6.0 SP 2 or Firefox 1.5.x and 2.0</li> <li>• Fedora Core 4 with Firefox 1.5 and 2.0</li> <li>• Mac OS X 10.4 with Firefox 1.5 and 2.0 or Safari 2.0.4 (Beta)</li> </ul>
<p>End User Computers Using Other Clients</p> <p>*These OS configurations have been tested and are known to work. Other configurations may work.</p>	<p>Minimum</p> <ul style="list-style-type: none"> <li>• Intel/AMD/Power PC CPU 750MHz</li> <li>• 256MB RAM</li> </ul> <p>Recommended</p> <ul style="list-style-type: none"> <li>• Intel/AMD/Power PC CPU 1.5GHz</li> <li>• 512MB RAM</li> </ul> <p>Operating system POP/IMAP combinations</p> <ul style="list-style-type: none"> <li>• Windows XP with either Outlook Express 6, Outlook 2003 (MAPI), or Thunderbird 1.0.7</li> <li>• Fedora Core 4 with Thunderbird 1.0.7</li> <li>• Mac OS X 10.4 with Apple Mail</li> </ul>
<p>Monitor</p>	<p>Display minimum resolution 1024 x 768</p>
<p>Internet Connection Speed</p>	<p>128 kbps or higher</p>

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### **Zimbra Mobile for Network Edition only**

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Zimbra Mobile provides mobile data access to email, calendar, and contacts for users of selected mobile phones.

Zimbra Mobile supports native synchronization with the following devices.

- Treo™ 650 , Treo 700w
- Windows Mobile 5 devices

Zimbra Mobile supports synchronization with the following devices via “Mail for Exchange”.

- Symbian S60/S80 smart devices such as Nokia E Series

Zimbra Mobile supports synchronization with BlackBerry devices via certified third-party partner solutions.

Rev 4/20/07

