System Requirements for Zimbra Collaboration Server 8.0

This document contains Zimbra Collaboration Server system requirements and available language information for both the Network Edition and the Open Source Edition.

ZCS System Requirements

	Requirements

Servers	**Evaluation and Testing**
	• Intel/AMD 64-bit CPU 1.5 GHz
	• RAM requirements:
	  • For single server installations, a minimum of 8GB of RAM is required.
	  • For multi-server installations, contact Zimbra sales for recommendations.
	• 5 GB free disk space for software and logs
	• Temp file space for installs and upgrades*
	• Additional disk space for mail storage
	Production environments
	• Intel/AMD 2.0 GHZ+ 64-bit CPU
	• RAM requirements:
	  • For single server installations, a minimum of 8GB of RAM is required.
	  • For multi-server installations, contact Zimbra sales for recommendations.
	• Temp file space for installs and upgrades*
	• 10 GB free disk space for software and logs (SATA or SCSI for performance, and RAID/Mirroring for redundancy)
	• Additional disk space for mail storage
	*Temp files space: The zimbra-store requires 5GB for /opt/zimbra, plus additional space for mail storage. The other nodes require 100MB.
	General Requirements
	• Firewall Configuration should be set to “No firewall”.
	• RAID-5 is not recommended for installations with more than 100 accounts.

Operating System
Network Edition
	The following operating systems are supported:
	• Red Hat® Enterprise Linux® 7, AS/ES (64-bit) (for 8.0.8 and later)
	• CentOS Linux® 7 (64-bit) (for 8.0.8 and later)
	• Red Hat Enterprise Linux 6, AS/ES (64-bit), patch level 4 or later is required
	• CentOS Linux 6 (64-bit), patch level 4 or later is required
	• SUSE Linux Enterprise Server 11, SP3 (64-bit) is recommended.
	  • For 8.0.5 and later, SP3 is required.
	  • For 8.0.4, SP2 is required.
	• Ubuntu 14.04 LTS Server Edition (64-bit) (for 8.0.8 and later)
	• Ubuntu 12.04.4 LTS Server Edition (64-bit) running the saucy or later kernel is required.
	Note: If the original install was done with Ubuntu 12.04.2 or earlier, manual intervention is required to switch to the saucy or later kernel series. See https://wiki.ubuntu.com/Kernel/LTSEnablementStack for further information.
	• Ubuntu 10.04 LTS Server Edition (64-bit)
	Note: The 8.x series of ZCS will be the last release supported with Ubuntu 10.04 (64-bit). Based on this expectation, we suggest that new Ubuntu systems use Ubuntu 12.04 (64-bit).

Virtualization **Network Edition**	The following hypervisors are supported: • VMware vSphere 4.x • VMware vSphere 5.x
Operating System **Open Source Edition**	In addition to supporting the operating systems listed above for the Network Edition, other operating system versions are available for the Open Source Edition. Check the Zimbra Open Source Downloads page on www.zimbra.com.
File Systems	The following file systems are supported: • **ext3** or **ext4** file system for Linux deployments • **NFS** for backup only

Other Dependencies	Netcat (nc) is required on all operating systems using ZCS. The nc utility must be installed prior to installation or upgrading. For SUSE, Ubuntu, and Debian systems, disable AppArmor and verify that services are not running before installing ZCS. For Red Hat Enterprise, Fedora Core and SUSE operating systems, the server must also have the following installed: • **NPTL**. Native POSIX Thread Library • **Sudo**. Superuser, required to delegate admins. • **libidn**. For internationalizing domain names in applications (IDNA) • **GMP**. GNU Multiple-Precision Library. For Ubuntu 10.04 LTS and Debian 5: • Sudo • libidn11 • libpcre3 • libexpat1 • libgmp3c2 Note: Debian 5 and Ubuntu 10 (64-bit) require libperl5.10
Miscellaneous	• SSH client software to transfer and install the Zimbra Collaboration Server software. • Valid DNS configured with an A record and MX record. • Servers should be configured to run Network Time Protocol (NTP) on a scheduled basis.

Administrator Computers
 	
Note: Other configurations may work.
	The following operating system/browser combinations are supported:
	
	Windows XP with required updates, Vista, Windows 7, or Windows 8 with one of the following:
	• Internet Explorer 8.0 and higher
	  • IE8.x for XP
	  • IE9.x and higher for Vista/Windows 7
	  • IE10 and higher for Windows 8
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Mac OS X 10.5, 10.6, 10.7, or 10.8 with one of the following:
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Linux (Red Hat, Ubuntu, Debian, Fedora, or SUSE) with one of the following:
	• The latest stable release of:
	  • Firefox
	  • Google Chrome

Administrator Console Monitor	Display minimum resolution 1024 x 768

End User Computers using Zimbra Web Client
 	
Note: Other configurations may work.
	Minimum
	• Intel/AMD/Power PC CPU 750MHz
	• 256MB RAM
	
	Recommended
	• Intel/AMD/Power PC CPU 1.5GHz
	• 512MB RAM
	
	For Zimbra Web Client - Advanced version:
	The following operating system/browser combinations for the advanced Zimbra Web Client are supported:
	
	Windows XP with required updates, Vista, Windows 7, or Windows 8 with one of the following:
	• Internet Explorer 8.0 and higher
	  • IE8.x for XP
	  • IE9.x and higher for Vista/Windows 7
	  • IE10 and higher for Windows 8
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Mac OS X 10.5, 10.6, 10.7, or 10.8 with one of the following:
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Linux (Red Hat, Ubuntu, Debian, Fedora, or SUSE) with one of the following:
	• The latest stable release of:
	  • Firefox
	  • Google Chrome

End User Computers using Zimbra Web Client (continued)	**For Zimbra Web Client - Standard version**
	The following operating system/browser combinations for the standard Zimbra Web Client are supported:
	
	Windows XP with required updates, Vista, Windows 7, or Windows 8 with one of the following:
	• Internet Explorer 8.0 and higher
	  • IE8.x for XP
	  • IE9.x and higher for Vista/Windows 7
	  • IE10 and higher for Windows 8
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Mac OS X 10.5, 10.6, 10.7, or 10.8 with one of the following:
	• The latest stable release of:
	  • Firefox
	  • Safari
	  • Google Chrome
	
	Linux (Red Hat, Ubuntu, Debian, Fedora, or SUSE) with one of the following browsers:
	• The latest stable release of:
	  • Firefox
	  • Google Chrome

End User Computers Using Other Clients	Minimum • Intel/AMD/Power PC CPU 750MHz • 256MB RAM Recommended • Intel/AMD/Power PC CPU 1.5GHz • 512MB RAM Operating system POP/IMAP combinations • Windows XP SP 3, Vista SP 2, Windows 7 with Outlook Express 6, Outlook 2003, (MAPI), Thunderbird • Fedora Core 4 or later with Thunderbird • Mac OS X 10.4 or later with Apple Mail **Accessibility and Screen Readers** Zimbra recommends that customers requiring use of screen readers for accessibility leverage the use of the Standard Zimbra Web Client (HTML). Zimbra continues to invest in improving the accessibility of this interface. **Recommendation - If users are presently using IE 6, Zimbra strongly recommends that they upgrade to the latest version of Internet Explorer for optimal performance with ZWC.
Monitor	Display minimum resolution 1024 x 768
Internet Connection Speed	128 kbps or higher

Zimbra Connector for Outlook Network Edition only	
Operating System	• Windows XP with required updates • Vista • Windows 7 • Windows 8
Microsoft Outlook	• Outlook 2003: Client computers must have Microsoft Office Outlook 2003 SP3 or later installed. • Outlook 2007: Client computers must have Microsoft Office Outlook 2007 SP3 or later installed. • Outlook 2010: 32-bit and 64-bit editions of Microsoft Outlook are supported. • Outlook 2013: 32-bit and 64-bit editions of Microsoft Outlook are supported.

Zimbra Mobile Network Edition only

Zimbra Mobile (MobileSync) provides mobile data access to email, calendar, and contacts for users of selected mobile operating system support, including:

Smartphone Operating Systems:

- iOS 4.0 and later
- Android 2.0 and later
- Windows Mobile 6.0 and later

Non-Smartphone Operating Systems:

- Various device/operating system combinations with mobile WAP browser.

See the Zimbra web site http://www.zimbra.com/products/zimbra_mobile.html for more information.

Zimbra Connector for BlackBerry Enterprise Server
Network Edition only

Zimbra Connector for BlackBerry Enterprise Server (ZCB) provides seamless, real-time synchronization of Zimbra user mailbox data to BlackBerry devices. See the Zimbra web site http://www.zimbra.com/products/blackberry-enterprise-server.html for more information.

Available Languages

This section includes information about available languages, including End User Translations and Administrator Translations.

End User Translations

Component	Category	Languages
Zimbra Web Client	Application/UI	Arabic, Chinese (Simplified PRC and Traditional HK), Danish, Dutch, English (AU, UK, US), French, German, Hindi, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Zimbra Web Client - Online Help (HTML)	Feature Documentation	Chinese (Simplified PRC and Traditional HK), Dutch, English, French, German, Italian, Japanese, Portuguese (Brazil), Russian, Spanish
Zimbra Web Client - End User Guide (PDF)	Feature Documentation	English
Zimbra Connector for Microsoft Outlook	Installer + Application/UI	Arabic, Chinese (Simplified PRC and Traditional HK), Danish, Dutch, English (AU, UK, US), French, German, Hindi, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Zimbra Connector for Microsoft Outlook - End User Guide (PDF)	Feature Documentation	English

Administrator Translations

Component	Category	Languages
Zimbra Admin Console	Application	Arabic, Chinese (Simplified PRC and Traditional HK), Danish, Dutch, English (AU, UK, US), French, German, Hindi, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Turkish, Ukrainian
Zimbra Admin Console Online Help (HTML)	Feature Documentation	English
"Documentation" *Install + Upgrade / Admin Manual / Migration / Import / Release Notes / System Requirements*	Guides	English
Zimbra Connector for Microsoft Outlook - Admin Guide (PDF)	Install + Configuration Guide	English

---

Copyright © 2005-2014 Zimbra, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. “Zimbra” and “Telligent” are registered trademarks or trademarks of Zimbra, Inc. in the United States and other jurisdictions. You may not alter or remove any trademark, copyright, or other notice from copies of the content. All other marks and names mentioned herein may be trademarks of their respective companies.

Zimbra, Inc.
3000 Internet Blvd., Suite 200
Frisco, Texas 75034

www.zimbra.com

Zimbra Collaboration Server 8.0

GA - August 2012

Rev 10 - September 2014