Note Zimbra: Zimbra Collaboration 8.7.0 GA Upgrade steps

Cài đặt Zimbra trên CentOs7

**Performing a Single-Server Installation**

Zimbra Collaboration bao gồm Zimbra MTA, Zimbra LDAP server, Zimbra mailbox server. Trong single-server install, tất được các thành phần được install trên 1 server và không yêu cầu sự cấu hình tay

Dưới dây là các bước cấu hình nhanh, cài đặt trực tiếp zimbra lên network connect environment. Trong môi trường, Zimbra server được gán với domain, cho phép nó nhân email và kết nối trực tiếp tới internet.

Khi Zimbra được cài đặt, bạn có thể log on vào Zimbra admin console để quan trị domain và cung cấp các account. Các account được tạo ra có thể gửi và nhận email

**Important Notice About Single Server Installations**

**-** Zimbra được thiết kể để phù hợp với server, nó được đóng gói lại

- Bên trong Zimbra bao gồm Apache Jetty, Postfix, và OpenLDAP

- Zimbra license được yêu cầu khi tạo account trong Zimbra Collaboration Network Edition. Bạn không thể cà Zimbra khi ko có license

**Zimbra Collaboration Network Edition**

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| --- | --- |
| **Remote Queue Manager** | **22** |
| **Postfix** | **25** |
| **HTTP** | **80** |
| **POP3** | **110** |
| **IMAP** | **143** |
| **LDAP** | **389** |
| **HTTPS** | **443** |
| **Mailboxd IMAP SSL** | **993** |
| **Mailboxd Pop SSL** | **995** |
| **Mailboxd LMTP** | **7025** |

Chú ý: Không thể chạy bất kỳ web server, database, LDAP, MTA server khi cài đặt Zimbra. Nếu có bất kỳ service nào được chạy, khi Zimbra được cài, nó sẽ phá, ghi đè, làm hỏng app đang chạy trên server

**Installation Prerequisites**

Cấu hình yêu cầu:

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| **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 (64-bit) * CentOS Linux® 7 (64-bit) * Red Hat Enterprise Linux 6 (64-bit), patch level 4 or later is required * CentOS Linux 6 (64-bit), patch level 4 or later is required * Ubuntu 14.04 LTS Server Edition (64-bit) * Ubuntu 12.04.4 LTS Server Edition (64-bit) running the saucy (3.11) 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 (3.11) or later kernel series. See [https:// wiki.ubuntu.com/Kernel/LTSEnablementStack https:// wiki.ubuntu.com/Kernel/LTSEnablementStack] for further information. |
| **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 Zimbra Collaboration. The nc utility must be installed prior to installation or upgrading.  For SUSE and Ubuntu systems, disable AppArmor and verify that services are not running before installing Zimbra Collaboration.  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 14 and Ubuntu 12:   * Sudo * libidn11 * libpcre3 * libexpat1 * libgmp3c2 |
| **Miscellaneous** | * SSH client software to transfer and install the Zimbra Collaboration 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, 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. | **For Zimbra Web Client - Advanced & Standard version**  Minimum   * Intel/AMD/Power PC CPU 750MHz * 256MB RAM   Recommended   * Intel/AMD/Power PC CPU 1.5GHz * 512MB RAM   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, Fedora, or SUSE) with one of the following:   * 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. |
| **Exchange Web Services** | EWS Clients   * Outlook 2011 (MAC only), Apple Desktop Clients (OS X, 10.8+)   EWS Interoperability   * Exchange 2007+ |
| **Monitor** | Display minimum resolution: 1024 x 768 |
| **Internet Connection Speed** | 128 kbps or higher |

Zimbra Connector for Outlook (Network Edition Only)

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| **Operating System** | * Windows 10 * Windows 8 * Windows 7 * Vista |
| **Microsoft Outlook** | * Outlook 2013: 32-bit and 64-bit editions of Microsoft Outlook are supported. * Outlook 2010: 32-bit and 64-bit editions of Microsoft Outlook are supported. * Outlook 2007: Client computers must have Microsoft Office Outlook 2007 SP3 or later installed. |

Zimbra Mobile (Network Edition Only)

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| Zimbra Mobile (MobileSync) provides mobile data access to email, calendar, and contacts for users of selected mobile operating systems, including:  Smartphone Operating Systems:   * iOS6, iOS7, iOS8, iOS9 * Android 2.3 and above * Windows Mobile 6.0 and above * Microsoft Outlook using the Exchange ActiveSync (EAS)   Non-Smartphone Operating Systems:   * Various device/operating system combinations with mobile WAP browser. |

Zimbra Touch Client (Network Edition Only)

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| Supported devices for the Zimbra Touch Client include:   * iOS6+: iPad®, iPad mini®, iPhone®, iPod touch® * Android 4.0+: Nexus 7, Nexus 10, Samsung Galaxy Tab, Samsung Galaxy S® III, Samsung Galaxy S® 4, Galaxy Nexus |

**Available Languages**

**End User Translations**

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

**Modifying Operating System Configurations**

**-** Zimbra chỉ chạy trên 1 số hệ điều hành bảo gồm Ubuntu, RHEL, SUSE

- Zimbra yều cầu máy chủ được update mới nhất trước khi cài đặt lên

**Install Language and Font Packages**

- Xác nhận lại chính xác font chữ bạn mong muốn trước khi cài đặt Zimbra

- Đối với RHEL/CentOS

libreoffice-langpack-xx

**DNS Configuration Requirement**

**-** Zimbra cần được cấu hình cả MX và A records trong DNS

- Khi gửi Email, zimbra sử dụng DNS để phân giải host name và email routing information. Để nhận email, MX records cần được cấu hình chính xác để định tuyến message của mail server

- Trong quá trình xử lý zimbra sẽ check lại MX records. Nếu sai thông báo sẽ xuất hiện

**Overview of Installation Process**

Các packet bên trong Zimbra:

Zimbra Core:

- Chứa các công cụ, các tool hỗ trợ, tool giám sát, các cấu hình mặc định. Zimbra core được cài mặc định trên mỗi server

Zimbra Store:

- Zimbra store được thêm vào bởi thành phần mailbox server bao gồm Jetty.

- Các thành phần bên trong Jetty (Data store, Message store, index store, Web app)

Zimbra LDAP:

- Xác thực user được cung cấp thông qua OPENLDAP. Mỗi user trên Zimbra server có mã id mailbox riêng, đây là điểm chính để xác thực account. OpenLDAP được customized bưởi Zimbra colla.

- Zimbra LDAP server cần được cấu hình trước các server khác

Zimbra MTA:

- postfix là opensource MTA, nó nhận email thông qua SMTP và định tuyến các message tới Zimbra mailbox thích hợp sử dụng Local Mail Transfer Protocol (LMTP).

- Zimbra MTA được thêm vào anitivirus và anti spam

Zimbra Proxy:

- Zimbra Proxy nâng cao khả năng phần giải proxy service bằng cáp truyền IMAP, POP, HTTP client request tới các ZCS server

- packet này được install trong MTA server hoặc tùy thuộc trên server

Zimbra Memcached:

- Được tự động chọn khi zimbra-proxy được install.

Zimbra SNMP:

- Service này được lựa chọn cho việc giám sát

Zimbar Logger:

- packet được lựa chọn, được cài trên 1 mail box server.

- Zimbra logger được cài khi cần kết hợp syslog và reporting.

Zimbra Spell:

- Aspell là mã nguồn mở, được sử dụng trên Zimbra Web Client

Zimbra Apache:

- được cài đặt tự động khi Zimbra Spell or Zimbra convertd được cài

- Zimbra server có menu tùy chỉnh, cho phép thay đổi giá trị mặc định