Zimbra Collaboration Suite™ Installation Quick Start

for Red Hat® Enterprise OS and Fedora Core 3 OS

The Zimbra Collaboration Suite includes the Zimbra MTA, the Zimbra LDAP server, and the Zimbra server. During the installation process all components are installed and require no additional manual configuration.

This quick start guide assumes that all components will be installed on one server and describes the basic steps needed to install and configure the Zimbra Collaboration Suite in a direct network connect environment. In this environment, the Zimbra server is assigned a domain for which it receives mail, and a direct network connection to the Internet. When the Zimbra Collaboration Suite is installed, you will be able to log on to the Zimbra administration console to manage the domain and provision accounts. The accounts you create will be able to send and receive external email.

This quick start guide includes the following sections:

- Installation Prerequisites
- Overview of Installation Questions
- About Zimbra Software
- Installing Zimbra Software
- Support and Contact Information

Installation Prerequisites

In order to successfully install and run the Zimbra Collaboration Suite, ensure your system meets the requirements described in this section. System administrators should be familiar with installing and managing the Red Hat® Enterprise, Linux® operating system.

System Requirements

- Computer with a minimum of 512 MB RAM and 3 GB of free disk space for the Zimbra software and additional disk space for the mail storage.
- Depending on which operating system
  - Red Hat Enterprise Linux, version 4.0 operating system installed and configured as described in the **Installation Modifications for Red Hat Enterprise Software** section.

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  - Fedora Core 3 operating system installed and configured as described in the **Installation Modifications for Fedora Software** section.
- SSH client software to transfer and install the Zimbra Collaboration Suite software.

  Note: *To find SSH client software, go to http://www.download.com/ and search for SSH. The list displays software that can be purchased or downloaded for free. An example of a free SSH client software is PuTTY, a software implementation of SSH for Win32 and Unix platforms. To download a copy go to http://putty.nl/ .*
- Direct connection to the Internet and access to a DNS server. Either Mozilla Firefox 1.0 or later or Internet Explorer 6.0 or later can be used as the browser interface.

Installation Modifications for Red Hat Enterprise

The Zimbra Collaboration Suite runs on the Red Hat Enterprise Linux, version 4.0 operating system. When you install the Red Hat Enterprise software for the Zimbra Collaboration Suite, accept the default setup answers, except for the following steps. Refer to the Red Hat Enterprise installation guide for detailed documentation about installing their software.

- **Disk Partitioning Setup**. Check **Manually partition with DiskDruid**. The disk partition should be set up as follows:
  - The **Mount Point/RAID Volume** size for the /boot partition should be 100 MB.
  - The **Swap** partition should be set to twice the size of the RAM on your machine.
  - The **Root** partition (/) should be set with the remaining disk space size.

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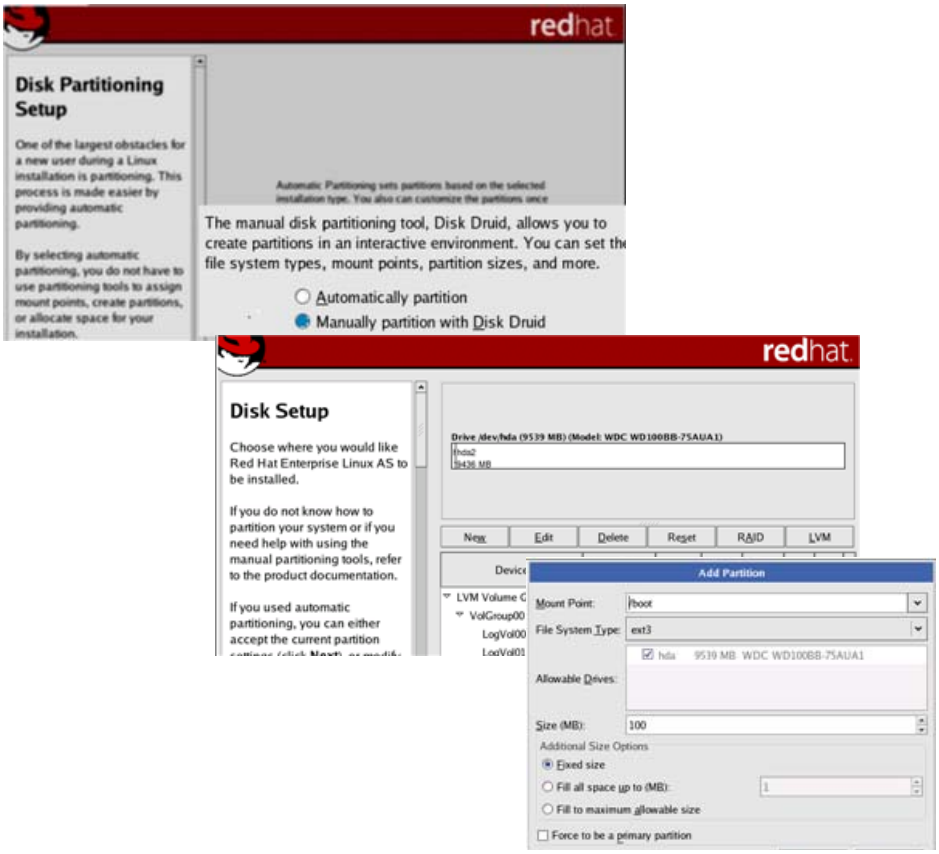
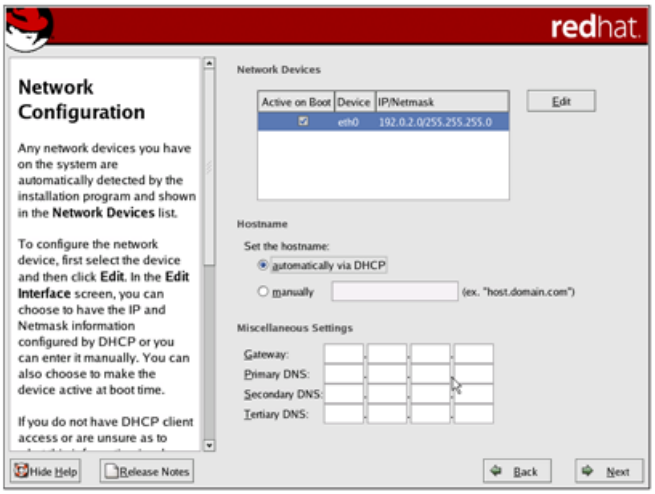
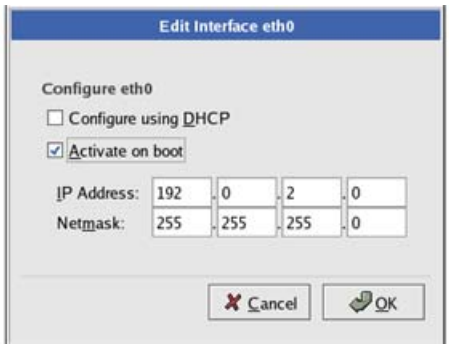


- **Network Configuration>Network Devices>Hostname** should be configured manually with the fully qualified hostname name [*mailhost.maildomain.com]* of the Zimbra server.

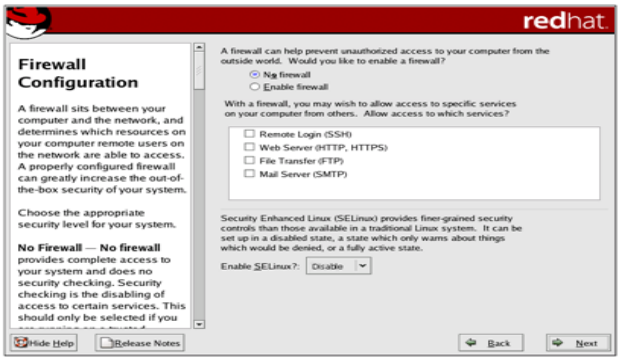


- Enter the **Gateway** and **Primary** DNS addresses.

- In the **Edit Interface** pop-up screen, check **Activate on Boot**. Enter the **IP Address** and **Netmask** of the device. This allows the interface to start when you boot.



- **Firewall Configuration** should be set to **No firewall**, and the **Security Enhanced Linux** (SELinux) should be disabled.



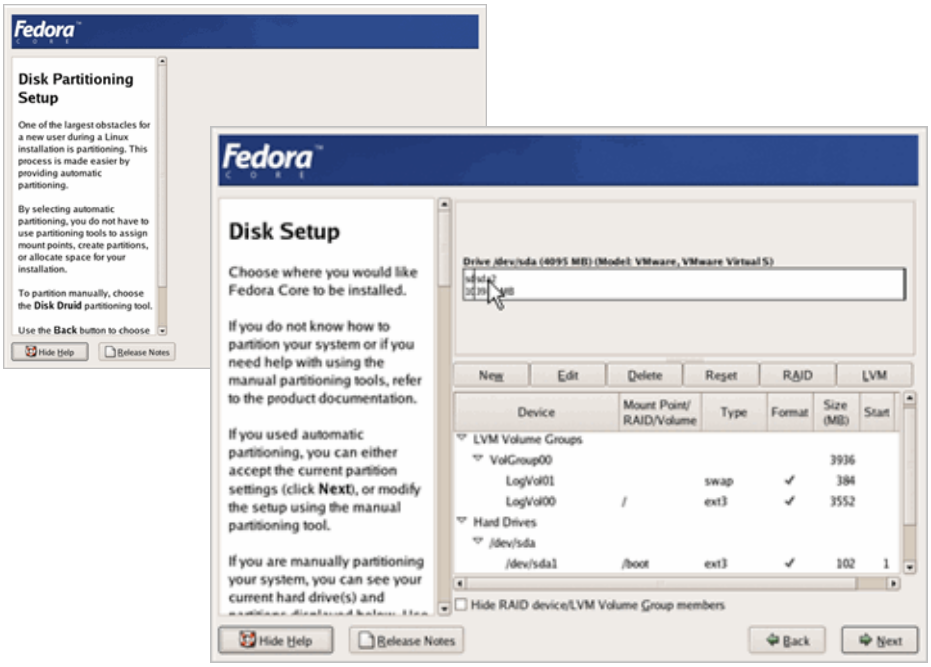
Important: You will need to disable Sendmail in order to run the Zimbra Collaboration Suite. You can disable the Sendmail service with this command, chkconfig sendmail off.

Note: Currently, Red Hat Enterprise 4.0 ships with Kernel 2.6.9. The Zimbra Collaboration Suite runs correctly with this version. If you want to monitor the CPU usage for Zimbra system performance, Kernel 2.6.10 or later must be installed.

Installation Modifications for Fedora

The Zimbra Collaboration Suite runs on the Fedora, Core 3 operating system. When you install the Fedora software for the Zimbra Collaboration Suite, accept the default setup answers, except for the following steps. Refer to the Fedora installation guide for detailed documentation about installing their software.

- **Disk Partitioning Setup**. Check **Manually partition with DiskDruid**. The disk partition should be set up as follows:
  - The **Mount Point/RAID Volume** size for the /boot partition should be 100 MB.
  - The **Swap** partition should be set to twice the size of the RAM on your machine.
  - The **Root** partition (/) should be set with the remaining disk space size.



- **Network Configuration>Network Devices>Hostname** should be configured manually with the fully qualified hostname name [*mailhost.maildomain.com]* of the Zimbra server.

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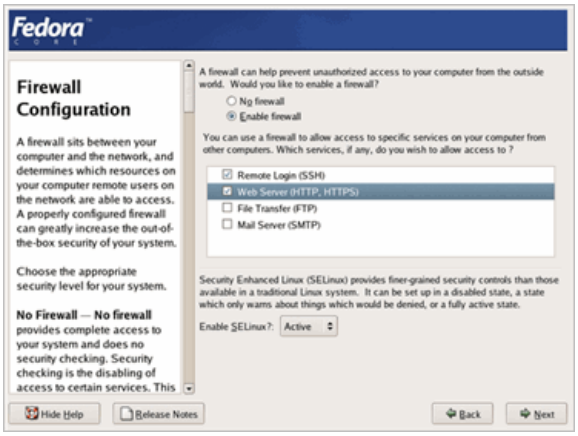
- Enter the **Gateway** and **Primary** DNS addresses.
- In the **Edit Interface** pop-up screen, check **Activate on Boot**. Enter the **IP Address** and **Netmask** of the device. This allows the interface to start when you boot.
- **Firewall Configuration** should be set to **No firewall**, and the **Security Enhanced Linux** (SELinux) should be disabled.



Important: You will need to disable Sendmail in order to run the Zimbra Collaboration Suite. You can disable the Sendmail service with this command, chkconfig sendmail off.

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Overview of Installation Questions

During the Zimbra Collaboration Suite installation, a series of questions are asked. In most cases, a default answer appears in square brackets. You can press Enter to accept the default, or enter another value, if you want to change from the default set up. Two questions must be answered.

- **Enter admin password**: Type a password. Minimum length is six alphanumeric characters. The password is used to log on to the Zimbra administration console.
- **The system will be modified. Continue?**. The default is No. Type **Y** to complete the installation.

Note: The default displays the logical host name and email domain name [mailhost.maildomain.com] as configured in the operating system configuration.

Downloading the Zimbra Software

The download file is a standard compressed tar file. Save the tgz archive file to the computer from which you will install the software.

Installing Zimbra Software

The default configuration installs the Zimbra-LDAP, the Zimbra-MTA , the Zimbra server, the SNMP monitoring tools (optional), and anti-virus and anti-spam protection, on one server.

1. From the computer performing the installation, open an SSH session to the Zimbra server, using PuTTY or another SSH client.
2. Log in as root to the Zimbra server and cd to the directory where the zimbra tgz file is saved (cd /var/<tmp>. Type the following commands.
   - **tar xzvf zcs.tgz**, to unpack the file
   - **cd zcs**, to change to the correct directory
   - **./install.sh**, to begin the installation

   Note: *As the installation proceeds, press* **Enter***, to accept the defaults that are shown in brackets* [ ].

   The install .sh script reviews the installation software to verify that the following five Zimbra packages are available.
   - Zimbra Core installs the libraries, utilities, and monitoring tools.
   - Zimbra LDAP installs the OpenLDAP software, an open source LDAP directory services.
   - Zimbra MTA installs the Postfix open source MTA.

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- Zimbra Store installs the mailbox server, including Apache Tomcat, the servlet container for the Zimbra server.
- Zimbra SNMP installs the SNMP package for monitoring. This package is optional.

These screen shots are examples of screens in a Zimbra installation.

```
[root@mailhost tmp]# tar xzvf zcs.tgz
zcs/
zcs/install.sh
zcs/packages/
zcs/packages/zimbra-snmp-2.0-20050621080101_main.i386.rpm
zcs/packages/zimbra-store-2.0-20050621080101_main.i386.rpm
zcs/packages/zimbra-mta-2.0-20050621080101_main.i386.rpm
zcs/packages/zimbra-ldap-2.0-20050621080101_main.i386.rpm
zcs/packages/zimbra-core-2.0-20050621080101_main.i386.rpm
zcs/bin/
zcs/bin/ldapsearch
[root@mailhost tmp]# cd zcs
[root@mailhost zcs]# ./install.sh

Operations logged to /tmp/install.log.31741

Checking for installable packages

Found zimbra-core
Found zimbra-ldap
Found zimbra-mta
Found zimbra-snmp
Found zimbra-store
```

The installation process checks to see if Sendmail is running. If it is, you are asked if you want to disable Sendmail. The default is yes. The Zimbra Collaboration Suite will not start correctly if Sendmail is running on port 25.

```
Checking for sendmail/postfix

Sendmail appears to be running. Shut it down [Y]

Checking for existing installation...
   zimbra-ldap...not found
   zimbra-mta...not found
   zimbra-snmp...not found
   zimbra-store...not found
   zimbra-core...not found
```

3. Press Enter to accept the host name.

```
Please enter the logical hostname for this host [mailhost.maildomain.com]
```

4. Select the services to be installed on this server. To install Zimbra Collaboration Suite on a single server, enter Y for each package.
   - Zimbra-LDAP
   - Zimbra-MTA
   - Zimbra-SNMP (optional)
   - Zimbra-Store
   - Zimbra-Core

```
Select the packages to install
Install zimbra-ldap [Y]
Install zimbra-mta [Y]
Install zimbra-snmp [Y]
Install zimbra-store [Y]

Installing:
   zimbra-core
   zimbra-ldap
   zimbra-mta
   zimbra-snmp
   zimbra-store

Configuration section
```

5. Select the communication protocol to use, HTTP, HTTPS, or mixed. The default is HTTP.

   Mixed mode uses HTTPS for logging in and HTTP for normal session traffic. All modes use SSL encryption for back-end administrative traffic.

6. You can choose to allow self-signed certificates. The default answer, yes, is required in order for the server to operate correctly. A self-signed certificate is automatically generated.

```
Enter web server mode (http, https, mixed) [http]

Allow self-signed certificates? [Y]
```

7. To accept the default and enable anti-virus and anti-spam protection, press Enter when asked.

```
Enable Clam Anti-virus services? [Y]

Notification address for AV alerts? [notify@mailhost.maildomain.com]

Enable SpamAssassin anti-spam services? [Y]
```

8. Configure whether to be notified by SNMP or SMTP. The default is no. If you enter yes, you must enter additional information.
   - For SNMP, enter the SNMP Trap host name.
   - For SMTP, enter the SMTP source email address and destination email address.

```
Notify via SNMP? [N]

Notify via SMTP? [N]
```

9. Create a domain and enter the domain name. The default is the fully qualified hostname of the server. If you created a valid mail domain on your DNS server, enter it now. In most cases, you will accept the default.

```
Create a domain? [Y]

Enter domain to create: [mailhost.maildomain.com]
```

10. Create an administrator account. This account is the first account provisioned on the Zimbra server and allows you to log on to the administration console. The default is **admin@mailhost.maildomain.com**. To accept the default, press enter.

11. Enter a password for the administrator account. The password is case sensitive and must be a minimum of six characters.

    The administrator name, mail address, and password are required to log in to the administration console.

```
Create an admin account? [Y]

Enter admin account to create: [admin@mailhost.maildomain.com]

Enter admin password (min. 6 chars): [ ]
Re-enter admin password (min. 6 chars): [ ]
```

12. Save the system configuration. When you select Y, the configuration is saved to a temporary file. Press **Enter** after the file name is displayed, to continue.

13. After The system will be modified, Continue?, type **Y**, to start the installation process.

```
System configuration section complete
Package installation ready

Save installation configuration? [Y]

Filename: [/tmp/config.10793]

Start servers after installation? [Y]

The system will be modified.  Continue? [N] y

Removing /opt/zimbra

Removing users/groups
```

14. After the packages are installed, press Enter to start the services. This may take a few minutes.

```
Installing packages

    zimbra-core.....zimbra-core-2.0-20050615100101_main.i386.rpm...done
    zimbra-ldap.....zimbra-ldap-2.0-20050615100101_main.i386.rpm...done
    zimbra-mta.....zimbra-mta-2.0-20050615100101_main.i386.rpm...done
    zimbra-snmp.....zimbra-snmp-2.0-20050615100101_main.i386.rpm...done
    zimbra-store.....zimbra-store-2.0-20050615100101_main.i386.rpm...done

Post installation configuration

Creating db...done
Setting the hostname to mailhost.maildomain.com...done
Setting the LDAP host to mailhost.maildomain.com...done
Initializing ldap...done
Creating server mailhost.maildomain.com...done
Creating domain mailhost.maildomain.com...done
Creating admin account admin@mailhost.maildomain.com...done
Setting smtp host to mailhost.maildomain.com...done
Initializing mta config...done
Adding mailhost.maildomain.com to ./install.shHostPool in default COS...done
Configuring SNMP...done
Setting services on mailhost.maildomain.com...done
Setting up SSL...done
Starting servers...done

Installation complete!
```

When Installation complete! appears, the installation is finished, and the server has been started.

To verify that the server is running:

1. Log on as a Zimbra administrator, from the root
2. Type su - zimbra.

3. Type zmcontrol status. The services status information is displayed. All services should be running.

```
[root@infodev ~]# su - zimbra
[zimbra@infodev ~]$ zmcontrol status
Calling GetServiceInfoRequest (mailhost.maildomain.com)
RESPONSE: (serviceInfo)
      antispam
            status          Running
      antivirus
            status          Running
      ldap
            status          Running
      mailbox
            status          Running
      mta
            status          Running
      snmp
            status          Running
      host
            ip              10.10.130.161
            name mailhost.maildomain.com
```

Provisioning Accounts

Once the mailbox server is running, open your browser, enter the administration console URL and log on to the console to provision email accounts. The administration console URL is entered as **https://[mailhost.maildomain.com]:7071/zimbraAdmin**.

Note: To go the administration console, you must type https, even if you configured only http.

The first time you log on, a certificate authority (CA) alert may be displayed. Click **Accept this certificate permanently** to accept the certificate and be able connect to the Zimbra administration console. Then click **OK**.

Enter the admin user name and password configured during the installation process. Enter the name as **admin@mailhost.maildomain.**

To provision accounts:

1. From the admin console navigation pane, click **Accounts**.

   Note: *The admin account is the only account listed. It was created during installation.*

2. Click **New**, page 1 of the **New Account Wizard** opens.

3. Enter the account name to be used as the email address. The only required information is the account name and last name.

4. You can click **Finish** at this point, and the account will be configured with the default COS and global features.

   If you want to configure aliases, forwarding addresses, and specific features for this account, proceed through the dialog.

When the accounts are provisioned, you can send and receive emails.

Create Aliases For Admin Account

Initial administrative tasks when you log on for the first time include opening your admin account and setting up appropriate aliases so that notifications that are automatically generated are routed to your admin mailbox.

The one alias that is required is the **Anti-virus notification** address. You identified this address during the Zimbra installation for AV alerts. If you accepted the default during installation, the address is **notify@yourdomain.com**.

To create aliases, select your admin account to edit and go to the Aliases tab to create aliases.

Note: If the virus notification address does not exist and your host name is the same as the domain name on the Zimbra server, the virus notifications queue in the Zimbra MTA server and cannot be delivered.

Additional Information

To learn more about the Zimbra Collaboration Suite, read the Administrator Reference Guide and Help.

- **Administrator Reference Guide**. This guide describes product architecture, server functionality, administration tasks, configuration options, and backup and restore procedures. The guide is available in pdf format from the administrator's console.
- **Administrator Help**. The administrator Help provides detailed instructions about how to add and maintain your servers, domains, and user accounts from the admin console.

Support and Contact Information

The Zimbra Collaboration Suite is currently in Beta and we appreciate your feedback and suggestions. Visit **www.zimbra.com** to join the community and to be a part of building the best open source messaging solution.

- Click **Feedback** to send us an email. Let us know what at you like about the product, and what you would like to see in the product.

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- Join the Zimbra Community Forum, to participate and learn more about the Zimbra Collaboration Suite.

If you encounter problems with this beta software, visit Zimbra.com and submit a bug and make sure to provide enough detail so that it can be easily duplicated.
