

## Installing CentOS 4.x Linux

This section provides step by step instructions for installing CentOS 4.x for use with DefenderMX (Secure Mail Gateway). For information regarding any problems encountered while installing CentOS, please contact Fort Systems Ltd.

Before installing the Operating System you will need to connect your system to the network and know:

- The Fully Qualified Hostname for your system
- The IP address for your System
- The Netmask for your System
- The IP address for your Internet Gateway
- The IP address for your first DNS Name Server
- The IP address for your first DNS Name Server (if available)

You should also connect a mouse, monitor and keyboard to the system. These may be removed after the installation

### Installation of CentOS 4.x

1. Boot the machine to be installed with the first CentOS 4.x CD in the CDROM drive.
2. Press Enter at the **boot:** prompt
3. If the CDs were downloaded and burned, the installer will prompt to perform a Media Check. You may skip this test if you have already tested the CD. To perform this check, select **OK** and press **Enter**.  
Media Check screen: Select **Test** and press **Enter**.  
Media Test Result screen: Select **Test** and press **Enter**.  
Media Check screen: The CRDOM drive will open. Close the drive door with the first CentOS 4.x CD in the drive tray, then press **Enter**.
4. Welcome: click **Next**.
5. Language Selection screen: Accept the default of English or select your language and click **Next**.
6. Keyboard configuration: Accept the default of U. S. English or select your keyboard and click **Next**.

(The following partitioning steps may vary depending on your desired disk setup)

7. Installation Type: Select "Custom" and click **Next**.
8. Disk Partitioning Setup: Accept the default of Automatically Partition and click **Next**.
9. Automatic Partitioning: Select the default of "Remove all Linux partitions

- on this system" and click **Next**.
10. Click **Yes** at the Warning confirmation.
  11. Disk Setup: Accept the default partition scheme and click **Next**.
  12. Boot Loader Configuration: Accept the default and click **Next**.
  13. Network Configuration: Make the following changes
    - a. Click the **Edit** button under Network Devices
    - b. Unselect "Configure using DHCP"
    - c. Fill in the IP address and Netmask for your network
    - d. Click **OK**
    - e. Under Hostname, fill in the hostname that resolves to the IP entered for this machine.
    - f. Fill in the information under Miscellaneous Settings. If you are unsure as to this information, see your Network Administrator.  
Note: secondary and Tertiary DNS may be left blank.
    - g. Click **Next**.
  14. Firewall: Select "No Firewall" and set "Enable SELinux" to Disabled, then click **Next**.
  15. Warning – No Firewall: Click **Proceed**.
  16. Additional Language Support: Accept the default of U. S. English or select your Language and click **Next**.
  17. Time Zone Selection: Choose your time zone, and click **Next**.
  18. Set Root Password: Enter a secure password for the system's root account. This password is used for system administration. It is important to select a secure password keep this password in a safe place. Once the password is entered, click **Next**.
  19. Package Group Selection: Scroll down to the very bottom of the page and select "Minimal"

It is very important that you specify the "Minimal" packages be installed. Installing additional packages may cause the DefenderMX installation to fail.
  20. Click **Next**.
  21. About to Install: Click **Next**.
  22. Insert the CentOS CDs if they are requested.
  23. Remove the DC from the drive and close the drive door. Click **Exit** and let the system reboot.
  24. At this point your system should be correctly connected to the network and have access to the Internet.
  25. Login to the system as:  
User name: root  
Password: (The password you installed in step 17 above)
  26. Install the RPM-GPG-KEY, run the command:  
`rpm -import /usr/share/doc/centos-release-4/RPM-GPG-KEY`
  27. Make sure the system is properly connected to the Internet and run yum update to update to the latest system packages:

```
yum -y update
```

If any kernel updates are installed, you should reboot the system and login as root again to continue. Run

```
reboot
```

28. Install ntpd, gcc and rpmbuild:

```
yum -y install gcc rpm-build ntp
```

29. Configure ntpd to start on boot and start ntpd daemon; run:

```
chkconfig ntpd on
```

```
service ntpd start
```

30. Configure nscd (Name Server Caching daemon) to start on boot and start ntpd daemon; run:

```
chkconfig nscd on
```

```
service nscd start
```

31. Edit /etc/sysconfig/i18n to read:

Change line:

```
LANG="en_US.UTF-8"
```

To read:

```
LANG="en_US"
```

32. Edit /etc/aliases

Change line:

```
#root:          marc
```

To to send email to the system administrator(s), for example:

```
root:          admin@yourdomain.com
```

Rebuild the aliases database; run:

```
newaliases
```

33. Reboot system – you're finished

```
Reboot
```

You've completed the install and are now ready to install DefenderMX for CentOS 4.x!