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MINIMUM SYSTEM REQUIREMENTS

- An i686-based or x86-64 computer
- At least Intel Pentium Pro, Intel Pentium 3 or AMD Athlon/Duron.
  - Note that AMD K6, Transmeta Crusoe, CyrixIII, and VIA-C3 are NOT supported.
- ATI, Nvidia or Intel graphics cards recommended for desktop effects
- At least 256 MB RAM
- 5 GB Free Disk Space

SETUP AND INSTALLATION MODE

I. Insert the CD installer in your CD drive. You will see this screen on boot up. For desktops on SATA, select the first option. Otherwise, select the second.

II. Selecting the 1st or 2nd Option will boot up the installer as shown in this screenshot:


II. Selecting the 1st or 2nd Option will boot up the installer as shown in this screenshot:
III. When the loading of modules is done, you will be prompted for a login. There are two login accounts: “root” and “kahel”. For full administrative access and ability to edit configurations as needed, you have to login as “root”. For normal user privileges, you can use “kahel” as login.

IV. After logging in as “root”, you will see the welcome message below. To start installation proper, type “/kahel/setup”.

V. You will see the KahelOS introductory page upon execution of the setup command. Click OK to proceed with the installation process. You will then be directed to the Main Menu.
MAIN MENU OPTIONS

I. **Set Clock.** You can configure system time settings through (a) UTC or Coordinated Universal Time, or (b) local or defining your own time setup.

(a) **UTC** or Coordinated Universal Time

1. **Select** region/continent by typing the number corresponding to your location. Option 11 will let direct you to set your own default time and time zone.
2. Next, type in the appropriate number for your country.

3. The next screen will ask you to confirm the selections you made. Enter 1 (Yes) to save your selections or 2 (No) to go back to selecting your region/continent and country.

The following information has been given:

Philippines

Therefore TZ- "Asia/Manila’ will be used.

Local time is now: Sun Aug 17 03:05:19 PHT 2009.

Universal time is now: Sun Aug 16 19:05:19 UTC 2009.

Is the above information OK?
1) Yes
2) No

1
4. After setting up your time zone, the next screen will let you set your date values. Choose **OK** after selecting your current date settings.

![Set the date.]

5. After confirming your date settings, the next screen will let you set your time values. Choose **OK** after selecting your current time settings and to go back to the **Main Menu**.

(b) Local Time

![Is your hardware clock in UTC or local time?]

![Set the time.]

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1. Choosing **local** will show the screen below that will allow you to choose your region/continent. Enter the number corresponding to your region/continent.

![Screen showing time zone selection]

2. After defining the country/region, you will be asked to select a country. Enter the corresponding number of the country.

![List of countries]

3. The next screen will ask you to confirm the selections you made. Enter 1 (Yes) to save your selection or 2 (No) to go back to selecting your region/continent and country.

![List of countries with numbers]

The following information has been given:

- Philippines

Therefore TZ ‘Asia/Manila’ will be used.

Local Time is now: **Sun Aug 17 03:01:19 EDT 2009.**

Universal Time is now: **Sun Aug 16 19:01:19 UTC 2009.**

Is the above information OK?

1. Yes
2. No

>
4. After setting up the time zone, next is the date values. Select **OK** to save your date values.

5. After setting the date values, next are the time values. Choose **OK** when done to go back to the **Main Menu**.

II. **Prepare Hard Drive.** In Hard drive preparation, the partitions and the filesystem mountpoints are defined.
a. After selecting **OK** in **Prepare Hard Drive**, you will see the following options (1) **Auto-Prepare**, (2) **Partition Hard Drives**, (3) **Set Filesystem Mountpoints**, and (4) **Return to Main Menu**.

1. **Auto-Prepare.** This option will erase the ENTIRE hard drive and skips options 2 and 3 because autoprepare will already partition your hard drive (Option 2) and set mounting points for your filesystem (Option 3).

   (a) **Partitioning** /boot. In Kahel OS, the default /boot partition is **32MB**. You can enter other values then select **OK** to save it.

   (b) **Swap partition.** Default value is **256MB** but you can define your own. Then, select **OK** to save.
(c) **Partitioning / or root directory.** Default value of **7500MB.** Enter other values as may be desired, then select **OK.**

![Partitioning / or root directory](image1)

(d) **Partitioning /srv.** As prompted during the root partitioning, the remaining disk space shall be allocated to /srv. Select **<Yes>** to proceed with partitioning the remaining space to /srv. Else, select **<No>** to enter desired value and partition the remaining space as desired.

![Partitioning /srv](image2)

(e) **Select filesystem for / and /srv.** There are six options you can choose for your filesystem: (1) **ext4,** (2) **ext3,** (3) **ext2,** (4) **btrfs,** (5) **nilfs2,** and, (6) **udf-hd.**

![Select filesystem for / and /srv](image3)
(1) **Ext4** – You can use to large file system support for more info go to this link [http://en.wikipedia.org/wiki/Ext4](http://en.wikipedia.org/wiki/Ext4), this file system is recommended for production.

(2) **Ext3** – allows in-place upgrades from the ext2 file system without having to back up and restore data for more info click the this link [http://en.wikipedia.org/wiki/Ext3](http://en.wikipedia.org/wiki/Ext3).

(3) **Ext2** – for more info for this file format check this site [http://en.wikipedia.org/wiki/Ext2](http://en.wikipedia.org/wiki/Ext2).

(4) **Btrfs** – Claiming a “focus on fault tolerance, repair and easy administration” is said to be a next-generation filesystem. You can browse more on its features at [http://en.wikipedia.org/wiki/Btrfs](http://en.wikipedia.org/wiki/Btrfs).

(5) **Nilfs2** – Its offer minimal damage to file data and system consistency on hardware failure for more info check this link [http://en.wikipedia.org/wiki/NILFS2](http://en.wikipedia.org/wiki/NILFS2).

(6) **udf** - an operating-system-independent file system commonly used on DVD and other digital media UDF can also be used as a replacement for FAT32, without the limitations of FAT32.

Select **OK** after choosing what filesystem you wish to use.

(f) Next screen asks you to confirm the filesystem you selected. Select **YES** to proceed.

(g) Another warning prompt will notify the user that the **/dev/sda** will be **COMPLETELY ERASED**. Select **<YES>** to proceed in formatting **/dev/sda**.

(h) When the **Auto Prepare** is done the notification screen is prompted notify that if the procedure is successful. Select **OK** to go back to the **Main Menu**.
III. Installation of Kahel OS Enterprise Linux Packages

a. Select OK to begin the installation of Kahel OS Enterprise Linux packages.
b. The screen prompts complete installation of packages. Click Continue to confirm installation and return to the Main Menu.
IV. **Configure System.** In this option you will begin configuration of needed and available system settings and resources.

Select **OK** to proceed.

![Kabel OS Enterprise Linux (Desktop Edition) Installation](image)

a. Next screen shows the list of configurations that you can setup.

![Configuration](image)

1. **Hostname.** This is a unique name for your computer or workstation.
2. **Add – Admins.** This is where you add users with administrator privileges.
3. **Add – User.** This is where you add users with normal privileges.
4. **Root – Password.** This is where you set up your root password.

Select **Return** to save the configuration and **OK** to go back to the **Main Menu.**

![Building fsckpio images](image)
V. Installing Bootloader. This is to give you an option of what application to use to boot Kahel OS. Select OK to proceed.

a. Included in this package is Grub. If you want another bootloader, you need to manually install it. Choose GRUB, then select OK to proceed.

b. Selecting your text editor is the next step. Choose OK after making your selection.

In the editor, you need to configure where your system will boot. If you will be using a USB Flash Drive, you have to change the drive mappings manually by changing 'root (hd1,0)' to 'root (hd0,0)'
c. Select your Grub bootloader mounting point.

d. When Grub bootloader is done, the next window prompts for successful installation. Select OK to go back to the Main Menu. Choose Exit install on the Main Menu and select OK.

e. Type “reboot” on the terminal to restart the system.
SUCCESSFUL INSTALLATION

When your Kahel Desktop starts up, you will see this login screen you can now login:

HELP AND SUPPORT

For any suggestions or comments regarding this documentation, please email us at feedback@8layertech.com.

If you need technical support with regard Kahel OS, email us at support@8layertech.com.

Be in the Kahel loop!

- Kahel OS Website [http://www.kahelos.org/](http://www.kahelos.org/)
- Bugs, Fixes and Feature Requests [http://www.kahelos.org/issue/](http://www.kahelos.org/issue/)
- Forum and Discussion [http://www.kahelos.org/forum/](http://www.kahelos.org/forum/)
- Mailing List [http://groups.google.com/group/kahel/](http://groups.google.com/group/kahel/)