Case Study

eMagic Installation Guide

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v1.0	Narendra Bhole	23rd Feb 2012	Initial Draft
v1.1	Raj Gire	3rd April 2014	Hardware Requirements

Contents

1. Introduction

This document provides a detail procedure to install eMagic System Software.

2. eMAgic Software Installation Procedure

Hardware Requirements :

- 64 bit Machine
- Ram-Min 4 GB (Recommended - 16 GB)
- HDD-Min 150 GB
- Processor-Single Quad core (Recommended - 2 Quad Core)
- No OS required -eMagic ISO will be provided.
- Network Interface, 1 GB network Card.

Following are the Steps to install the eMagic Software:

Step 1 : Boot the system with the use of CD or ISO Image User will see following Screen splash of eMagic System:

Fig (1) eMagic Installation Welcome Screen

As shown in above Fig (1), User will see two options listed under welcome screen & they are :

1. Install eMagic System
2. Boot From Local Drive

Step 2: Select Install eMagic System option to proceed with the eMagic System Installation. Over a selection of Install eMAgic System. option; following screen will appear in front of user.

Fig (2) Kernel Process Threads Loading Screen

As shown in above Fig (2), It is loading two processes of the kernel, namely;

1. vmlinuz
2. initrd.img

Both above mentioned files should ideally get installed in 1 to 2 Mins.

Note: Below, we have given a brief feature description of these two kernel Process Threads

a. vmlinuz

This is a kernal a program that constitutes the central core of a computer operating system. It is the first thing that is loaded into memory (mainly RAM) when a computer is booted up (i.e., started), and it remains in memory for the entire time that the computer is in operation. An executable, also called an executable file that can be run as a program.

Vmlinuz is a compressed Linux kernel, and it is bootable. Bootable means that it is capable of loading the operating system into memory so that the computer becomes usable and application programs can be run.

b. initrd.img

initrd.img (initial ramdisk) is a scheme for loading a temporary root file system into memory in the boot process of the Linux kernel. In initrd scheme, the image may be a file system image (optionally compressed), which is made available in a special block device (/dev/ram) that is then mounted as the initial root file system. The driver for that file system must be compiled statically into the kernel.

Step 3: After a successful completion of Step 2, following screen will appear.

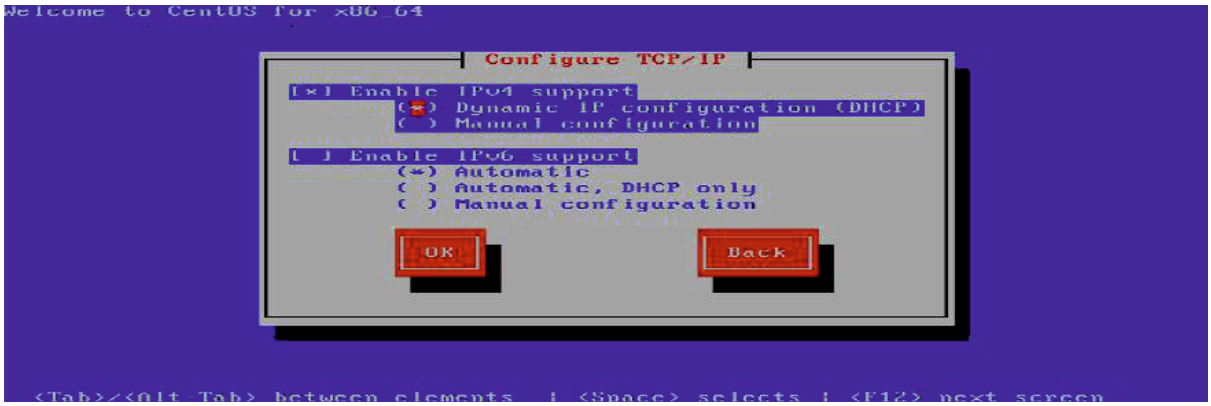


Fig (3) Configure TCP/IP Network Screen

Step 4: Select an option according to your system environment (i.e. Static or Dynamic) to configure a network. As shown in above Fig (3), user can configured their network by selecting one option enlisted under enable IPV4 SupportSection & these options are:

1. Dynamic IP Configuration (DHCP)
2. Manual Configuration

Case 1: If user has DHCP (dynamic) environment, then select Dynamic IP Configuration as shown in Fig (3) Click on OK button & proceed to Step 7.

Case 2: If user has static environment then user have to manually configure their network by providing the details such as IP address, Subnet Mask Gateway & name server address. To perform so; select Manual Configuration Option as shown in following Fig (3.1) & click on OK button.

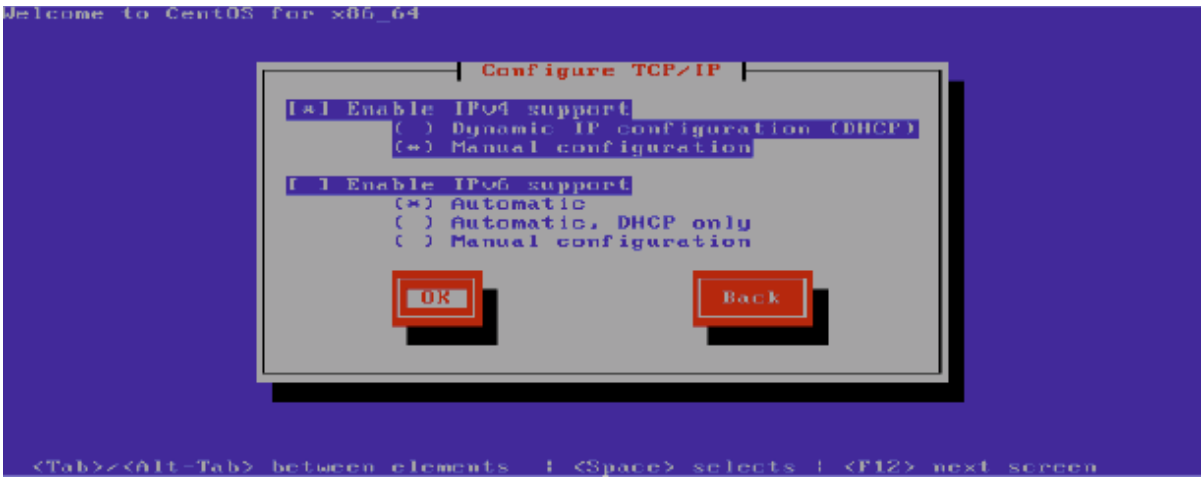


Fig (3.1) Manual TCP/IP Configuration Screen

Step 5: On a selecting Manual Network Configuration action. following Fig (3.1.1) will appear in front of user, where user must manually enter below mentioned fields:

IPV4 Address
Subnet-Mask
Gateway
Name Server

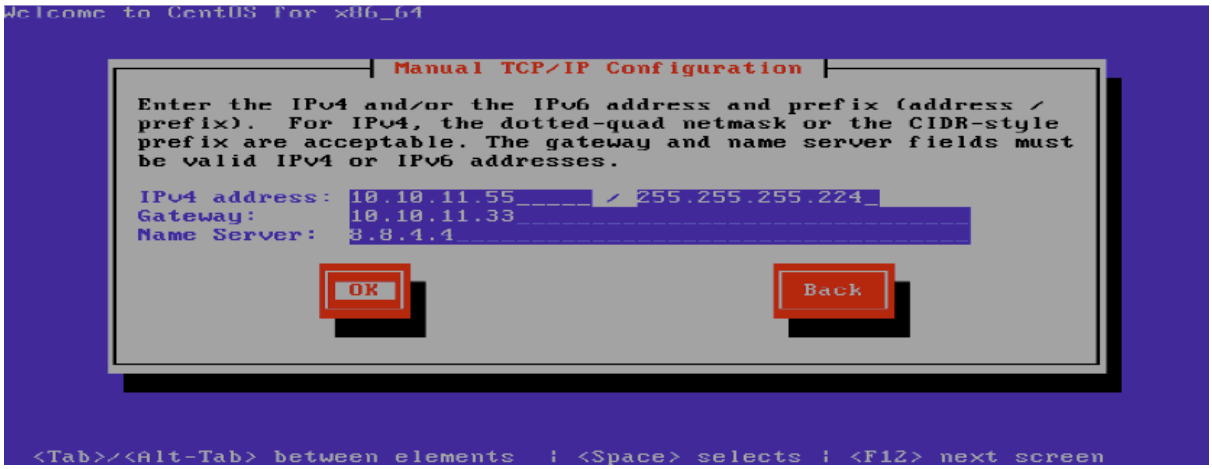


Fig (3.1.1) Manual TCP/IP Configuration Screen

Step 6: Click on OK button to save the manually configured network settings.

Step 7: After following steps for setting up a network configuration, following screen will appear in front of user Refer Fig (4) As shown in the Fig (4) user have to set the root password of their choice which will help them to login into eMagic system & then click on OK button to save it.

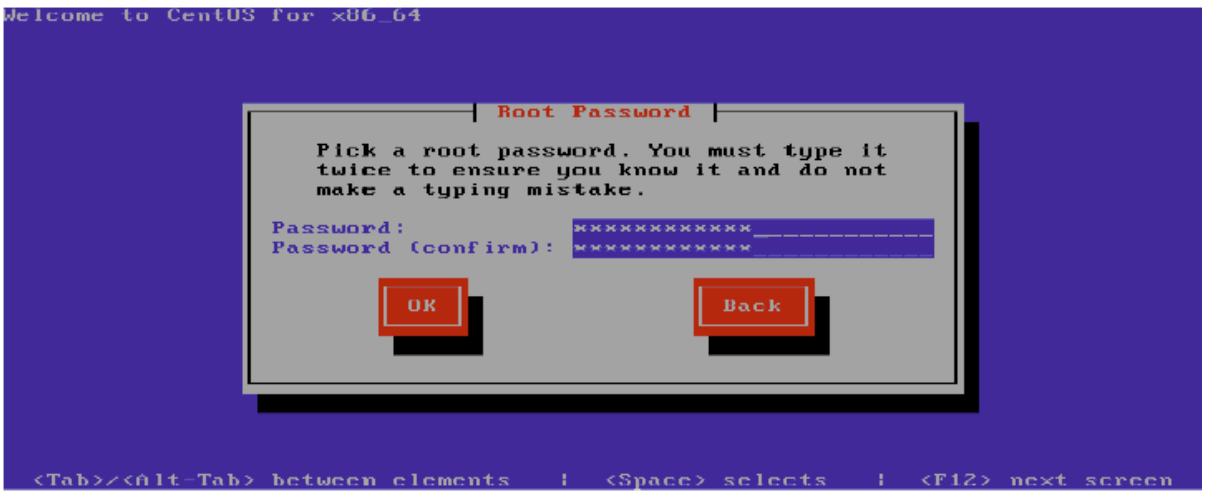


Fig (4) Root Password Screen

Step 8: After setting up a root password action, following screen will appear in front of user. Refer Figure (5).

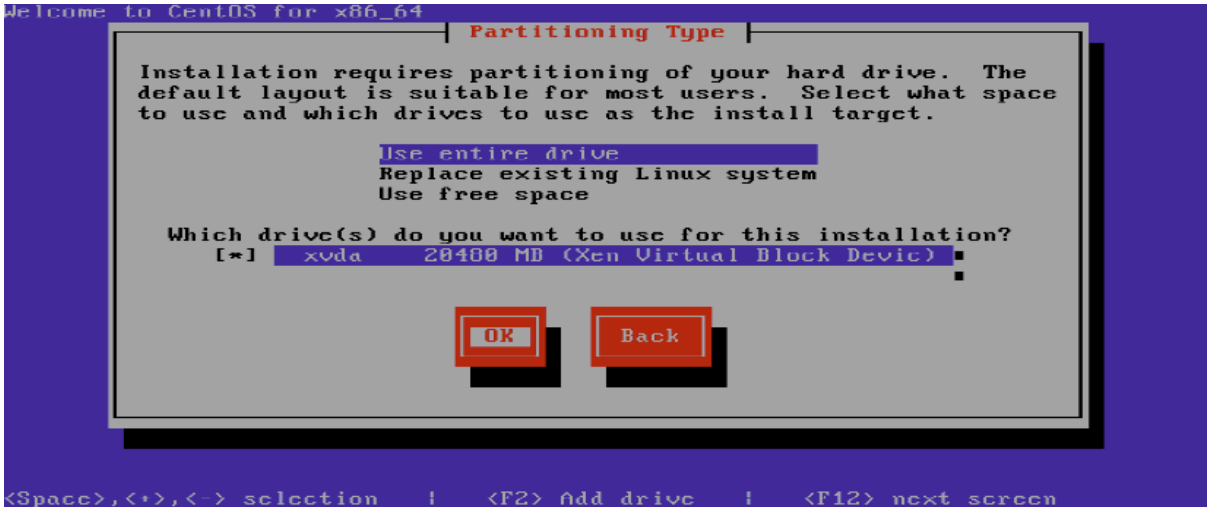


Fig (5) Partitioning Type Screen

Above step is a vital part of eMagic Installatio. As shown in Fig (5), user gets list of partitioning modes from which they can select of their choices.

Note: These Modes Names along with their feature are explained below:

1. Use Entire drive: Using this, user can use entire space of hard drive.
2. Replace Existing Linux System: Using this, user can replace their Linux system with new one.
3. Use Free Space : This option let user to use available free space in a system.

Step 9: Select partitioning mode of your choice. Refer fig (5), in this example we have selected first mode (i.e. Use Entire Drive) for partitioning.

Step 10: Select xvda (Xen Virtual Block device) as shown in above Fig (5) drive for the further installation process & then click on OK button.

Step 11: User will see following installation Fig (6) if all the steps till now are followed accurately:

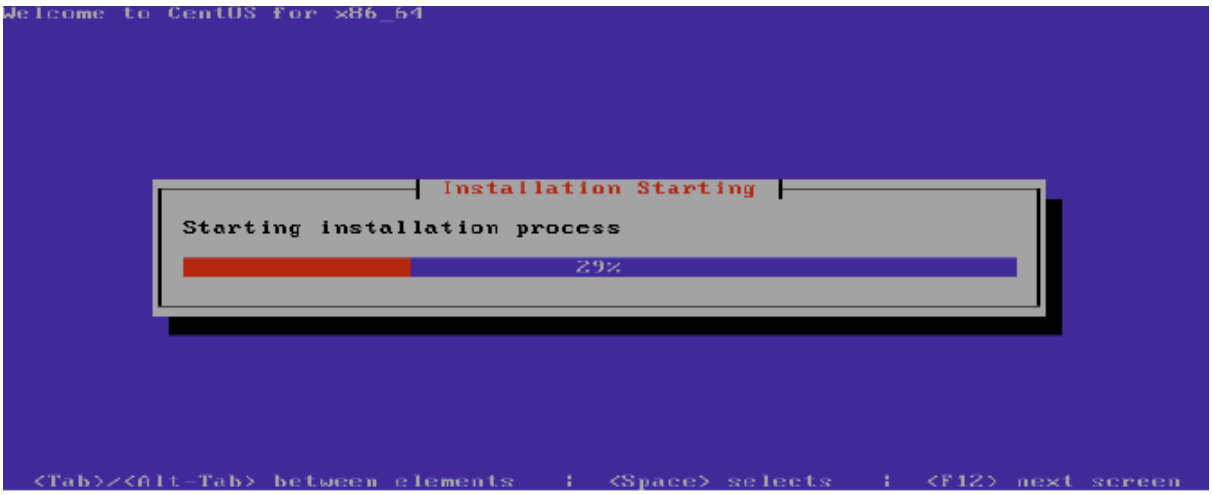


Fig (6) Installation Starting Screen

Step 12: After a successful installation of process, following Fig (7) will appear in front of user which installs the packages that are dependent on eMagic System in the backend. Refer Fig (7).

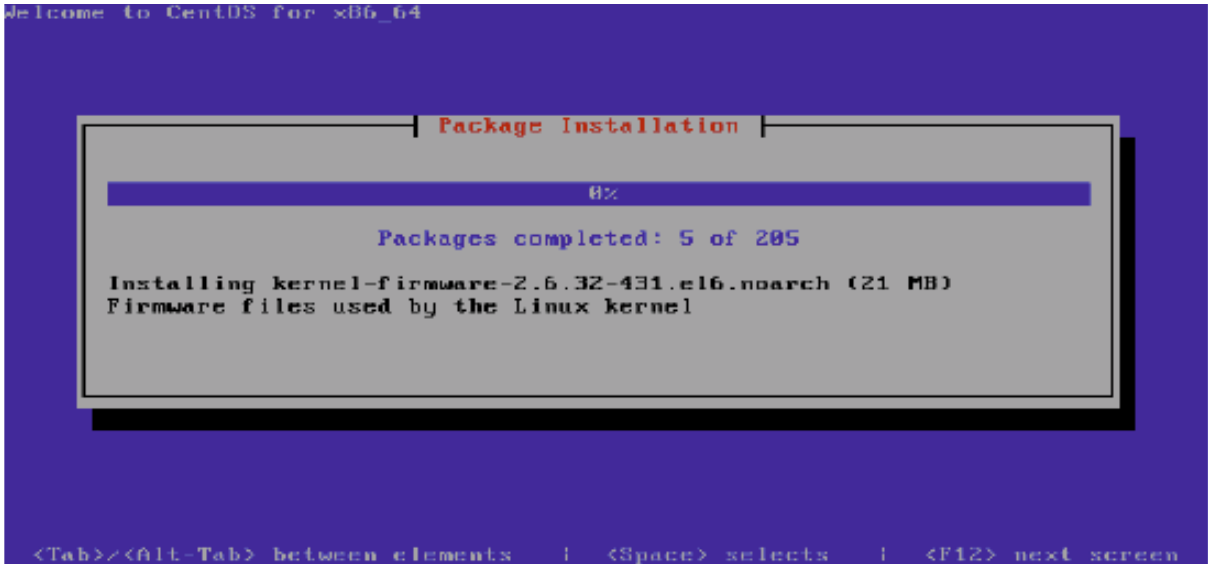
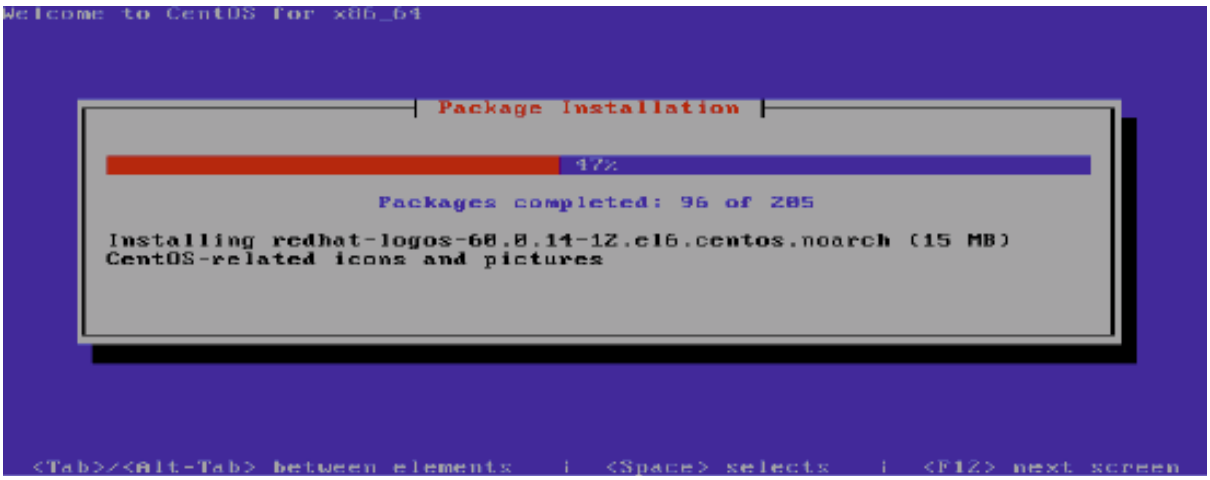


Fig (7) Package Installation Screen

Now user can sit back & relax for time being till all the system dependent packages get installed. Following shows the real time package installation status.



Step 13: After a successful installation of eMagic & it's all packages on user's system, following screen will appear in front of the user. As shown in the following Fig (8) Click on Reboot button to use the installed system.

Fig (8) Installation Complete Screen

Step 14: Once user's system is properly installed & booted up, then user can access eMagic System using System's browser. To do so, user should go through following two cases:

Case 1: If user is static then they must be aware of their system IP.

Case 2: If user is dynamic, then find out System's IP address by using Ipconfig command.

Step 15: Now Using Step 14, user is aware of its system IP address, using it user will able to access eMagic Web Portal. To do so. user should enter its IP address into address bar of their system browser as mentioned below:

http://<IP Address>

This step will validate whether all pre-requisites of eMagic system are accurately configured & if they are then following screen will appear in front of user:

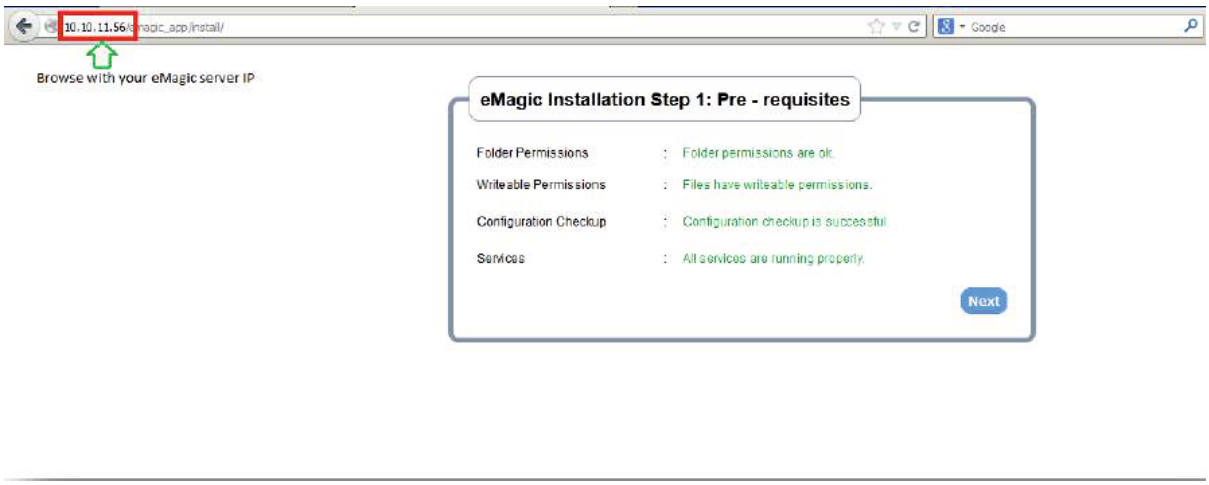


Fig (9) eMagic Installation Pre-requisite Screen

Step 16: Click on Next button, this will show a Configuration screen of eMagic System, Refer following Fig (8.1)

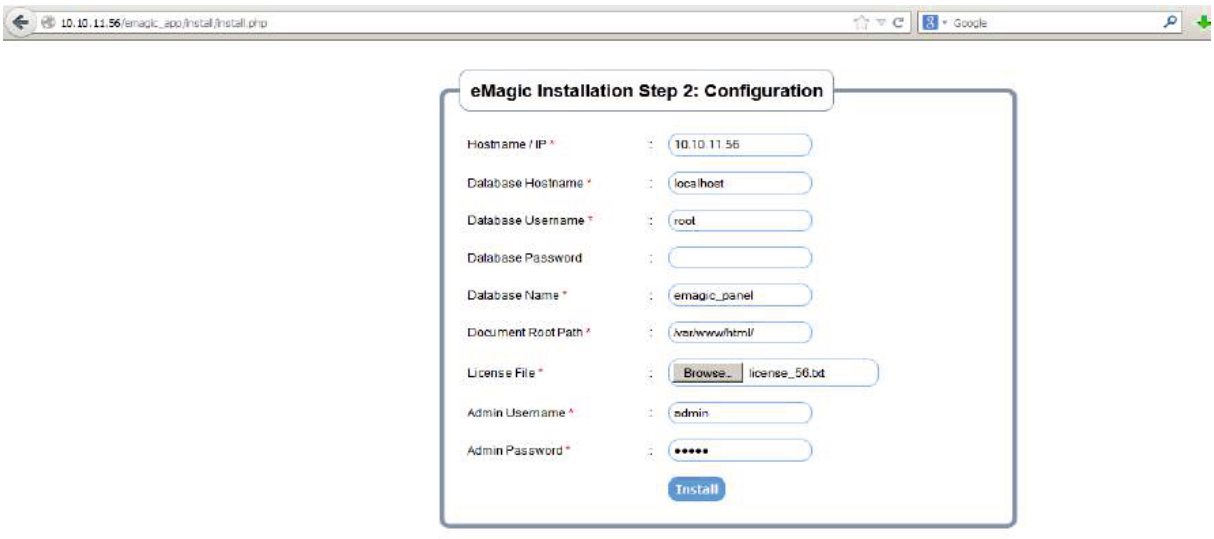


Fig (9.1) eMagic Installation Configuration Screen

Above screen allows user to put required configuration parameters of eMagic like Database Details, Admin Login Details License File etc. User has to contact eMagic Support Service for generating eMagic license with eMagic Server IP.

Step 17: After performing Step 1 to Step 16 accurately, eMagic System will get successfully installed & user will see following screen where using the mentioned link user can login to the eMagic Datacenter Management System & Utilize its flawless functionalities.

Fig (9.2) eMagic Installation Complete Screen

eMagic™

Contact

For any Queries and questions regarding "eMagic DC Management System" Please visit our website http://www.esds.co.in and contract our Technical Experties who will be available 24 X 7 X 365 for you.