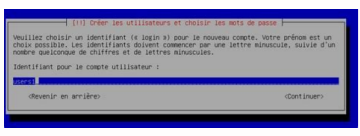
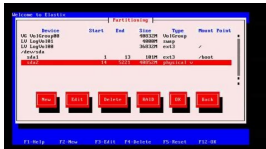


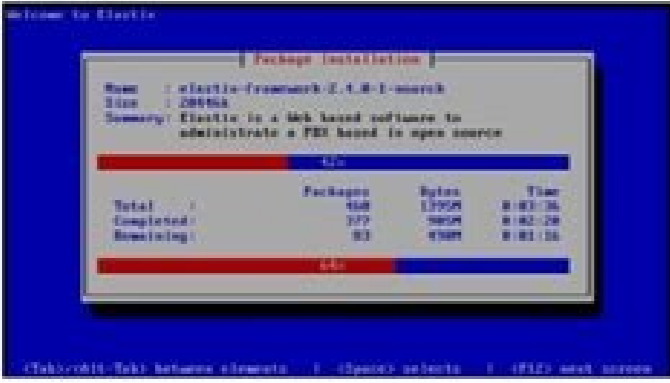
I'm not robot!



دوره آموزش elastix نصب Elastix



در طول مراحل نصب شما می‌توانید نام یکج های مربوطه و میزان پیشرفت نصب را مشاهده نمایید.



پس از نصب موفق یکج ها، بوت لودر نصب می‌گردد و سیستم برای اولین شروع ری استارت می‌شود.



elastix
RESPONSE TO COMMUNICATION

System | Agenda | Email | Fax | **PBX**

PBX Configuration | Operator Panel | Voicemails | Calls Recordings | Batch Configurations | Conference

PBX Configuration

- Basic
 - Extensions
 - Feature Codes
 - Outbound Routes
 - Trunks
- Inbound Call Control
 - Inbound Routes
 - DAHDI Channel DIDs
 - Announcements
 - Blacklist
 - CallerID Lookup Sources
 - Call Flow Control
 - Follow Me
 - IVR
 - Queue Priorities
 - Queues
 - Ring Groups
 - Time Conditions
 - Time Groups
- Internal Options & Configuration
 - Conferences
 - Languages
 - Misc Applications
 - Misc Destinations
 - Music on Hold
 - PIN Sets
 - Paging and Intercom
 - Parking Lot
 - System Recordings
 - VoiceMail Blasting
- Remote Access
 - Callback
 - DISA
- Option
 - Unembedded FreePBX®

Route: Zadarma-in

Delete Route Zadarma-in

Edit Extension 100 (Reception)

Edit Incoming Route

Description: SpinTel-in

DID Number: XXXXXX

CallerID Number:

CID Priority Route:

Options

Alert Info:

CID name prefix:

Music On Hold: Default

Signal RINGING:

Pause Before Answer:

Privacy

Privacy Manager: No

Fax Detect

Detect Faxes: No Yes

Language

Language:

CID Lookup Source

Source: None

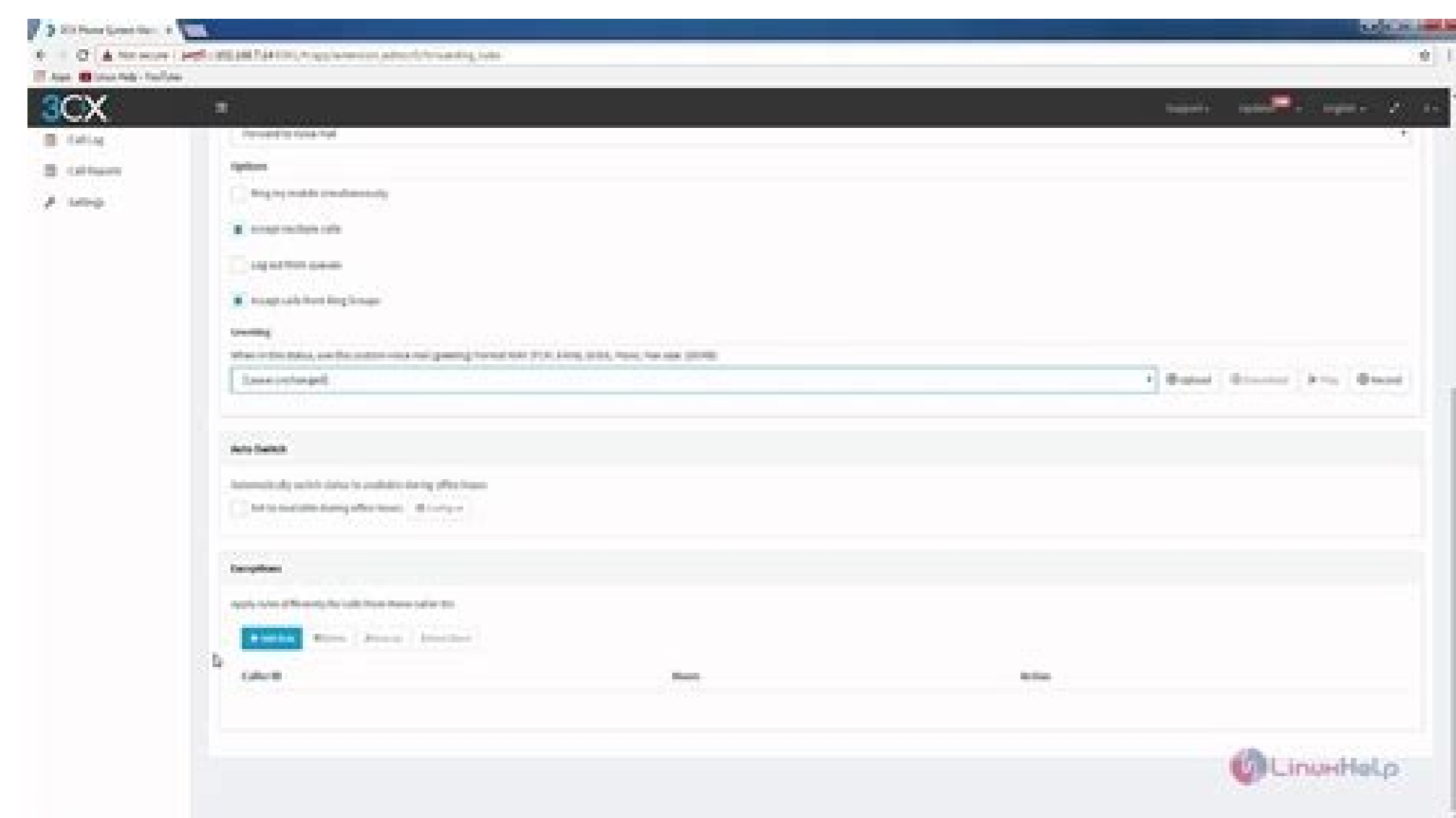
Call Recording

Call Recording: Allow

Set Destination

Extensions: <100> Reception

Submit Clear Destination & Submit



Elastix is an open source PBX-Asterisk-based application that can be used to configure unified communications. It includes telephony functionality, instant messaging, email server, fax server, VoIP communication (VoIP) and video conferencing. The Elastix O / S platform is created and maintained by IT professionals who plan to update new features, repair bugs and regularly update all updated features of all Elastix users. When choosing Elastix as an UC platform, you do not have to pay for additional users. You are limited only by the capabilities of your hardware, so it is very cheap to operate. 5 Elastix is a high-performance handheld PBXA and the functionality is provided by 3CX, a private branch exchange (PBX) based on SIP (Session Initiation Protocol) software. You will get a platform of full unified communications software included with Android, iOS, Windows and Mac. 3CX installing is easy to install and configure, supported IP phones, as it automatically configures its trunks and gateways. It also extends calls over the public telephone network or via Voice over Internet Protocol (VoIP) services. It is essentially an IP telephony system that supports soft and hard phones SIP standard, VoIP services and traditional PSTN phone lines. In this article, we will cover Elastix 5 installation steps using its ISO image on VMware Virtualization environment. So, let's start from its prerequisites. Prerequisites In order to install and setup Elastix 5, we need to create a new VM box, whether you are using Virtualbox or VMware Workstation. After that, we will be required to download the latest Elastix 5 ISO image available from their official Webpage. In this way, Elastix 5 will install Debian 8 Jessie for you with the correct options and subsequently install Elastix 5 as well. Make sure to assign the sufficient amount of RAM, CPU and Disk storage to your VM box depending upon your infrastructural requirements. While installing on a test VM, we will be using 4GB RAM with 2 CPUs and 40 GB of disk as per its minimal recommendations. How to create a New VM in VMware Workstation Let's open your VMware Workstation and select the Home Tab, where you will choose the option to 'Create a new Virtual Machine' as shown below. Next, you will see its configuration wizard, where you will be asked to choose its type, storage, and network types. Then give your new VM a good name like 'Elastix' and choose the system hardware resources including CPU, RAM and Disk storage. After selecting all settings click finish to build your new virtual machine. Your new virtual machine has been setup, now move to the next step to Download the ISO image of Elastix 5. How to Download Elastix 5 ISO Image The ISO image of Elastix 5 can be downloaded from this Elastix Official Web Page. Once you have downloaded the ISO image, you can directly use this with your new virtual machine or burn the image to your disk. Let's attach this ISO image to your new virtual machine by selected the CD-ROM option from the settings bar as shown. How to Install Elastix 5 PBX Let's start your Elastix5 virtual machine, you will see the Elastix 5 Debian Installation Boot Menu, choose the Install from the main boot screen and hit Enter key as shown below to continue. The installation process will start from scanning CD-ROM to setting up additional components required for the smooth installation setup. After running the initial setup, you will get into the Network Configurations, Select Configure Network Manually to set a static IP address on the system. Configure the static IP address for your server and click to continue to the next option to configure the netmask and gateway. After that, you need to set the DNS IP and hostname for your server. Then choose your domain name and click on the 'Continue' button to move to the next option. Select your preferred language to be used for during the installation process. Next, choose your location considering your country where you are residing, that will be used for the time zone and other locale settings. After that, you will be asked to setup the root password for your server, which is necessary to be used for the system administrative tasks. Then it's for the initial server's setup. In the next session, you will be asked to partition your disk, let's Select "Guided - use entire disk". Then select your attached disks to be used for partitioning, make sure that all the data will be removed from the drives. Next, choose the partitioning scheme to be used for your disks, like we are going to select "All files in one partition". Confirm the disk partitioning, after reviewing your selected settings and then click on "Finish Partitioning and Write changes to Disk" and then to "Yes" for writing changes to disk as shown. The system will format your partitions and start installing the base Operating System. This will take some time to configure 'apt' and to install the software packages. At the end of the installation, it will install the grub boot loader and reboot your system to complete the installation process. Once your system is back after reboot, Elastix 5 will be installed automatically - you don't need to log in. After the installation is complete you will be asked if you want to run the PBX configurator tool from a web browser or from the command line. Let's select option "1" to use a web browser. Now point your browser to the following URL and go through the 3CX web configuration wizard. . How to Run and Configure 3CX PBX Tool After 3CX has been installed, it will need to be configured for your network. The PBX configuration tool obtains some important network and security settings and configures 3CX accordingly. To run it, enter the IP followed by port 5015 (eg.) in a browser on another machine. Alternatively, you can run the configuration tool from the command line. After opening the mentioned URL in your web browser, you will be asked whether you are creating a new installation of 3CX or whether you wish to restore an existing configuration. If it's a new install, select 1, if you have a backup of a previous version or other installation to restore, select 2. Option. If you already own a 3CX license, copy and paste the key here, unless you are restoring a backup, in which case the key will be restored automatically. If you don't own a license, copy and paste the free PBX edition license key that was sent to you by e-mail. Enter your license key and click on the "Next" button to continue. Next, specify the username and password to access the 3CX Management Console. Make sure to use a strong password to prevent unauthorized access to your PBX. Confirm your Public IP Address by entering "1" to confirm, or 2 to specify another one. Specify whether your public IP is static or dynamic. For professional use, a static IP is required. For residential use or evaluation purposes, you can use a dynamic IP. A dynamic IP will change at certain intervals. Although 3CX will detect the IP change and update the FQDN accordingly, your calls will not route until it does so. 3CX requires a fully resolvable FQDN and a matching SSL certificate for security. This allows 3CX to work seamlessly in and out of the office. To ease setup, you can choose a 3CX supplied FQDN and Let's encrypt certificate. If you wish, you can configure your own FQDN and upload your own SSL certificate. IMPORTANT: the FQDN/Subdomain you choose will be linked to your license key. If using a trial key be sure to leave your eventual subdomain of choice free. Select the network interface which is connected to the internet / public IP you specified. If you have multiple interfaces ensure this interface is the one with the default gateway configured. The PBX configuration tool will now detect whether you are using NAT or not based on your IP. If it's Local IP, and thus you are behind a NAT, you will have to configure your firewall/router accordingly. Select which web ports you wish to use for the management console. Use alternative ports only if 80 or 443 are already in use. The configuration tool will now configure 3CX and start the services. This may take some time. Once done, a confirmation page will be shown with important information. Make a screenshot and/or print this information - it can not be retrieved afterward! Once you have installed 3CX, or else obtained a hosted instance of 3CX, you will need to go through a number of steps to prepare 3CX for your company to Run the 3CX Setup Wizard, Create Extensions, Configure a SIP Trunk or VoIP Gateway and Deploy IP Phones. Conclusion At the end of this article, you are now able to install and configure Elastic 5 PBX using its latest available ISO image for Debian Linux. It is integrated with 3CX and free of cost for the smartphone, desktop clients and WebRTC-based video conferencing as well. Elastix 5 is bundled in a special free version of 3CX which includes 8 sim calls which are approximately 25 extensions. 3CX has also committed to invest in the Elastix community with free certification, training and forum support while they are planning to announce a reward program for active Elastix community members. That's it for today, thanks for your comments and suggestions. Install Elastix from USB Step by Step Elastix is one of the best Open Source Unified Communications Servers available today, it is very easy to install but the installer is designed to be run from CDROM and we can make the installation in several devices that don't have an optical drive. This document will guide you to modify the installer so you can install entirely from a USB Flash drive. Warning: The Server Security is a very important and serious aspect in a VoIP server, this guide will not cover that but there is plenty of information on that topic in the Internet. If you are looking for a professional installation contact me and I'll be glad to help you for a very reasonable price. This guide was created using a PC with an unpartitioned hard disk. If your hard disk is already partitioned, formatted or has data you need to keep, you may need to adjust the settings for your configuration. You may also lose the data in the disk. I assume no responsibility for data loss or hardware damage, if you decide to follow this guide, you do so at your own risk. What you need: Computer with hard drive 2GB or larger USB Elastix ISO UNetbootin (to create the bootable USB) Let's start ... 1. Go to the Elastix Web Site and download the ISO, the stable version right now is 2.4.0, but this guide should work with the beta and alpha versions too (I hope). distro.html 2. Then get UNetbootin to make the USB bootable. 3. Format the USB in FAT32. 4. Open UNetbootin, 1. Select ImageDisc 2. Click on the ... button and select the elastix iso you downloaded earlier 3. Select your usb drive 4 Click OK UNetbootin will make the USB bootable and will extract the ISO files to the USB. When UNetbootin finishes extracting just click on Exit, we don't need to reboot. 5. Now let's copy the Elastix ISO to the USB, even though UNetbootin extracted the ISO in the USB we also need the ISO in the USB. When Anaconda (the linux installer) installs from hard drive it looks for the ISO. 6. We need to modify two files in the USB Here we need to understand how Linux identifies the different drives we have in the computer, usually the first hard drive is SDA, the second is SDB and so on. So if you are going to install Elastix to the first hard drive (and the only one) that would be SDA. For Linux the USB will be another hard drive so it will identify it as SDB if there are no other hard drives in the PC. If you have 2 hard drives, then the USB would be SDC. Now that we understand the Linux hard drive naming, let's open the first file we need to modify: I recommend you to use Notepad++ to modify the files, sometimes windows notepad does not handle Linux files very good. You can get it here: plus.org/ Open the file syslinux.cfg with Notepad++, the file is in the root of the USB. Look for this line, in my file is line 9, but it may change: append intrdr=ubninit ks=cdrom:/ks default.cfg ramdisk size=8192 and change it to: append intrdr=ubninit ks=hd:sdb1/ks default.cfg ramdisk size=8192 The original line instructs the Linux installer to look for the configuration file in the CDROM, we changed that to make it look for the file in a hard drive (SDB1), the 1 at the end is the partition, sdb1 is the second hard drive's first partition. If you have more than one hard drive you would have to modify the line. As we only have one hard drive (sda) the usb is the second hard drive (sdb), if you have 2 hard drives then the USB would be the third hard drive (sdc). That is all for the first file, save it and close it. Now let's look for the file ks default.cfg in the USB root and open it with Notepad++ Look for this lines: #Use CDROM installation media cdrom and change it to: #Use CDROM installation media #cdrom we comment the cdrom line because we are not going to install from cdrom. Now append this line after the CDROM section ignoredisk --drives=sdb This line tells the Linux Installer to ignore the USB as a target for installation, we won't install to the USB we are going to install to the hard drive. Now look for this line, is right below: #System bootloader configuration bootloader --location=mbr and change it to: #System bootloader configuration bootloader --location=mbr --driveorder=sda,sdb This change is very important, it tells the Linux installer that the computer boots first from sda (the hard drive), so it installs the bootloader there. If you miss this change, the linux installer will install the bootloader in the USB, so you would only be able to boot Elastix if the USB is connected. That's it for the second file, save it and close it. 7. We are ready to start the installation. Plug in the USB drive in the computer and turn it on. As we only have one unpartitioned hard drive, the PC should boot directly from the USB. If it doesn't, load the computer boot menu and select the USB to boot. 8. You should see the screen below, just hit Enter to continue. 9. Select your installation language and hit enter to continue. 10. Select the keyboard layout and hit enter to continue. 11. In the next screen select Hard Drive and enter to continue. 12. Now, if you are using the same configuration as me (one unpartitioned hard drive), you should get only one choice here /dev/sdb1 (arrow 1) which is the USB, if your hard drive already have partitions or you have more than one hard drive you will probably get a list here. You should select the USB, usually it is the last one in the list. If you copied the Elastix ISO to the USB root just leave the directory blank (arrow 2), if you copied it to a directory, specify it there and the click OK to continue. 13. If your hard disk was unpartitioned you will get a warning that the installer will overwrite all the data, just select yes to continue. 14. Now in the partition type screen, select the first option and make sure the hard drive in which you plan to install Elastix is selected, then select OK to continue. 15. You are going to see another warning about losing all your data in the hard drive, this is the last one, so make sure the data in the hard drive (if any) can be deleted. select Yes to continue. 16. If you want to modify the installer suggested disk layout you can do so in this screen, usually we would not need to change it, so click no to continue. 17. In the 4 following screens, configure the NIC parameters according to your current network, select YES to continue. The data in the previous screens is just an example, fill the data with your own network info. 18. Select a Hostname, and fill it in this screen. 19. Now select your current time zone, leave the option "System clock uses UTC" unchecked as some versions of FreePbx don't handle UTC very well. 20. Select a strong root password and write it down or memorize it, it is not easy to recover it if you lose it. 21. The installer will now format the hard drive and copy all the files needed, this step could take 10 minutes or more depending on the hardware you have. 22. After the file copy is complete, the computer will reboot, make sure you have the hard drive as the first boot device in the bios. Elastix should boot from the hard drive and you should see a screen like this. 23. In the first boot Elastix will ask for 2 passwords, first Mysql password, as a regular user, this password is not used very often, but if you are going to need access to the databases to make special applications you will need it, so better write it down. Then the admin password, this is a very important password, it is the one you will use to enter to the web interface to configure your server, make sure it is a complex password and to write it down. 24. And that's it, you now have Elastix installed without the need of a CDROM drive !!! Referencia: Edited by vvillegas - 30.Noviembre.2018 at 9:23am

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