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Kali Linux 2020.1 is now available for immediate download. Kali Linux is an advanced Linux distribution penetration testing suitable for ethical hacking, penetration testing, and network security assessments among other security-related operations. This Linux distribution has evolved from its original release, to being a rolling Linux distribution that can be used for common computing purposes. The release of Kali Linux 2020.1 has made things even better. In this release, you don't get an operating system with lots of tools you never use. During installation you have the controls to decide the tools you want to install and the desktop environment of your choice. What's new about Kali Linux 2020.1 Some of the major changes: the transition from GNOME to Xfce: the default DE is now Xfce. But you can choose KDE, Gnome e.t.c during installation. Non-Root by default - You fold the standard user account during installation. Use kali/kali credentials to log in to download Live images. Cali's single image installation is an all-in-one offline installation mode. Has all the selections of packages by default. This image now has XFCE, GNOME, KDE, etc. unlike older releases that distributed desktop environments as separate image files. Cali NetHunter Rootless - Now you can run Cali NetHunter's Android phone is not rooted. Improvement theme - New themes for GNOME - light and darkness. Cali Undercover - Cali-Undercover is now starting to feel even more like Windows to help fit in new tools - cloud-enum, emailharvester, phpggc, Sherlock, Shard. Python 2 End of Life - Tools depending on Python 2.x removed. Install Kali Linux 2020.1 - Step by step with screenshots Now that we've seen the new features in Cali Linux 2020.1, let's move on to installing steps. Step 1: Download Kali Linux installer ISO Image Visit the download page and pull out the latest release of Cali Linux. --- with wget --- $Wget If you have a torrent app, you can use the Torrent link instead. There are ready-to-download images for VirtualBox and VMware. If you want a Live image, pull it under the Kali Linux (Live) section. Step 2: Create a USB boot drive When you install on a laptop, desktop, or server you need to create a loader to install. On Linux, use the dd command: sudo dd if'kali-linux-2020.1-installer-amd64.iso of'/dev/sdX bs-512k Where:/dev/sdX is your USB device If on Windows or macOS is an Etcher user. Choose an image, USB device and press the Flash button to get started. Step 3: Boot Kali Linux Installation Image Insert Bootable USB Drive Drive your computer and download from it to start the installation process. After downloading: Choose a graphic installation method - Recommended for new users. Choose a language to use during the installation process - English for me. Choose a country for a time zone that will be set for your machine during installation. Set up the keymap keyboard. Wait for the installation components to load. Set the name of the car host. Set a domain name, it's going to be part of F'DN - domain_name create a user for some administrative action - set the full name and username. Set a password for the user. Set the desired time zone sharing method Select the language Select your preferred language on the next screen and click on the Continue button. Step 3: Choose your location The next step is to indicate our geographic location. Then we press the Continue button. Step 4: Set up the network - Enter Hostname At this point the image is copied to our hard drive, our drive section method - If you're not sure to go with Guided - use the entire drive. Choose a disk to install. Choose how to split. For new users, all files in one section should work normally. If you have enough size to install the drive, you can go with individual/home, /var, /tmp sections. This may require user sections to run in previous stages to accurately distribute the drives. Write changes to the disk. If you choose LVM, set the volume group size to be created. Make changes to the drive Wait until the installation starts - it should take a few minutes. If you have a proxy network for external access, set it up on the next screen. The packet manager's apt configuration will begin. Select software apps and Kali desktop environment to install. You can choose tools based on your case of using Kali Linux - The purpose to install. Install the GRUB downloader for the main download recording so you can upload an image of Kali Linux. Select the target drive to install the GRUB - Basically the first drive. Your installation has been completed successfully if you don't see any error reports. You can continue and reboot the system to start using Kali Linux. Our following guides will cover common operational tasks that need to be done after Kali Linux is installed. If you start with a pener at the same time, check out the other cali Linux tutorials available. Install The Vivaldi web browser on Linux Mint/Cali Linux Add Cali Linux official repository for sources.list How to install VirtualBox on Cali Linux/Linux Mint How to install Cali Linux? Kali Linux is a Linux distribution obtained by debian designed for advanced penetration, digital forensics, and security auditing. It is maintained and sponsored by Offensive Security Ltd. Kali contains quite a few tools that assist in fulfilling several information security responsibilities. Few of these tools: These tools are used for many purposes, most of which include using the victim's or network application, conducting network detection and scanning the target IP address. The procedure for installing Kali Linux Now that we've seen how Kali Linux can be useful, let's take a look at the installation stages and procedures Kali Linux. Installing the need for Kali Linux Installation is an easy and stress-free process. First we have to check if our computer has compatible equipment. Platforms such as amd64, i386 and ARM support Kali Linux. Images of i386 can be launched on systems with more than 4GB of RAM. domain_name Installation of the installation Kali Linux will require at least 20GB of storage space. We'll need RAM for systems that use the i386 and amd64 architectures, with at least 1GB of RAM, but it's recommended to have 2GB of RAM or more. Our system should have CD-DVD Drive support support support installation Installation Preparation Steps to install Cali Linux let's look at the installation steps of Cali Linux: Step 1: Boot Screen To launch the installation, download the system with CD or USB, depending on the installation environment we chose. We'll be greeted with a Kali Linux download screen. Here we can choose either a graphic installation or a text-setting. For our example, we'll choose a graphical installation. Step 2: Choose the language Select your preferred language on the next screen and click on the Continue button. Step 3: Choose your location The next step is to indicate our geographic location. Then we press the Continue button. Step 4: Set up the network - Enter Hostname At this point the image is copied to our hard drive, our network interfaces are checked and then we are asked to enter the host name for the system. Click on the Continue button after entering the host's name. In our example we took kali as the host name. Step 5: Set up the network - Enter the domain name Additionally, we can also provide a domain name for our system to be able to use by default. Step 6: Set up a user account Next step, we'll need to provide a username to set up the user account. A full username is a reasonable choice for this area. Step 7: Setting up a user ID based on the username provided in the previous phase will create the default user ID. We can change that later from the settings if you like. Step 8: Set up the clock then, we will set our time zone in this step. Step 9: Separation Method At this stage, the installer will review and analyze our drives and offer us four options, as shown in the screenshot below. For our example, we will use the entire drive, hence we will choose the first option. The second and third option will require us to set up LVM (logical volume manager), and the fourth option, the Guide, can be used by experienced users for manual separation, providing them with more detailed configuration parameters. Step 10: Section drives After selecting our section method, we have to select the drive for the section. Step 11: A separation scheme based on our needs, we can either keep all the directories in one disc, or choose separate sections for directories. If we are unsure of the options, it is safest to go with the All Files option in one section. Step 12: Review of Changes This is a review page where we can options that we chose and check last time if all our configuration changes are correct, because once we click on Continue, the installer will get to and irreversible changes will be made. Here we have almost finished our installation, as the main steps are made. Step 13: Set up a package manager at this stage, we've set up network mirrors, and we'll need to enter proxy information, if any, as needed. NOTE: Choosing No on this screen will not allow us to install packages from Cali Step 14 storage: Install grub At this stage, we will be asked to install grub. Step 15: Cali installation Finally, we have completed the installation of Cali. Click on the Continue button to reboot the system in the Cali installation. Now that we've installed Kali Linux, it's time to sit back and enjoy our new distribution! User forums can always be used to get more help during and after installation. Featured article This was a guide on how to install Cali Linux. Here we discussed steps to install Kali Linux and Kali Linux procedures with needs and backgrounds. You can also look at the following articles to find out more - Last updated July 21, 2020 26.4K Views If you're a person who pursues a career in information security, one of the most important things is to have a security oriented operating system. A suitable OS helps you do a time-consuming and tedious task efficiently. Currently, there are countless Linux-based OS, but Cali Linux is arguably one of the best options. It is used by cybersecurity experts for penetration testing, ethical hacking, and network security assessments. In this article we will look at how to install Kali Linux.Let's look at the topics covered in this article: What is Kali Linux? Why do people use Kali Linux? How do I install Kali Linux? Lets get started! What is Cali Linux? Kali Linux is the industry's leading Linux distribution in penetration testing, ethical hacking, and security auditing. When it comes to penetration testing, hacking and offensive Linux distributions, one of the first things to mention is Kali Linux. The software comes pre-packaged with various command line hacking tools aimed at different information security tasks. Such as penetration testing, network security, computer forensics, and application security. Basically, Kali Linux is the ultimate OS for ethical hackers and is widely recognized in all parts of the world, even among Windows users who may not even know what Linux is. So, what makes Kali Linux the preferred choice over other Linux distributions such as Parrot Security, Backbox, Blackarch and many others? This video is Edureka on How to install Kali Linux? help you understand how to install Kali Linux on different platforms, like windows, Mac and Linux distributions. Why do people use Kali Linux? Kali Linux is the most preferred operating system for various information security tasks for the following reasons: More than 600 penetration testing tools from various areas of security and forensicsSSPoly customizable, So if you're not comfortable with the current Kali Linux features, you can customize Kali Linux the way you want, although penetration tools are usually written in English, Kali provides multilingual supportIt supports a wide range of wireless devicesComes with a custom core, corrected for injections Developed in a secure environment This is free and open software With, for the above reasons, Cali Linux is the most popular OS used by cybersecurity experts. If you want to get into the world of cybersecurity and ethical hacking, learning how to install Kali Linux is the first step. You can go through this video lecture on cybersecurity where you can find our training expert discussing every and every nitty-gritty technology. This Edureka video on What Is Cybersecurity gives an introduction to the world of cybersecurity and talks about its basic concepts. You will learn about the different types of attacks in today's IT world and how cybersecurity is the solution to these attacks. Let's start with our Kali Linux installation! How do I install Kali Linux? Installing Kali Linux is a fairly simple process and you have several installation options. The most preferred ones include: Installing Cali Linux by making Cali (linux) bootable USB driveKali Linux hard drive installUsing virtualization software such as VMware or VirtualBoxDual download Kali Linux with the operating system While you have several options to choose from, in this article, we learn how to install LinuxKali using virtualization software. Below are the steps below, you can customize the machine with all the tools you need to perform a comprehensive penetration test. RECOMMEND INSTALLATION REQUIREMENTSMinimum 20GB of free space on the hard drive. At least 4GB of ram is recommended when using VMware or VirtualBoxCD-DVD Drive/USB SupportGetting Started with InstallationStep 1: Install VMwareIn order to launch Cali Linux, we will need some sort of virtualization software first. Although there are many options to choose from, such as Oracle VirtualBox, I prefer to use VMware. Once installed, run VMware from the app folder. Step 2: Download Kali Linux and check the integrity of the imagesss download Kali Linux you can go to the official download page and choose the one that best suits your needs from there. Also on the download page, you'll find a bunch of hexagonal numbers. And it's not there for fun. Kali Linux is designed for use for security-related tasks. So you have to check the integrity of the image you are uploading. You check the SHA-256 fingerprint of the file and compare it to the one provided on the download site. Step 3: Launch of a new virtual machineOn VMware Workstation Pro Click on to create a new virtual machine, select the Kali Linux iso file, select the guest operating system and customize the virtual details of the machine (here, Cali Linux). Start the virtual machine by selecting Kali Linux VM and then clicking on the green Power On button. The car will start! INSTALLATION PROCEDUREStep 1: Once the machine is powered, you will be asked to choose your preferred installation mode in the GRUB menu. Choose a graphic installation and continue. Step 2: The next few screens will ask you to choose location information, such as your preferred language, location of your country, and keyboard layout. Step 3: Once you receive local information, the loader automatically installs some additional components and adjusts the settings associated with the network. The installer will then prompt the host name and domain for the installation. Provide relevant information to the environment and continue installation. Step 4: Set the password for your Kali Linux machine and the kick will continue. DON'T FORGET THIS PASSWORD. Step 5: Once you've set the password, the installer tells you to set the time zone and then stops when the disk is split. The installer will now provide you with four versions of the disk sections. The easiest option for you is to use the Guide - Use the whole drive. Experienced users can use the Section Guide method for more detailed configuration options. Step 6: Select the section drive (recommended option - all files in one section for new users) and then dial a sequel. Step 7: Confirm all the changes that need to be made to the drive on the host machine. Keep in mind that if you continue it will be ERASE DATA ON DISK. As the partition changes are confirmed, the installer will go through the file installation process. Let it install the system automatically, it may take some time... Step 8: After installing the necessary files, the system will ask you if you want to set up a network mirror to get future pieces of software and updates. Don't forget to include this functionality if you want to use the Kali repository. Let him set up the manager's package related files, then... Step 9: Next you will be asked to install a grub loader. Select Yes and select the device to write the necessary loader information on the hard drive that you need to download Kali.Step 10: Once the installer finishes installing the grub on the drive, click on the sequel to finish the installation, it will install some files in the final stage. By this point, Cali will be successfully installed and you'll be ready to start your journey exploring Cali Linux! We have reached the end of the article How to install Cali Linux. If this has dramatically increased your interest and you want to learn more about cybersecurity and ethical hacking, then check out our certification training that comes with with live learning and real project experience. This training will help you understand cybersecurity in depth and help you achieve excellence on the subject. Do we have a question? Please mention this in the comments section of How to install Kali Linux?, and we'll get back to you. Learn cybersecurity the right way from Edureka's POST-GRADUATE PROGRAM with NIT Rourkela and protect the world's largest companies from phishers, hackers and cyber attacks. Attacks.

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