1: How (and Why) to Change Your MAC Address on Windows, Linux, and Mac

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This applies to all types of network cards, including Ethernet cards and WiFi cards. The MAC Address is a six-byte number or digit hexadecimal number that is used to uniquely identify a host on a network. All MAC addresses are hard-coded into a network card and can never be changed. However, you can change or spoof the MAC address in the operating system itself using a few simple tricks. So why would you want to change your MAC address? Well there are many reasons for this, mostly related to bypassing some kind of MAC address filter set on a modem, router or firewall. For example, a WiFi network may allow only authorized computers to connect to the network and filters out computers based on the MAC address. Another example is if you have an ISP that allows only a certain number of computers to connect to the Internet from your home. If you have more computers that need to connect, you can spoof the MAC address of an authorized computer and connect from a different computer. Then you can right-click on the adapter and choose Properties. By default, the Not Present value is selected. Go ahead and click on the Value radio button and enter in a new MAC address. The MAC address is a combination of 6 pairs of numbers and characters, i. You should enter the MAC address without the dashes. Go ahead and restart the computer in order for the changes to take effect. This is the simplest way to change your MAC address in Windows. Firstly, you have to use Terminal similar to command prompt in Windows to actually change the MAC address. Secondly, you need to manually figure out the technical name of the adapter before you can change the settings. You can do this in one of two ways: In Terminal, you can get the MAC address by typing in the following command: Depending on how many interfaces you have on your computer, you might need to run this command several times adding 1 to the number each time. Now you can simply compare the MAC addresses listed here with the one you saw via System Preferences. Just login as an admin and you should be able to run the command just fine. It will ask you for your password, though, before changing the MAC address. You need to first disconnect from any networks and then run the command. Surprisingly, disconnecting from a wireless network in OS X is not intuitive at all. You have to press and hold the Option key and then click on the WiFi icon to see the disconnect option. So here is a rundown of all the commands I ran in order to get the current MAC address, generate a random one, update the MAC address and then verify to make sure it had actually changed. As I mentioned earlier, this is definitely not as straightforward as the process is on Windows, but you should be able to do it if you simply copy and paste the commands above. If you have any questions, feel free to post a comment. April 2, by Aseem Kishore. He began blogging in and quit his job in to blog full-time. He has over 15 years of industry experience in IT and holds several technical certifications.

2: Can I change my computer's MAC address?

A single device can possess multiple network interfaces and MAC addresses. A laptop computer with Ethernet, Wi-Fi, and Bluetooth connections, for example, has two or sometimes three MAC addresses associated with it, one for each physical network device.

How to Join a Mac to a Windows Domain - select the contributor at the end of the page - Test your skills. You come into work one day and your boss calls you into his office and says he got a new laptop. You arrive at his office door and realize your boss bought a Mac. He wants to be able to access all the company files stored on your Windows domain from his new Mac. Or maybe the scenario is a bit different. Your company decides to create a new department for graphical design and marketing and all the designers use Macs. So what do you do? We need to use the IP address of your Windows domain controller for this setting. From your dock open System Preferences or click the Apple in the top left corner and choose System Preferences. Now click Network to open your network settings. Now you should be at your Network settings screen. By default your network adapter is set to DHCP. Depending on the network connection you are going to use you will need to change this setting to Manually. Keep in mind if you are setting a static address on your Mac and you take it to another network you might need to change this setting back to DHCP. I would suggest using the wired or Ethernet connection for your static address and use the wireless for DHCP. In this example I am setting a static address on the Ethernet connection. My Windows domain controller has an IP address of Click the back button to go back to System Preferences and choose Accounts Click the Lock to make changes to these settings. Then make sure Active Directory is checked, highlight it, and then click the Pencil to edit this setting. Here you can enter your domain information and computer ID. For this example the domain is hq. The computer ID is the computer name that will show up in Active Directory once the Mac is joined to the domain. Click the arrow to Show Advanced Options. This gives you 3 extra options you can configure. To keep it simple I usually leave these settings default except for the Administrative section. For this example I used the IP address of my domain controller You can also specify groups that are allowed administration privileges. Now click the Bind button and you will be prompted for credentials. Enter your domain administrator username and password and click OK. You should see it progress through steps as you are authenticated and joined to the domain. Now you should be joined to the domain and the Bind button changes to Unbind. Then close the Directory Utility. Now you should be back at the Accounts window. Note the green dot and domain name next to Network account server. Log off the current user you are logged in with. When you get back to the login screen choose Other. Now enter your Windows domain credentials. That should get you logged into the computer with your domain credentials. How do you access the files on the server? We will need to map drives to the shared folders on the server so you can access the files. From Finder click Go then click Connect to Server. Since Mac uses SMB we need to use this syntax: Note that you will not be prompted for credentials to connect because we are logged in with our domain account. You can also connect to Windows shared folders with the same syntax and a username and password if your Mac is not joined to the domain. Mac on Windows Domain: Is it Worth it? This process is not for the faint of heart and can get tricky depending on your environment. There can be issues with joining Macs to a. With these things in mind, there are definitely some things to consider before joining your Mac to a Windows domain. Some may wonder what the benefits of joining s Mac to a Windows domain would bring. It mostly helps with accessing files on your Windows server without authenticating every time. It also helps with user account management and alleviates the need to have separate user accounts on the local Mac computer and on the Windows domain. If you have Mac desktop computers and multiple users logging into them and using them daily, joining them to the domain is probably a better solution. What other benefits can you think of for joining a Mac to a Windows domain? What other solutions are there for Windows organizations that use Macs? Get our content first. If this message remains, it may be due to cookies being disabled or to an ad blocker. He has experience in network administration for banks, churches, law firms, and a number of other small businesses. Eric specializes in Windows operating systems maintenance and administration, and has 5 years of experience in the field.

3: macOS - What is macOS - Apple

A media access control address (MAC address), also called physical address, is a unique identifier assigned to network interfaces for communications on the physical network segment. MAC addresses are used as a network address for most IEEE network technologies, including Ethernet and WiFi.

It is arguably easier than installing Windows on our PC. The company only wants to see macOS running on the Mac hardware because this is what they are selling. Hence, we will have to run through a couple of hoops to get the VM up and running. Nothing too complicated, though. Hardware requirements for a Mac OS X virtual machine It goes without saying that running any kind virtual machine demands a relatively powerful PC for a smooth experience. After all, the hardware needs to run two operating systems simultaneously. With a powerful enough system, we can even run virtual machines one inside the other, like Russian nesting dolls. Nested Virtualization - How Deep can we Go? The speed of RAM is not of much consequence; we are just looking for lots of it. A multi-core CPU is also important. We should have a processor with at least four cores, 3rd gen Core i5 or equivalent. The quickest way is to run the freeware Securable app. The Mac OS X virtual machine will probably not start at all, with an error message. That is because VMware has deprecated the 32bit edition of the player since a few versions back. In conclusion, we need at minimum: However, it was not a massive upgrade from the previous version. On the contrary, mac OS High Sierra is more like a simple update, with some added features. The company focused on video streaming, a smoother gaming experience, and data management. Furthermore, with High Sierra We can find the Intel version here , courtesy of the excellent fellows at Techsviewer. Because of the size of the file, which is 5. We can easily bypass this restriction by signing into our Google Drive account. Or you can just create a new one. Having signed into our account, we right-click the file and select "Make a copy. We just download anyway. Since it is a large file, this can take a while, depending on our internet connection speed. Decompress the image Now that we have it on our computer, we notice that it is a. So, we will need a third-party app. For this guide, we used 7-zip. This will produce a folder with all the necessary files. Both apps have free versions for personal use, and both are equally capable of handling the Mac OS X virtual machine. Which one you select is a matter of personal preference. We will present the procedure for both. There is also a later VMware Workstation Player version However, as of this writing, an essential patch to allow VMware to support the Mac OS X virtual machine is not available for v. Thus, we have to stick to 12 for the time being. There is no version 13, probably VMware considered it bad luck, or was afraid its customers would do so. The first time we run the VMware Workstation Player, it will ask us whether we have a bought license key for professional use. To use the program for free, we just enter an email address. We need to patch the player to unlock this capability manually. For that end, we will use the unlocker that the splendid fellows at InsanelyMac have created. Versions of VMware player later than 12 will probably require a newer unlocker. You need to sign up to the InsanelyMac forum to download it. After downloading the "unlocker If you did it correctly, you will have an unlocker or whichever newer version folder in your C: This is vital for the correct application of the patch. A few readers in the comments section had a problem running the unlocker from their D: Next, we need to make sure VMware Workstation Player is not running. Finally, we right-click on the "win-install" Windows command script inside the unlocker folder, and select "Run as administrator. Pay close attention to these commands, which will only be onscreen for a couple of seconds. If you see any "File not found" and "the system cannot find the file specified" messages, it means that the patcher has failed. On the first screen, we select "I will install the operating system later. As of this writing and with the current 2. We choose a name for the virtual machine, and optionally change the location, in case our C: We will need to change the contents of a file there later on. Finally, we leave the maximum disk size as is, and select "Store virtual disk as a single file. If everything is in order, we click on "Finish. This will help the Mac OS X virtual machine to run a lot smoother. We must leave the default 2GB. If we have a four-core i5, we must also leave the processors at "2". With an i7, we can increase them to "4". On the third page of the wizard, we choose "Use an existing virtual disk. On the "Select an Existing Disk" window, we click on "Browse. Because once we connect the disk to the

virtual machine, if we move it we will have to go again through this whole process of removing and adding a drive. Feel free to move it anywhere on the disk, even on a secondary drive. After we move it to the desired location, we go back to VMware and choose the. Finally, we press "Finish. There is only one final step before we start our Mac OS X virtual machine. This is where we are going to need it. Inside we will find a VMware virtual machine configuration. We right-click the file and select "Open with We click on "More apps" At the bottom of the file, we paste the following line: We will get a couple of messages from the application, as we would on any first-run virtual machine. Had everything gone well, we will soon see the familiar logo. It might seem stuck near the end, but just give it a couple of minutes, and soon the set-up screen for macOS High Sierra will emerge.

4: macOS - Official Apple Support

On the Ethernet tab, you'd enter a new MAC address in the "Cloned MAC address" field, and then save your changes. You can also do this the old-fashioned way. This involves taking the network interface down, running a command to change its MAC address, and then bringing it back up.

This post was updated on August 12, , with information on how to remove Windows from a dual-boot Mac. To install Windows 10 on a Mac, you will need the following: And, if you later on change your mind, the guide also includes the information on how you can remove Windows afterwords. If yours already has Windows 7 or Windows 8 on your Mac, you can upgrade it to Windows 10 the normal way. Getting the Windows 10 file on your Mac Step 1: There are bit and bit versions, depending on which Windows system you intend to use the tool on. Only the version compatible with your system will actually run. Pick the option to create an installation media. Open the downloaded media creation tool, choose Create installation media for another PC then click Next. Make sure you pick the bit architecture. If you select the bit or both option, you may run into problems later on. As for what edition of Windows to get, check out this chart to find out if Pro or Home fits you best. Keep in mind that you will need to buy a license later when you need to activate Windows and the Pro edition is more expensive than the Home edition. The N edition of Windows 10 is for certain European markets. Choose to save Windows 10 installer as an ISO. Save Windows 10 ISO file. Dong Ngo Step 5: Choose a location to save the Windows ISO file. For this guide, I chose to save that file on the flash drive, but you can save it anywhere on the computer and then copy it onto the flash drive later. Depending on your Internet connection, this will take between a few minutes and several hours. Once the file has been saved on the flash drive, remove it from your Windows computer and insert it into your Mac. You will not need the Windows computer again for the rest of the process. Make sure you have that ready. Insert and then open the flash drive. Leave the flash drive connected to the Mac for the rest of job. Make sure there are no other flash drives or external hard drives connected to the Mac. Run Boot Camp Assistant, then click on Continue. You can also quickly search for it using Spotlight. Make sure all tasks are checked. Make sure all three tasks Create a Windows 7 or later version install disk, Download the latest Windows support software from Apple and Install windows 7 or later version are checked. Prepare to make Windows 10 install disk. Verify everything then click on Continue. Boot Camp Assistant will then confirm the erasing of the flash drive before turning it into a Windows 10 install disk make sure you have no important information on the flash drive. After that it will also download the latest Windows support software onto the flash drive. Make sure you choose the right partition size for Windows Use the slider to select the size. Note that this is the only time you can pick the partition size for Windows so make sure you make up your mind before continue. Once done, without removing the flash drive, click on Install. The partitioning will takes place and then the Mac will restart. This is the end of part 2. Make sure the flash drive remained plugged in for the entire part 3. The Mac will automatically boot up from the flash drive and start the Windows Setup process. Do this, then click on Next. Enter the Windows 10 product key or skip it. Enter the Windows 10 product key if you have it, then click on Next, or click on Skip. The installation process will then ask you to confirm the Windows edition you want to install, and ask you to agree to the terms and conditions. Reformatting the partition for Winodws This is the partition you want to install Windows 10 on. Select it then click on Format. Do not do anything about the rest of the partitions. Confirming the formatting of the BootCamp partition. Windows Setup will then ask you to confirm, click on OK and then click on Next. Windows Setup doing its thing. Windows Setup will continue the rest of the setup process by itself. This should take about about 10 to 30 minutes, depending on the speed of your Mac. After that, the Mac will start up with Windows You will be asked to go through with the normal steps of setting up a new Windows computer, including creating an user account. Installing Boot Camp software is the last step that makes Windows 10 run well on your Mac. As you log in for the first time, you will be greeted with this Boot Camp installation message. Once Boot Camp is done installing, you can remove the flash drive from the computer. Enlarge Image Windows 10 brings new excitement to Mac computers. To manually select which operating system to run, during the startup, hold down the Option key

after the Apple startup sound and then use the left and right keys to select which one you want to boot into, then press Enter. Here are the steps. Pick the third option that reads Remove Windows 7 or later version then click on Continue. Removing Windows means the entire Boot Camp partition will be earased. After a short process, Windows will be removed like it had never been installed. Note that removing Windows also means that all data, including software and files, stored on the Windows partition will be permanently erased. Microsoft Windows 10 Home.

5: How to Change a Computer's Mac Address in Windows (with Pictures)

Likewise, we can cast our eyes back at the Mac Pros that have come before: the long-running "cheesegrater" tower that Apple sold from to and the second-generation "trash can.

What exactly is that MAC address for? I understand that IP addresses are hierarchical, so that routers throughout the internet know which direction to forward a packet. With MAC addresses, there is no hierarchy, and thus packet forwarding would not be possible. So, MAC addresses are not used for packet transfer. So my question is, where exactly does a MAC address come into play during a packet transfer? What is the specific function of the MAC address? What are MAC addresses used for? MAC addresses are the low level basics that make your ethernet based network work. Network cards each have a unique MAC address. If the addresses match, the packet is processed, otherwise it is discarded. There are special MAC addresses, one for example is ff: IP is a protocol that is used on a layer above ethernet. Another protocol for example would be IPX. When your computer wants to send a packet to some IP address x. Up to now things seem to have gotten worse, because now we have two IP addresses: There is a special protocol ARP address resolution protocol that is used for that. Once the sender has retrieved the MAC address of the next hop, he writes that target MAC address into the packet and sends the packet. How does ARP work? Of course the result will be cached, so the device does not need to resolve the MAC address every time. Routing I almost forgot to mention: If you have two networks with a router in between you cannot have a device in network A send a packet to the MAC address of a device in network B. No device in network A has the MAC address of the device in network B, so a packet to this MAC address will be discarded by all devices in the network A also by the router. Routing is done on IP level. He will then check if he can directly reach the target IP address. If so, he sends the packet to the target. Otherwise the router itself also has an upstream router configured and will send the packet to that router. Of course you can have multiple routers configured. Your home router will only have one upstream router configured, but in the internet backbone the big routers have big routing tables so they know the best ways for all packets. Other use cases for MAC addresses Network switches store a list of MAC addresses seen at every port and only forward packets to the ports that need to see the packet. Wireless access points often use MAC addresses for access control. They only allow access for known devices MAC address is unique and identifies devices with the correct passphrase. Have something to add to the explanation? Sound off in the the comments. Want to read more answers from other tech-savvy Stack Exchange users? Check out the full discussion thread here.

6: Milwaukee-Area Comfort Food Restaurant and Catering - Grate Mac and Cheese

Category Music; Song We (feat. CeeLo Green) Artist Mac Miller; Album We (feat. CeeLo Green) Licensed to YouTube by WMG (on behalf of Warner Bros. Label); ASCAP, ARESA, EMI Music Publishing, BMG.

With Gallery View, you can quickly locate a file by how it looks. Dark Mode adds a dramatic new look to your desktop and apps that puts the focus on your content. Dynamic Desktop makes your Mac even more beautiful with two time-shifting desktop pictures that match the time of day wherever you are. And Stacks keeps your desktop free of clutter by automatically organizing your files, images, documents, PDFs, and more into tidy groups. Spotlight helps you quickly and effortlessly find what you want, like documents on your Mac, movie showtimes, and flight departure and arrival times. Just type a few keystrokes in the Spotlight search field and autocomplete immediately shows you relevant results. Siri helps you get things done just by using your voice. It also helps you get more things done at the same time. Looking for the presentation you worked on last week? Your Mac works with your other Apple devices in ways no other computer can. If you get a call on your iPhone, you can take it on your Mac. With Continuity Camera, you can use your iPhone to take a picture or scan a document nearby, and it will appear right on your Mac. When you copy text or an image from one device, you can paste it into another with standard copy and paste commands. Learn more about your devices working together Privacy and Security We believe your data belongs to you. Everything you do with your Mac is protected by strong privacy and security features. You trust our products with your most personal information, and we believe very strongly that you should be in complete control of it. We respect your privacy by enacting strict policies that govern how all data is handled. Learn more about how privacy is built into our products Security. Gatekeeper makes it safer to download and install apps from the web. The Apple File System further safeguards your data with built-in support for encryption, crash-safe protections, and simplified data backup on the go. And, of course, you can run Microsoft Office natively on a Mac. If you want, you can even run Windows on your Mac. With every Mac, you get a collection of powerful apps. They all work with iCloud, so your schedule, contacts, and notes are always up to date everywhere. Get all the news that matters from sources you trust, all in one place. Instantly capture personal reminders, class lectures, even interviews or song ideas with Voice Memos. And control all your HomeKit-enabled accessories from the comfort of your desktop with the Home app.

7: Can I install OS X on my PC? Read this first.

Laptops Leer en espaÃ±ol How to install Windows 10 on a Mac. Why yes, you can install Windows 10 on your Mac. The process can be a little technical, but we'll have your back the whole way through.

Motherboards made before are a lot trickier to work with, and may not be worth the effort. Before you start installing OS X on your own PC, however, be sure to search Google for specific Hackintoshing instructions on your particular motherboard. Although Clover offers good "general" support for motherboards, individual motherboards will often have their own specific problems with OS X, so extra research is always a good idea. You might also find Hackintoshing guides on motherboards from other brands, but they are far less common than guides for Gigabyte and ASUS boards. Besides the motherboard, this is probably the most important part of your build. In those cases, you will have to buy a separate graphics card for your computer. Mac OS X will always recognize double-card setups as two separate graphics card. For example, a Gigabyte Radeon graphics card might work differently from a Sapphire Radeon graphics card. Before buying a specific card, always check Google first; for example, if you want to check the compatibility of a Sapphire Radeon HD , search "Sapphire hackintosh" on Google. They include built-in graphics cards that work with Lion, Mountain Lion, and Mavericks but not Snow Leopard , and come in two versions: HD and HD Unfortunately, only HD graphics are officially supported. They also include built-in integrated graphics cards, which come in two versions: Haswell processors include built-in graphics cards, which come in two versions: There are also several specialty Haswell processors that use HD and HD , which are essentially the same as the HD , in terms of compatibility. These two integrated graphics cards are generally only included in prebuilt computers or laptops. They also work in Mavericks and version Unlike with previous generational upgrades, Broadwell processors are largely similar to their Haswell predecessors, except they have improved built-in graphics cards. As a result, they are mainly used for laptops. The built-in graphics cards on Broadwell processors generally work with OS X. Using a wired internet connection with a Ethernet cord is preferred. While many Bluetooth adapters technically work with Mac OS X, a large majority will break sleep mode. If you want to use a wireless mouse that needs Bluetooth such as the Apple Magic Mouse , but you also want to use sleep mode, check out our list of recommended Bluetooth adapters. Most hard drives should work fine, though there are occasional exceptions. Hard drives with byte sectors instead of normal byte sectors have problems booting Mac OS X, and need a rather complicated Terminal fix. This issue is most common in Western Digital Caviar Green hard drives. Seagate hard drives are generally problem-free in this regard. Some optical drives may prevent Mac OS X from sleeping. Note that most webcams will not need drivers to run on OS X. The same goes for any other peripherals, such as mice and keyboards: To check the compatibility of specific peripherals, be sure to check with Google. If you want to attempt an install of Mac OS X on a pre-built computer, you need to do your research beforehand. The main problem with pre-built computers is that they have really weird motherboards. When building PCs, manufacturers tend to use their own proprietary motherboards that nobody has ever heard of, so nobody has ever had to chance to make them compatible with Mac OS X. You will have to search Google for specific Hackintoshing instructions for your particular model of computer. You will generally have the best luck with gaming PCs from small "boutique" manufacturers like iBuyPower or CyberPowerPC , since they tend to use publicly available motherboards. Laptops When it comes to Mac OS X compatibility, laptops are even worse than pre-built desktop computers. The same rules for pre-built desktops apply to laptops: And good luck Hackintoshing.

8: What Exactly Is a MAC Address Used For?

macOS Mojave can automatically organize your files into neat stacks on the desktop, so it's easy to keep your desktop tidyâ€"and find exactly what you're looking for. Get to know Stacks Dynamic Desktop.

9: How to install Windows 10 on a Mac - CNET

CAN WE ON MAC pdf

There is something called the OSX86 Project, which can show very technical people how to install a jiggered copy of the Mac OS on certain types of non-Mac hardware, but it's not stable, not technically legal, and not tons of useful. It's an experiment, really, and hobbyist's errand.

CAN WE ON MAC pdf

Admission to American trade unions Jelly Beans and Gummy Things The Rough Guide to New Zealand 5 Numark mixtrack 2 manual Persecution and Immutable Identities: Homosexual Refugees Paula White, the blond parson woman who preaches black Competing Economic Theories New Directions in the Analysis of Multimodal Discourse Progress and problems in information retrieval Handbook ocular disease management Mba in a book Political Islam and radical Islam : the cases of Pakistan and Bangladesh Stephen F. Burgess Colorless tsukuru tazaki and his years of pilgrimage Politics in Bangladesh Mr. Bumba Draws a Kitten (Bumba and Moon Easy Reader) Teaching children with Down syndrome about their bodies, boundaries, and sexuality Black power in Bermuda Project on marketing management for class 12 on jeans Cbse class 12 maths question paper 2014 The last of the Lightnings Endless Possibilities Physiotherapy in occupational health The expeditionary man Jackson and Lee strike back The Big Five Personality Factors V.4. 1891-1894: Second, third, and fourth years at Vailima The end. Construction project management lecture notes Greenville Piedmont An interpretation of the self from the dynamical systems perspective: a constructivist approach Jun Tani I go potty Emily Bolam, illustrator. Genitourinary surgery The mystic warrior Barclay Livingston, and others Duties on goods destroyed by fire in New York. Borderland Russians, Nordic neighbours. May it be violin sheet music The Trabue Woods Book of Values Working the Program Redevelopment and race Chemometrics and species identification Darkness Rising 5