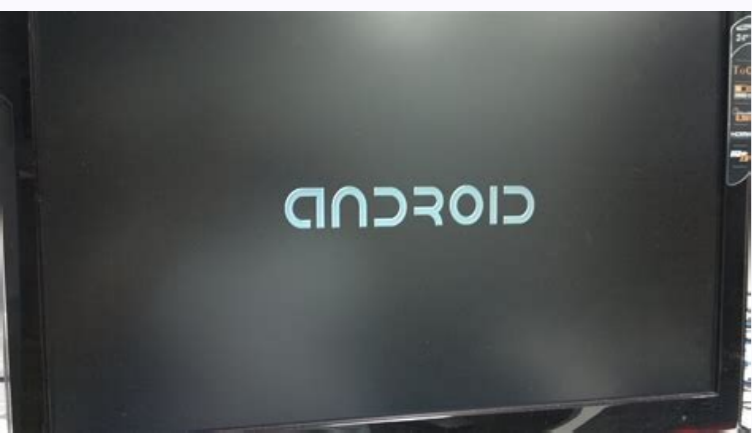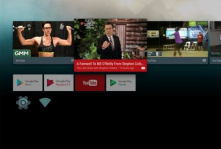# Raspberry pi 2 android os

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Back to your Raspberry Pi. In the terminal window, type ssvnc. This will open up a little window. In the first text box that you see, type in the IP address and port of the vnc server running on your android phone. The IP and port is shown under the huge switch on your android phone in the VNC server app. Under the text boxes, you will see 4 options: Use SSL, Use SSH, SSH+SSL, and None. By default, the Use SSL option is selected. You do not want that option. Select the None option, and then click the connect button. Your Android screen will appear in a new window. If you are watching this tutorial, then you must know about Raspberry Pi and its use. So without making more delay let's start this Instructable. But before that, I want to clarify something:1. I have used Raspbian OS in this case.2. It is one of the many ways by which you can get the same result. So if you don't feel comfortable you can use other methods also. Please let me know the process in which you are comfortable in.3. The software I have used is available in Ubuntu Software Center and found these very helpful and easy to use. Feel free to tell me what are the other software that can be used.4. The whole process will take about 2-3 minutes, though it mainly depends on your internet connection speed.5. I have posted a separate Instructables on How to use Android Device as a monitor for Raspberry Pi. You can check it out: . We have a separate video demonstrating the whole process. Here's the link:You can skip this step if you have installed the OS already in the Pi. If yes then go to step 2 or else look the complete OS installing instructions in this link that I uploaded. this process, you will need only 2 software.1. Putty SSH Client2. Remmina Remote Desktop Client (This comes pre-installed in Linux OS. If you don't have it, just download it from software center)Download both software and proceed.Connect USB power adapter to your Pi (5V-2A recommended).Connect the Ethernet port of Pi to the LAN port of your router.Open your browser. Go to your router IP (for me, it was 192.168.0.1. You can find it on the router sticker.) Login to your router settingsSearch for LAN ports. Find Raspberry Pi in the list and note the IP address (for me, it was 198.162.0.103.)Open Putty. Type in the IP address of your Pi. Keep all other things as it is. Click on connect. If some security issue pops up then click on YES. It is not harmful. Log in to your Pi by giving the following details: Username - pi (default) Password - raspberry (default)Type in the code - sudo apt-get install tightvncserverWait for the installation to complete. Again type in tightvncserver.Enter a password and verify. Remember it. You will need it later on. Note the desktop number. (For me it was 1).This is the final step, so follow accordingly:Open up Remmina Remote Desktop Client.Create a new remote desktop connection.Change the protocol to VNC - Virtual Network Computing.Put the IP address and the desktop number with a colon in between them in the Server section. (Ex - 192.168.0.106:1)Click on connect.Give the password that you gave in the previous step and click on OK.DONE!! Now you can control your Raspberry Pi from your laptop running on Linux.So that's it. I have tried to write in brief so that you can understand the whole thing. In spite of that, if you face any error or any difficulty in completing the process feel free to ask me in the comment section. Also, don't forget to take a look at our Youtube channel 'Being Engineers': ... Want to run Android, but don't want to buy a smartphone, tablet or Android TV device? Then this may be the answer to your prayers: Google has teamed up with Huawei to deliver the HiKey 960, a Raspberry Pi style computer board that runs Android.Developed with teams at Google, ARM, Huawei, Archermind, and LeMaker, it was made primarily so that Android developers could code on a device using an ARM based chip like so many of the devices that run Android apps, rather than on Intel x86 chips.But while it's based primarily at developers, there's nothing stopping anyone running it as a straight Android computer.Top specsIt's a powerful board too, in line with the top-end performance of Android's big smartphone hitters.The HiKey 960 has a Huawei Kirin 960 octa-core chip, which makes use of four high-performance ARM Cortex-A73 and four efficient Cortex-A53 cores. That's the same as you'd find in the Huawei Mate 9. 32GB of storage is onboard along with 3GB of RAM. Frustratingly however, though the board's Mali G71 GPU can deliver 4K visuals, the board's HDMI 1.2a slot will limit it to 1080p output.Elsewhere, the board offers 802.11 b/g/n/ac Wi-Fi and Bluetooth 4.1, with PCIe m.2 slots for expanding storage and connectivity options, and 40-pin and 60-pin connectors for monitors and cameras.Getting Android 7.1 working on the board won't be as simple as "plug-in-and-play" however – you'll need to work on your command line know-how and follow instructions laid out by Google (opens in new tab). But as a learning project it should be fascinating. Launching in May, it's priced at $239, which converts roughly to £185 or AU$320.10 best computers of 2017: the best PCs ranked Hello everybody.The purpose of this instructable is to help you create a Mumble server to Kano OS. "Mumble is an open source, low-latency, high quality voice chat software primarily intended for use while gaming and beyond". With this server you could stay in touch and communicate inside your local network with your kids through Kano OS & Raspberry PI. It is a great way to play with your kids. Lets startKano OS is actually a Raspbian image but with an interface suitable for kids. There are 2 ways that you can get it.1.The first one is to buy a full package . This package includes a Raspberry Pi 2b, books, diy speaker, keyboard, an sdcard preloaded with Kano OS, case, stickers, cables and a wifi dongle. According to Kano website"Kano is a computer anyone can make. Our mission is to give young people – and the young at heart – a simple, fun way to make and play with technology, and take control of the world around them." Buy a Kano kit2. The second one is to download free the OS from their website, write it to a sdcard and use it with your Raspberry Pi. That's what i done. Download Kano OS for Raspberry PiOk this is the easy part. You can update your OS with 3 ways:1.Through the terminal. At your left side of your screen there is a big K. Hit it, then go to Code and hit the Terminal. Then as all the Raspbian images type sudo apt-get update and then sudo apt get upgrade. The superuser pass if you haven't change it is kano. Install all the necessary updates.2.Through the Updater. Again go to the left of your screen and hit the K. Go to Others and hit Updater. If your system is up to date nothing will happen. If it isn't, a window will open which will notify your with the updates. Install them.3.Through the Updater from the task bar. This is the same with the Updater but from the task bar button. (the one between the Internet status button and the Kano setting button).Ok now our Kano OS is up to date.Ok we have our system up to date & we must first install Mumble server and then Mumble client.Install Mumble server:Open a terminal and type the command: sudo apt-get install mumble-server, accept with a yes or enter and the installation will start. After the installation we have to configure the server. At the same terminal type the command: sudo dpkg-reconfigure mumble-server. Set the server as below:Autostart mumble-server on server boot? - YES Allow mumble-server to use higher priority? - YES Set the password for the SuperUser account of your serverClick ok and you will see a couple of lines to your terminal. Now the server is up and running.Install Mumble client:Open a terminal and type the command: sudo apt-get install mumble. Thats it after a while the installation will finish and you will have both Mumble server & client installed. Lets continue configuring the client.Ok in this step you have to connect a usb microphone to your Raspberry Pi in order to be able to speak with your kids through the server. If you don't have a usb microphone, maybe a web camera with a microphone can do the job or you can use Mumble only for chat.Open the Apps and choose Mumble. A wizard will start and you have to answer about the audio and microphone settings. Which devices you should use, the level of the audio and microphone, if you want to submit statistics to Mumble project etc. Answer according to your settings.Then you will be asked about Certificate Authentication & you have 3 options:Automatic certificate creation - Choose that oneCreate a new certificationImport a certificateThat's it. You are finished and you can connect now to the server. Because you are running the wizard to Raspberry Pi where the server is, the client will automatically find the server. Click on it, click ok, enter a username and click Yes to accept the server certificate.Go now to another pc to your local system and install Mumble client, run the wizard and set the local server from Server --> Connect --> Add New... --> and give a name, ip address and a user name.This is a funny a great way to interact and play with your kids and Raspberry PI. Have fun and check also my other instructables about Kano OS:Install Syncthing at Kano OsInstall arduino ide 1.6.5 at Kano OS You've seen it on the news, your friend has one, and you're sure it's not food. You've been told, "It's a $35 computer that fits in your pocket," but you're not quite ready to believe that. So, what is a Raspberry Pi? As improbable as it may seem, the Pi is an inexpensive mini-computer, but there's more to the story. We'll explain what this little green board is, why you might want one, and how it attracted such a huge following. Let's start with a picture of the most recent version, the Raspberry Pi 4. When people tell you the Raspberry Pi is a $35 computer, they usually forget to tell that you only get the board for that headline cost. No screen, no drives, no peripherals, and no casing. That strapline is impressive, but it can cause confusion. The Raspberry Pi is a micro-computer initially designed for education. It has all the components you would see on a normal desktop PC—a processor, RAM, HDMI port, audio output, and USB ports for adding peripherals like a keyboard and mouse. Alongside these recognizable components is one of the key parts of the Pi—the GPIO (General Purpose Input Output) header. This is a block of pins that let you connect your Raspberry Pi to the real world, connecting things like switches, LEDs, and sensors (and more), which you control with some simple code. It also runs a full desktop operating system based on Debian Linux, called Raspbian. If that doesn't mean much to you, consider that Windows, Linux, and Apple OS X are all operating systems. The comparison to a normal desktop PC pretty much ends there. The Raspberry Pi is a low-power (5V) micro-computer. It's powered by a micro-USB power supply similar to a smartphone charger and offers computing power akin to a mobile device. Pasieka / Getty Images This low power setup has always been perfect for programming and electronic projects. Still, it could feel a little sluggish as a day-to-day PC. However, the latest Raspberry Pi 4 offers greater performance than ever before on a Raspberry Pi, and it's being marketed as a potential desktop replacement. That may not be true of all versions of the Pi. You may want at least 4 GB of RAM to take advantage of it as a desktop PC. That said, we aren't talking about a full desktop workstation. The Pi is roughly equivalent to a mid-range Chromebook. So, if you can get by with a Chromebook as your main PC, you may be able to use a Pi as your primary desktop. The Pi wasn't designed to be an office PC, and it doesn't run Windows. It doesn't come in a case, and you probably won't see it replacing PCs in an office anytime soon. The Pi is geared toward programming, electronics, and DIY projects. It was initially created to tackle the decreasing number of students with skills and interest in computer science. Imgorthand / Getty Images However, as its popularity and visibility increased, people of all ages and backgrounds have formed a huge community of enthusiasts that are eager to learn. If you want to use your Pi to improve your coding skills, you can use one of the supported programming languages (such as Python) to create programs. That could be anything from simply printing "Hello world" on screen, up to more complex projects, like making games. If you are interested in hardware and electronics, you can enhance this programming by using the GPIO to add switches, sensors, and real-world physical inputs to talk to this code. You can also add physical outputs like LEDs, speakers, and motors to do things when your code tells them to. Put these together, and you can make something like a robot in no time. Moving away from programming, there are a large number of users that buy a Pi as an alternative to other devices. Using a Pi as a KODI media center is a popular project, for example, taking the place of more expensive off-the-shelf alternatives. You probably think you need some prior programming or electronics experience to get along with this little green board. That's an unfortunate view that we imagine has put off thousands of potential users. People Images / Getty Images You don't need much history with computers to use a Raspberry Pi. If you use a PC or laptop, you'll be fine. Yes, you will have some things to learn, but that's the whole point. The masses of resources and community support are almost a guarantee that you won't get stuck. If you can use Google, you can use a Raspberry Pi. The Raspberry Pi's popularity and ongoing success are due to its accessible price and incredible community. At $35, it has attracted a range of users from school children to professional programmers. Still, the price isn't the only factor here. Other similar products that have tried to cash in on this market haven't come close, and that's because the community around the Raspberry Pi is what makes it special. If you get stuck, need advice, or are looking for inspiration, the internet is bustling with fellow users offering help in forums, blogs, social networks, and more. There are also opportunities to meet in person at Raspberry Jams, where like-minded enthusiasts come together to share projects, troubleshoot, and socialize. Here are some of the main stores to buy one: UK With the board being developed in the UK, there are a lot of Pi shops in the UK. Key Pi superstores like The Pi Hut, Pimoroni, ModMyPi, PiSupply, and RS Electronics will have them in stock and ready to post. USA In America, electrical superstores, like Micro Center, will have a good stock of the Pi, as will Newark Element14 and maker stores like Adafruit. Rest of the world Other countries have Pi shops here and there, but popularity isn't as strong as the UK and the USA. A quick look on your country's search engine should bring up local results.

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