# 2.2.1t: transcript

Welcome back, so I left you with a little bit of challenge in the last video about downloading and installing ubuntu server, so for those of you did it absolutely great.

Well then for those who didn't don't worry about it remember all this is new so I'm going to take you through the Ubuntu server install now, even if you did manage to do it watch this video anyway because what we're going to do is we're going to upgrade it. If you like to give it a desktop as well, when we install ubuntu server initially it comes back with what's called a command line configuration. We can only access it through the command line, typing commands, so there is a way of actually adding a desktop to it and we'll be showing you how to do that towards the end.

I've already gone to Ubuntu.com/download/server download then onto server so again very similar to the last downloads we did with Ubuntu- we've got Ubuntu server eighteen point zero four point three and Ubuntu server nineteen point one zero. Again I've gone for the eighteen version download there, I'm not going to download it because I've already done that but click the download and you appreciate how long it takes, it is slightly smaller than the desktop so it should be a little bit quicker.

I've already downloaded, I've actually already gotten a bunch of servers built and I've already got it installed. The beauty of using something like VirtualBox is I can create a new one any time I like.

so again we'll go to machine to a new, okay this time I'm going to call it something slightly different I'm just going to call it Ubuntu server 2 and again because I start typing the word Ubuntu - it actually knows I'm after the Linux  installation again. From a memory size point of view I'll up it slightly, now it's worth remembering the more memory size I use the more I have of these virtual machines running the more memory is going to be consumed on my hosts, so I'm only going to fire these up one at a time because I'm using them as an example, if you're considering running say the Ubuntu desktop as we did and you're Ubuntu server simultaneously watch the amount of memory size you're using. Obviously that's going to depend on your guest host.

So, if we do create that there, okay again same here on the disk side we did with the desktop 20 Gig, leave everything else the same, hit create.

Brilliant there's my Ubuntu - server - currently powered off and again as we did before into the network, network adapter we want it bridged because we want to use the one on our host machine we're going to bridge to it, and again under storage we now need to actually get our CD and decide which one we're going to use.

So again, I've already used my server so it pops up there if not choose a disk, file and you'll just browse to it, so server you can see this size is 848 Meg, much smaller than the actual desktop image. The reason being is that it doesn't have any of the graphical components we will add those, so the actual file eventually on your hard drive will grow so we hit OK to that.

All ready to go if I now hit start it will should boot off the CD so it's just powering up again my machines a little slow because I am recording this, message just popped onto my second screen, so it just wants to know am I okay to start this.

I'll hit start drag it over now usual messages popping up and we can see it's starting to run, so I'm going to pause here because this can take some time to run you'll see an awful lot of text scrolling down the screen don't worry about any errors this all works absolutely fine all the way through, I'm going to pause this we'll come back to it once I get to the next stage okay.

Okay so we're back to our installation, so here you've got a choice of preferred language obviously mine's going to be English entirely up to you which one to use,  press the, and we can actually see it says English US, only don't want English US, I want English UK. So if I enter and up English UK, automatically changes the variant go down to done.

I'm just using the arrow keys and just the enter key to move up and down you can see here it's now identifying DHCP for me so it's got an IP address so again I hit enter, so proxy address I'm not interested in a proxy address this is literally just a simple set up, if you're doing this in a production environment you need to decide whether or not you would need one mirror address.

I'll leave that as is, that's just supplied by Ubuntu so use the entire disk this is our 20 gig partition we set up so I've hit enter, you can see there it knows it as V box hard disk so VirtualBox hard disk and you can see over there it says 20. Available devices, again it's just identifying our entire system so we'll hit done.

Confirm destruction action, so basically, you're erasing an entire disk, if we were doing this on a real machine it would destroy our entire contents of our hard drive and rebuild it as Ubuntu.

Since we're using virtual it makes no difference to us because we've set this to one side we'll just hit continue.

So, your name, I'm just going to use some really simple, names again in the production environment you would actually choose things relevant to you and obviously your passwords would match your company's password policies so hit done to that.

I'm not bothered about OpenSSH, again if you're in a production environment worth thinking about, hit done. These are options, I'm not going to start on the options for the same reason, so just using the arrow keys scroll all the way through down to done and it starts install.

Now this will take some time, so again I'm going to pause it and I'll come back once actually all of this is ready to go further on.

Okay the majority of my files have now been installed in copied over, the one thing it is now doing is an update and then I'll get ready to reboot.

You can at this point do a cancel and stop the update and reboot it anyway, I'm going to leave mine run so I'm just going to pause the video so I've got a complete installation, entirely up to you I would recommend that you let the updates finish.

Okay my installation has now updated there's the reboot so literally reboot my system. It'll start by going through all of  this again it says remove the insulation medium obviously this thinks it's a real machine we don't actually have any installation medium so we just press Enter, again just ask me about the mouse pointer integration I can close that out the way.

So, you see this is Ubuntu server booting again what I'll do is I'll just pause this until it's finished and then we'll log in and we'll actually install the desktop.

Okay, one of your things you'll see is there it says computing login, that's my user login, it'll vanish very quickly because it's actually trying to continue to boot, it is actually continuing to boot. So, if I hit enter again, it just comes back with computing login, so log in with the user and password you set up earlier and then we have it were set in and this is actually a Linux system, so it's a command line system that we actually see.

What we now need to do to make our life far easier is actually install a desktop system now how we do this we use a command called sudo, so super user do and we're going to issue the command atp - get install - Ubuntu- genome - desktop

Okay so this is a genome, is a well-known desktop used the Linux systems so we're installing the Ubuntu version of it.

So we'll use sudo superuser do apt-get install Ubuntu -genome - desktop I'll hit enter it wants the password for my user and it will start to download.

Again I'm going to pause the video now because this will take some time to do, as soon as it's actually…  mines been fairly quickly, do you wish to continue for additional space so yes.

This will continue the installation I'll pause the video like I say and we'll come back as soon as that's completed and we'll show you what to do next.

Okay so as you can see my update is now finished and I'm sat back to the command line prompt, so all I do now is type reboot and it goes through the cycle again but now when it comes up hopefully we should have some form of desktop

I'll just pause this while it reboots rather than you watching a text images go up and down.

Okay so as we can see now, I've now got rather than a command line prompt, I've actually got a graphical interface so if I click on computing, ask me for the password hit enter, it will now boot me into a graphical interface rather than the command line interface.

So this is now a Ubuntu server, okay I'll just pause mine while it loads it is slow simply because I am recording this at the same time.

Okay, so as you can see now, I've got a complete graphical interface, it's what's new Ubuntu screen.

I'll just click Next, obviously if you're using this and it's going to be in a production environment obviously you read the legal notices and so on, possibly look at setting up live patch and things like that. Again, because as far as I'm concerned this is demonstration I'm not too bothered, again I'm not bothered about these but whether it sends information back please do read them.

I'll just go through these, ready to go, done and I've got a desktop. Now if you remember back to when we did just the standard Ubuntu desktop it looks very, very similar, also there's a few extra icons. We've got Thunderbird mail that we can now use all there’s bits and pieces.

So that's it, that's it for this week you've set up two virtual machines running on the Virtualbox, we've done a desktop, we've done a server. You can use these as much as you like, experiment, have a play around maybe have a look around, have a look at other operating systems that you can install but enjoy it.

Ok, so thanks very much for watching