Linux Router on Debian 10.05 installation

Date: 2020/09/12 Companion guide for: <u>https://blog.notnot.ninja/2020/08/29/lab-vm/</u>

Use either the Graphical install (this guide) or text based Install



Pick your language

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Language:			
chinese (simplinea)	-	半又(間)を	
Chinese (Traditional)	-	中文(繁體)	
Croatian	-	Hrvatski	
Zech	-	Čeština	
Danish	-	Dansk	
Dutch	-	Nederlands	
Dzongkha	-	Iu ⇒j	
nglish	-	English	
speranto	-	Esperanto	
stonian	-	Eesti	
innish	-	Suomi	
rench	-	Français	
Galician	-	Galego	
Georgian	-	ქართული	
German	-	Deutsch	

Pick your country

debian
Select your location
The selected location will be used to set your time zone and also for example to help select the system locale. Normally this should be the country where you live.
This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed.
Country, territory or area:
Ireland
Israel
New Zealand
Nigeria
Philippines
Seychelles
Singapore
South Africa
United Kingdom
United States
Zambia
Zimbabwe
other
Screenshot Go Back Continue

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Configure the keyboard		
Keymap to use:		
American English		
Albanian		
Arabic		=
Asturian		
Bangladesh		
Belarusian		
Bengali		
Belgian		
Bosnian		
Brazilian		
British English		
Bulgarian (BDS layout)		
Bulgarian (phonetic layout)		
Burmese		
Canadian French		
Canadian Multilingual		
Catalan		v.
Screenshot		Go Back Continue

¢3	() debia	n	
Load installer components from CD		de de	
	Loading ad <mark>ditional com</mark>	ponents	
Retrieving partman-jfs			
It is only required to configure eth0 (Home/Off network device by using DHCP. We will later ch		192.168.1.10	uns
Configure the network			
Your system has multiple network in during the installation. If possible, the Primary network interface: eth0: Ethernet eth1: Ethernet	terfaces. Choose the one	to use as the primary netw rk interface found has beer	vork interface a selected.
Screenshot		Go Bac	k Continue

creenshot Go Back Contin Go Back Contin Cocception Configure the network he domain name is the part of your Internet address to the right of your host name. It is often omething that ends in .com, .net, .edu, or .org. If you are setting up a home network, you can make omething up, but make sure you use the same domain name on all your computers.								
he hostname is a single word that identifies your system to the network. If you don't know what your ostname should be, consult your network administrator. If you are setting up your own home network of ustname: Instrame: Inst	onfigure the ne	twork						
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Set up users and passwords	
You need to set a password for 'root', the system administrative a with root access can have disastrous results, so you should take of not easy to guess. It should not be a word found in dictionaries, o associated with you. A good password will contain a mixture of letters, numbers and pur regular intervals.	care to choose a root password that is r a word that could be easily
The root user should not have an empty password. If you leave thi disabled and the system's initial user account will be given the po command. Note that you will not be able to see the password as you type it. <i>Root password:</i>	wer to become root using the "sudo"
•••••	
Show Password in Clear Please enter the same root password again to verify that you have Re-enter password to verify:	e typed it correctly.
•••••	
Screenshot	Go Back Continue
debian	
Set up users and passwords	
A user account will be created for you to use instead of the root a	ccount for non-administrative activities.
Please enter the real name of this user. This information will be us emails sent by this user as well as any program which displays or name is a reasonable choice. Full name for the new user:	
philipf	
Screenshot	Go Back Continue

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Set up users and passwords							
Select a username for the new start with a lower-case letter, y case letters.							
Username for your account:							
philipf							
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Set up users and passwords							
A good password will contain a regular intervals. Choose a password for the new us		e of letters	s, numbers	and punctu	ation an	d should be cl	hanged at
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Show Password in Clear							
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Re-enter password to verify:		5					
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Show Password in Clear							
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Unfortunately because of the small disk size we cannot use the Guided mode. If manual partition is causing issues for you increase the VMs disk size.

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Partition disks		
The installer can guide you through partitioning a disk (using different stand prefer, you can do it manually. With guided partitioning you will still have a c customise the results. If you choose guided partitioning for an entire disk, you will next be asked w Partitioning method:	hance later to re	view and
Guided - use entire disk Guided - use entire disk and set up LVM Guided - use entire disk and set up encrypted LVM		
Manual		
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artition disks					
		onfigured partitions ar space to create parti			
Guided partitio	oning				
Configure iSCS	l volumes				
SCSI2 (0,0,0) (s	da) - 1.1 GB Msft	Virtual Disk			
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Finish partition	ning and write ch	anges to disk			
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This is an overview of your currently configured partitions and mount poin (file system, mount point, etc.), a free space to create partitions, or a dev		gs
Guided partitioning		
Configure software RAID		
Configure the Logical Volume Manager		
Configure encrypted volumes		
Configure iSCSI volumes		
7 SCSI2 (0,0,0) (sda) - 1.1 GB Msft Virtual Disk		
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Undo changes to partitions		
Finish partitioning and write changes to disk		
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artition disks		
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artition disks						
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artition disks					
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eserved blocks:	5%				
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artition disks					
This is an overview of	your currently config	ured partitions and mo	int points. Select a p	artition to modify i	ts settings
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Guided partition	nina				
Configure softw	-				
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-	ogical Volume Mana nted volumes	901			
Configure encry	•				
Configure iSCSI	volumes				
′ SCSI2 (0,0,0) (sd	a) - 1.1 GB Msft Virt	ual Disk			
> #1 pr	imary 999.3 MB	B f ext4	1		
> pr	ri/log 73.4 MB	FREE SPACE			
Undo changes t	o partitions				
Finish partitioni	ng and write chang	es to disk			
,					
Screenshot	Help			Go Back	Continue

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Partition disks			
How to use this free space:			
Create a new partition			
Automatically partition the free space			
Show Cylinder/Head/Sector information			
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Partition disks			
The maximum size for this partition is 73.4 MB.			
Hint: "max" can be used as a shortcut to specify the max use that percentage of the maximum size.	imum size, or ente	r a percentage (e.ç	g. "20%") to
New partition size: 73.4 MB			

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Partition disks	
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Primary Logical	
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Partition disks	
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Guided partitioning					
Configure software RAID					
Configure the Logical Volume Manager					
Configure encrypted volumes					
Configure iSCSI volumes					
7 SCSI2 (0,0,0) (sda) - 1.1 GB Msft Virtual Dis	k				
> #1 primary 999.3 MB B f		1			
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tall the base system				
	Installing the	base system		
Extracting util-linux				
nfigure the package manager	ै©de	bian		
		-11		
ur installation CD or DVD has b bian GNU/Linux 10.5.0 _Buster_			1	
u now have the option to scan ese should be from the same s /Ds available, this step can just	additional CDs or DV et as the installation	Ds for use by the p	ackage manager (aj	
you wish to scan another CD or an another CD or DVD?	DVD, please insert i	t now.		
No				
Yes				

debian			
Configure the package manager			
The goal is to find a mirror of the Debian archive that is close to yo nearby countries, or even your own, may not be the best choice. Debian archive mirror country:	u on the netwo	ork be awa	re that
Lithuania Luxembourg Macedonia, Republic of Mexico Moldova Netherlands New Caledonia New Zealand Norway Philippines Poland Portugal			
Romania Russian Federation Réunion Screenshot		Go Back	Continue
debian			
Configure the package manager Please select a Debian archive mirror. You should use a mirror in yo know which mirror has the best Internet connection to you. Usually, deb.debian.org is a good choice. Debian archive mirror:	our country or r	egion if you	do not
ftp.nz.debian.org ftp.citylink.co.nz mirror.fsmg.org.nz deb.debian.org			
debian-archive.trafficmanager.net			
Screenshot		Go Back	Continue

\$	Odebian			
Configure the package manager				
If you need to use a HTTP proxy to acc Otherwise, leave this blank.	ess the outside world, ente	er the proxy in	formation here.	
The proxy information should be given HTTP proxy information (blank for none):	in the standard form of "ht	tp://[[user][:p	ass]@]host[:port]	<i>r</i> ".
Screenshot			Go Back	Continue
L3	Odebian			
Configure the package manager	~			
	Configuring apt			
Retrieving file 4 of 5				
				Cancel

	6	debian		
Configuring popular	ity-contest			
	onymously supply the dist; ystem. This information infl).			
	rticipate, the automatic su developers. The collected s			
This choice can be l Participate in the pac	ater modified by running " kage usage survey?	dpkg-reconfigure pop	ularity-contest".	
No				
⊖ Yes				
Screenshot				Continue

The standard system utilities are not required

debian
Software selection
At the moment, only the core of the system is installed. To tune the system to your needs, you can choose to install one or more of the following predefined collections of software. Choose software to install:
Debian desktop environment
GNOME
🗌 Xfce
🗌 KDE Plasma
🗌 Cinnamon
LXQt web server
print server
✓ SSH server
standard system utilities
Screenshot Continue

Odebian		
Install the GRUB boot loader on a hard disk		
It seems that this new installation is the only operating system on this co to install the GRUB boot loader to the master boot record of your first har		uld be safe
Warning: If the installer failed to detect another operating system that is modifying the master boot record will make that operating system tempor can be manually configured later to boot it. Install the GRUB boot loader to the master boot record? No No		
Screenshot	Go Back	Continue
Install the GRUB boot loader on a hard disk		
You need to make the newly installed system bootable, by installing the of device. The usual way to do this is to install GRUB on the master boot reco you prefer, you can install GRUB elsewhere on the drive, or to another driv Device for boot loader installation: Enter device manually /dev/sda (scsi-3600224809830e666c45a4f0cee3f4cfa)	ord of your first har	d drive. If
Screenshot	Go Back	Continue

nish the installation							
Installation co Installation is installation m	mpiete s complete, so it nedia, so that yo	t is time to bo	oot into your	new system	. Make sure to	o remove t	he lation
	icula, so that y		ine new syste		lan restarting	, che motur	utron
reenshot					Go Ba	ck C	ontin
creenshot					Go Ba	ick C	ontini
reenshot					Go Ba	ick Ci	ontini
reenshot	GNU G	RUB versio	n 2.02+dfsg1	-20+deb10u	L	ick C	ontin
	gnu g	RUB versio	n 2.02+dfsg1	20+deb10u	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	L-20+deb10∪	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10∪	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ick C	ontinu
Debian GNU/Linux			n 2.02+dfsg1	L-20+deb10u	L	ick C	ontinu
Debian GNU/Linux			n 2.02+dfsg1	20+deb10.	L	ick Ci	ontinu
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	L-20+deb10u	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ick C	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ıck Cı	ontin
Debian GNU/Linux			n 2.02+dfsg1	20+deb10u	L	ıck Cı	ontin
Debian GNU/Linux			n 2.02+dfsg1	-20+deb10u	L	ick C	ontin
Debian GNU/Linux Advanced options			n 2.02+dfsg1	20+deb10u	L	ick C	ontin

