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## Instalasi Linux Debian pada Virtual Machine (Mode Non GUI)

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Debian adalah sistem operasi bebas yang dikembangkan secara terbuka oleh banyak programer sukarela(pengembang Debian) yang tergabung dalam Proyek Debian. Sistem operasi Debian adalah gabungan dari perangkat lunak yang dikembangkan dengan lisensi GNU, dan utamanya menggunakan kernel Linux, sehingga populer dengan nama Debian GNU/Linux.(Wikipedia). Debian juga dapat kita install pada Virtual Machine bagi kita yang ingin mengoprek Debian tanpa mengganggu sistem operasi komputer asli.



Pada tulisan kali ini saya akan membahas bagaimana cara instalasi salah satu Sistem Operasi dari Linux, yaitu Debian pada Virtual Machine (VMWare). Ada dua cara untuk melakukan instalasi Debian ini cara yang pertama yaitu dengan mode CLI dan GUI (dengan tampilan User Interface). Dan yang kali ini kita coba adalah instalasi dengan mode non GUI. Pada prinsipnya langkah-langkah instalasi Linux Debian pada virtual machine sama dengan ketika menginstallnya di PC asli. Berikut ini langkah-langkahnya:

Pertama siapkan file iso atau bisa juga dari live cd . Jalankan Virtual Machine kita, kali ini saya menggunakan VMWare 7

Pilih File-New, kemudian akan muncul jendela Wizard yang akan memudahkan kita untuk langkah-langkah konfigurasi selanjutnya. Kita pilih Next





Kita pilih lokasi tempat kita menyimpan file \*.iso Debian, atau kalau kita melakukan instalasi melalui live CD, bisa kita pilih menu Installer Disc. Pilih next untuk melanjutkan ke langkah berikutnya

organize 🔻 🛛 New folde	r		H • 🚺 🔞	rating system?
🗘 Dropbox	Name	Date modified	Туре	
	🎩 win 7	14/12/2012 9:04	File folder	
🗃 Libraries	Windows 7 Ultimate Activator v2 (Aug.01	01/10/2012 13:01	File folder	
Documents	📜 debian-500-i386-DVD-1	20/07/2011 19:44	WinRAR archive	· · · · · ·
J Music	MikroTik 2.9.27 full	15/12/2009 14:14	WinRAR archive	
E Pictures	📜 mikrotik	08/01/2008 0:55	WinRAR archive	
🛃 Videos	📜 mikrotik-5.10	09/01/2004 2:51	WinRAR archive	
-	📜 mikrotik-5.12	14/02/2012 0:04	WinRAR archive	▼ Browse
🍣 Homegroup 🦷	🔚 mikrotik-5.20-Cracked	12/10/2012 22:12	WinRAR archive	The second second second
	📜 Ubuntu 9.10 i386	07/07/2010 10:59	WinRAR archive	all. <u>(What's this?)</u>
🖳 Computer	📜 ubuntu-12.04.1-desktop-i386	28/09/2012 11:11	WinRAR archive	
🏭 Local Disk (C:)	Visio 2007	02/12/2012 13:12	WinRAR archive	ank hard disk.
New Volume (D:)	🔚 Windows 7	28/01/2010 17:10	WinRAR archive	
-	۲ <u> </u>		•	Next > Cance
File na	ame: debian-500-i386-DVD-1	✓ CD-ROM image	ues (*.iso) 🔻	

VMware 7 akan secara otomatis mendeteksi jenis sistem operasi tersebut, tampak pada gambar di bawah "Debian 5 Detected"

Guest Operating System Installation A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?				
nstall from:				
🔘 Installer disc	:			
🚑 DVD RW	/ Drive (E:)		-	
D: Waster \c	lebian-500-i38	/· I6-DVD-1.iso		Browse
Debian !	5 detected.			
🔘 I will install t	ne operating s	ystem later.		



Kita pilih kapasitas harddisk yang akan kita gunakan untuk OS Debian di VMWare nantinya, rekomendasi dari VMWare adalah 8GB. Pilih next

New \	/irtual Machine Wizard
5	pecify Disk Capacity How large do you want this disk to be?
Th co ad	e virtual machine's hard disk is stored as one or more files on the host mputer's physical disk. These file(s) start small and become larger as you d applications, files, and data to your virtual machine.
Re	ecommended size for Debian 5: 8 GB
۲	Store virtual disk as a single file
C	Split virtual disk into 2 GB files
	Splitting the disk makes it easier to move the virtual machine to another computer.
6	Pocket ACE size calculator
172-	
	Help <a>Reack</a> <a>Reack</a> <a>Cancel</a>



Klik finish untuk memulai instala	si Debian pada VMWare
-----------------------------------	-----------------------

Ready to Create	Virtual Machine create the virtual machine and start installing Debian	5.
he virtual machine v	vill be created with the following settings:	
Version:	Workstation 6.5-7.0	
Operating Syst	Debian 5	-
Hard Disk:	8 GB	
Memory:	512 MB	1
Network Adapt	NAT	
Other Devices:	CD/DVD, Floppy, USB Controller, Sound Card	
•	III	



Pada Boot menu diabawah kita pilih menu Install, karena kita akan menginstall menggunakan mode nongraphic, tekan enter.





Pertama kita pilih pengaturan bahasa yang akan kita gunakan dalam proses instalasi. Pilih sesuai kehendak kita, lalu tekan enter



Pilih teritory area, kemudian tekan enter

В	ased or	n your la	anguage,	┥ [!!]   you ar	Choose la e probabl	nguage   y locate	d in one o	f these	
C	hoose a	a country	, terri	tory or.	area:				
				Aus Bot Can Hon Ind Ire New Nig Phi Sin Sou Uni Zim oth	tralia swana ada g Kong ia land Zealand eria ceia lippines gapore th Africa ted Kingd ted State babwe er	om S <b>o</b>			
	<go< th=""><th>Back&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></go<>	Back>							
Tab>	moves	between	items;	<space></space>	selects;	<enter></enter>	activates	buttons	



Kita pilih keyboard layout, kemudian tekan enter.

American English Belarusian Belgian Brazilian (ABNT2 layout) Brazilian (EUA layout) British English Bulgarian Canadian French Canadian Multilingual Croatian Czech Danish Dutch Dvorak Estonian Finnish French German Greek	↑
ZGo Backs	

proses selanjutnya adalah scanning CD-ROM tunggu hinga proses selesai.

Scanning /cdrom/p	Scanning CD-ROM	



Selanjutnya kita pilih hostname untuk nama OS Debian kita, isikan sesuai keinginan kita.

Please enter th The hostname is network. If you network adminis you can make so Hostname:	e hostname for this sy a single word that id don't know what your strator. If you are set mething up here.	ystem. Wentifies your system to the hostname should be, consult your ting up your own home network,
<mark>gandhie</mark> ≺Go Back≻		<continue></continue>

Kemudian isikan juga nama domain untuk OS Debian kita.

The doma your hos or .org. somethir computer	in name is th t name. It i If you are g up, but mak s.	[!] Configure ne part of your is often someth setting up a h setting you use	e the networ r Internet a ning that en nome network e the same d	k ddress to the right of ds in .com, .net, .edu, , you can make omain name on all your
somethir computer Domain r polines.	g up, but mak s. ame: ac.id	e sure you use	e the same d	ómain name on all your
<go< td=""><td>Back&gt;</td><td></td><td></td><td><continue></continue></td></go<>	Back>			<continue></continue>



Selanjtnya adalah setting waktu untuk Debian, kita pilih Zona waktu dimana kita berada.

Setting up the clock
Getting the time from a network time server <a href="mailto:kcancel">KCancel&gt;</a>



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Langkah selanjutnya adalah partisi harddisk, kita bisa melakukan partisi manual maupun dengan Guided, yaitu dengan partisi default dari Debian. Kali ini saya pilih Guided (pilihan pertama).

	[!!] Partition disks
If you o be asked	choose guided partitioning for an entire disk, you will next I which disk should be used.
Partitio	oning method:
	<mark>Guided – use entire disk</mark> Guided – use entire disk and set up LVM Guided – use entire disk and set up encrypted LVM Manual
<go< td=""><td>Back&gt;</td></go<>	Back>

Pilih harddisk yang akan kita buat partisi.

	[!!] Partition disks
Note th before	at all data on the disk you select will be erased, but not you have confirmed that you really want to make the changes.
Select	disk to partition:
	SCSI1 (0,0,0) (sda) – 8.6 GB VMware, VMware Virtual S
<go< td=""><td>Back&gt;</td></go<>	Back>



Kita pilih pilihan untuk partisi harddisk, bisa kita pilih sesuai kehendak kita, kita menghendaki semuanya dalam satu partisi maupun pemisahan /home , /usr .. dll

[!] Partition disks
Selected for partitioning:
SCSI1 (0,0,0) (sda) – VMware, VMware Virtual S: 8.6 GB
The disk can be partitioned using one of several different schemes. If you are unsure, choose the first one.
Partitioning scheme:
All files in one partition (recommended for new users) <mark>Separate /home partition</mark> Separate /home, /usr, /var, and /tmp partitions
<go back=""></go>

Jika sudah selesai, selanjutnya kita pilih Finish pertitioning and write changes to disk.

Guided partitioning Help on partitioning SCSI1 (0,0,0) (sda) – 8.6 GB VMware, VMware Virtual S #1 primary 2.5 GB B f ext3 / #5 logical 337.2 MB f swap swap #6 logical 5.8 GB f ext3 /home Wodo chapges to partitions
SCSI1 (0,0,0) (sda) – 8.6 GB VMware, VMware Virtual S #1 primary 2.5 GB B f ext3 / #5 logical 337.2 MB f swap swap #6 logical 5.8 GB f ext3 /home Updo changes to partitions
Undo changes to partitions
Finish partitioning and write changes to disk
<go back=""></go>



	[[!!] Partition disks
If y disk	you continue, the changes listed below will be written to the <s. able="" be="" changes="" further="" make="" manually.<="" otherwise,="" td="" to="" will="" you=""></s.>
WARN remo	VING: This will destroy all data on any partitions you have oved as well as on the partitions that are going to be formatted.
The	partition tables of the following devices are changed: SCSI1 (0,0,0) (sda)
The F	following partitions are going to be formatted: partition #1 of SCSI1 (0,0,0) (sda) as ext3 partition #5 of SCSI1 (0,0,0) (sda) as swap partition #6 of SCSI1 (0,0,0) (sda) as ext3
Writ	te the changes to disks?
	<go back="">  &lt;</go>

Proses instalasi base system akan berjalan, tunggu hingga proses selesai.

Installing the base system
Validating gnupg



Kita masukkan password untuk root (administrator). Perlu diperhatikan untuk password ini kita harusbenar-benar mengingatnya.

	[!!] Set up us	ers and passwords	
You need to so account. A ma disastrous res that is not ea dictionaries,	et a password for 'r licious or unqualifi sults, so you shoulo asy to guess. It sho or a word that coul	ooot', the system a ed user with root take care to choo wild not be a word d be easily associ	dministrative access can have se a root password found in ated with you.
A good passwo punctuation a	rd will contain a mi nd should be changed	xture of letters, Hat regular interv	numbers and als.
Note that you	will not be able to	see the password	as you type it.
Root password	:		
****			
(Go Back)			<continue></continue>

Masukkan password lagi yang sama unutk verifikasi.

[!!] Set up Please enter the same root p typed it correctly. Re-enter password to verify:	b users and passwords bassword again to verify that you have
x <del>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</del>	
Gaby moves between items: (Space)	selects: «Enter» activates buttons



Kita berikan nama untuk user account kita, isikan seuai kehendak atau nama kita.

Username for your account:	
gandhie	
<go back=""></go>	<continue></continue>
moves between items: <snare> selects: <enter></enter></snare>	activates buttons
moved between items, topaco, corecto, tenter,	

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

<Go Back>

Gandhie

<Continue>

Tab> moves between items; <Space> selects; <Enter> activates buttons



Setelah semuanya kita isikan dengan benar langkah selanjutnya adalah scanning cd. Hal ini agar memudahkan kita untuk mengetahui paket-paket apa saja yang ada di dalam setiap cd Debian, jika kita menghendaki scan maka pilih yes ,jika tidak pilih no.

Г	[!] Configure the package manager
	Your installation CD or DVD has been scanned; its label is:
	Debian GNU/Linux 5.0.0 _Lenny_ – Official i386 DVD Binary–1 20090214–16:54
	You now have the option to scan additional CDs or DVDs for use by the package manager (apt). Normally these should be from the same set as the installation CD/DVD. If you do not have any additional CDs or DVDs available, this step can just be skipped.
	If you wish to scan another CD or DVD, please insert it now.
	Scan another CD or DVD?
	<go back=""> <yes> &lt;<mark><no></no></mark></yes></go>
	<go back=""> <yes> &lt;<u><no></no></u></yes></go>

Selanjutnya adalah pilihan unutk menginstall paket-paket software yang ada di Debian. Pilih sesuai kebutuhan kita. Yang terpenting adlah install standard sytem Debian.

At the system followi	moment, only the core of the system is installed. To tune the to your needs, you can choose to install one or more of the ng predefined collections of software.
Choose	software to install:
	<pre> Desktop environment H Web server Print server DNS server F DNS server F Hail server F Mail server SQL database F Laptop F* Standard system Continue&gt; </pre>



Proses instalasi paket akan berjalan.

Select and install software – 29% Installing libcap2 ure bc	

Muncul pilihan untuk menginstall Grub loader, ini berfungsi agar Debian kita bisa melakukan dual boot dengan OS lain. Jika kita ingin menginstallnya pilih YES.

[!] Install the GRUB boot loader on a hard disk         It seems that this new installation is the only operating system on this computer. If so, it should be safe to install the GRUB boot loader to the master boot record of your first hard drive.         Warning: If the installer failed to detect another operating system that is present on your computer, modifying the master boot record will make that operating system temporarily unbootable, though GRUB can be manually configured later to boot it.         Install the GRUB boot loader to the master boot record? <go back=""></go>
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proses instalasi selesai, Debian memnita kita untuk melakukan restart unutk finishing instalation, pilih Continue.



Proses instalasi selesai, sekarang kita bisa login dengan username dan password yang telah kita set tadi. dan Debian telah siap dioprek.

### Debian GNU/Linux 5.0 gandhie tty1

gandhie login: gandhie Password: Linux gandhie 2.6.26-1-686 #1 SMP Sat Jan 10 18:29:31 UTC 2009 i686

The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. gandhieQgandhie:  $\$ 



Sekian tulisan mengenai Instalasi Linux Debian pada Virtual Machine. Selamat mencoba dan semoga bermanfaat.

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