

Ubuntu Installation for

Virtual Machine Manual

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Preface

Version	Date	Revision Content
v1.0	2012-7-18	Found



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1. Preparation

Windows xp-sp3

VMware-workstation-full-7.1.4 installation program, a sequence number

ubuntu-10.10-i386.iso CD

2. vmware-work-station-7.1.4 Installation

Step 1:Double-click the installation file, the installer will need a period of time

for processing, after processing, pops up the following window, click the "next".



Step 2: Select the "Typical".

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Setup Type Choose the setup type that best suits your needs.
Typical program features will be installed.
Eustom Choose which program features you want installed and where they will be installed. Recommended for advanced users.
< <u>B</u> ack <u>N</u> ext > Cancel

Picture 2

Step 3: Select the installation path, the default on disk C.

Vivar	e Workstation Setup	
Destir Click	nation Folder Next to install to this folder or click Change to install to a different folder.	Jo
f	Install VMware Workstation to: C:\Program Files\VMware\VMware Workstation\	<u>C</u> hange
		Card
	< <u>Back</u>	

Picture 3

Step 4:In order to save time, do not check updates.

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	Software Updates When would you like to check for updates of your software?	
	Check for product updates on startup When VMware Workstation starts, check for new versions of the application and installed	
	software components.	
	Learn More	
	< <u>B</u> ack <u>N</u> ext > Cancel	
) 5: Iş	gnore the improvement.	
	VIware Vorkstation Setup	
	VIvare Vorkstation Setup User Experience Improvement Program Would you like to send feedback to VMware?	
	VIvare Vorkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Help improve VMware Workstation	
	VIvare Vorkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Image: Help improve VMware Workstation Send anonymous system data and usage statistics to VMware.	
	VIvare Vorkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Description Description Description Send anonymous system data and usage statistics to VMware.	
	VIvare Torkstation Setup User Experience Improvement Program Would you like to send feedback to VMware?	
	VIrace Torkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Help improve VMware Workstation Send anonymous system data and usage statistics to VMware.	
	VIrare Torkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Image: Description of the prove VMware Workstation Send anonymous system data and usage statistics to VMware.	
	VIrace Vorkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Image: Delta pi improve VMware Workstation Send anonymous system data and usage statistics to VMware. Learn More	
	Verace Torkstation Setup User Experience Improvement Program Would you like to send feedback to VMware? Image: The prove VMware Workstation Send anonymous system data and usage statistics to VMware. Learn More Kearn More	



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Vivare Vorkstation Setup	
Shortcuts Select the shortcuts you wish to place on your system.	
Create shortcuts for VMware Workstation in the following places:	
Start Menu Programs folder	
✓ Quick Launch toolbar	
< <u>B</u> ack Cancel]

Picture 6

Step 7: All the options configured, select the "continue", the following is a long

wait...

VIvare Vorkstation Setup
Ready to Perform the Requested Operations
Click Continue to begin the process.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< <u>B</u> ack Cancel

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Picture 7

Step 8: Please be patient.

VIIvare Vorkstation Setup	
Performing the Requested Operations	
Please wait while the wizard performs the requested operation. This may take several minutes.	
Status: Installing packages on the system Preparing list of required operations	0
< <u>B</u> ack <u>N</u> ext > Cancel	

Picture 8

Step 9:Enter the SN:ZZ310-45D8L-M84RZ-Q5NXZ-WV8Z6.

VIvare Vorkstation Setup	
Enter License Key (optional) You can enter this information later.	
License Key: (XXXXX-XXXXX-XXXXX-XXXXX)	
]
<u>E</u> nter >	<u>S</u> kip >

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Picture 9

Step 10: Select "Restart Now".



Step 11: Complete restart, double click the program icon on the desktop, open the

program, first dialog is user agreement.



License Agreement	
Please read the following license agreement carefully.	
VMWARE, INC. MASTER END USER LICENSE AGREEMENT	^
NOTICE: BY DOWNLOADING AND INSTALLING, COPYING OR OTHERWIS USING THE SOFTWARE, YOU AGREE TO BE BOUND BY THE TERMS OF TH VMWARE MASTER END USER LICENSE AGREEMENT ("EULA"). IF YOU D NOT AGREE TO THE TERMS OF THIS EULA, YOU MAY NOT DOWNLOAD, INSTALL, COPY OR USE THE SOFTWARE, AND YOU MAY RETURN THE UNUSED SOFTWARE TO THE VENDOR FROM WHICH YOU ACQUIRED IT WITHIN THIRTY (30) DAYS AND REQUEST A REFUND OF THE LICENSE FR ANY, ALREADY PAID UPON SHOWING PROOF OF PAYMENT. "YOU" ME THE NATURAL PERSON OR THE ENTITY THAT IS AGREEING TO BE BOUN	SE IIS O E, IF ANS D
Yes, I accept the terms in the license agreement No, I do not accept the terms in the license agreement	
	ок

Step 12: Accept the user agreement, then appear the program interface.



Picture 12

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5. Virtual Machine Creation

Vmware installation is completed, you can create a virtual machine.

Step 1: Click "File->New->Virtual Machine..."







Picture 14

Step 3: For Linux installations, will be some problems, so select the third box ,and

select manual installation of OS.

New Virtual Lachine Vizard
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?
Install from:
O Installer <u>d</u> isc:
▲ DVD 驱动器 (H:)
O Installer disc image file (iso):
Browse
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help < Back Next > Cancel
Picture 15

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Step 4:Select Ubuntu.

New Virtual Lachine Vizard	
Select a Guest Operating System Which operating system will be installed on this virtual machine?	
Guest operating system Microsoft Windows Linux Novell NetWare Sun Solaris VMware ESX Other	0
Help < Back Next > Cancel	
Picture 16	-

Step 5:Customizable virtual machine name, the second choice you store the virtual machine installation path; It's important to note that the virtual machine files are large, using a period of time may take up more than 20G, so choose a larger disk space, without Spaces in path, Target disk is best in NTFS format.



Name the Virtual Machine Wirtual machine name: Ubuntu-10.10 Location: F:\VM\ubuntu-10.10 Default location can be changed at Edit > Preferences. The default location can be changed at Edit > Preferences. < Back Next > Cancel	New Virtual Machine Vizard	
Virtual machine name: Ubuntu-10.10 Location: F:\VM\ubuntu-10.10 The default location can be changed at Edit > Preferences. < Back	Name the Virtual Machine What name would you like to use for this virtual machine?	
<u>A Back</u> <u>N</u> ext > Cancel	Virtual machine name: Ubuntu-10.10 Location: F:\VM\ubuntu-10.10 The default location can be changed at Edit > Preferences.	Browse
	< <u>Back</u> <u>N</u> ext >	Cancel



Step 6: This step is to allocate the virtual machine space, appropriately allocate more larger, the default is 20G, 50G be allocated here. If the space is small, will be insufficient in the future, it is easy to lead to problems such as system can't normal start. In this case, the value of space is the maximum allowable virtual machine takes up.

The second option is to select the way of storage, generally select a single file, if the target memory is FAT32, may need to split. Setup be completed, will generate a VMDK files in the target folder, can be simplely to understand this file as a virtual HD.



New Virtual Lachine Vizard	
Specify Disk Capacity How large do you want this disk to be?	
The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine. Maximum disk gize (GB): 50.0 Recommended size for Ubuntu: 20 GB Store virtual disk as a single file Split virtual disk into multiple files Split virtual disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks. Pocket ACE size calculator	
Help < Back Next > Cancel	
	-

Picture 18

Step 7: Click "Finish" to complete the virtual machine settings.

ſ	New Virtual Lachine Vizard
	Ready to Create Virtual Machine Click Finish to create the virtual machine. Then you can install Ubuntu.
	The virtual machine will be created with the following settings:
	Name: Ubuntu=10.10 Location: F:\VM\ubuntu=10.10 Version: Workstation 6.5-7.x Operating Sy Ubuntu
	Hard Disk: 50 GB Memory: 512 MB Network Adap NAT Other Devices: CD/DVD, Floppy, USB Controller, Printer, Sou
	< Back Finish Cancel

Picture 19

Step 8: Completed the creation of a virtual machine, back to the main interface,

click the left side of the second option "Edit virtual machine Settings", and then
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configure the virtual machine.

📴 Ubuntu-10.10 - VIIware Vorkstatio	• – – – – – – – – –	
<u> </u>	lp	
Alome 🗙 🔂 Ubuntu-10.10 🗙		
Libuptu-10.10		
State: Powered off		
Guest OS: Ubuntu		
Location: F:\VM\ubuntu-10.10\Ubuntu-10 Version: Workstation 6.5-7 x virtual mac	D.10.vmx thine	
Commands	Devices Options	
Power on this virtual machine	Memory 512 MB	
112 Edit virtual machine settings	Hard Disk (SCSI) 50 GB	
Enable ACE features (What is ACE?)	CD/DVD (IDE) Auto detect	
	Floppy Auto detect	
	Guss Controller Present	
	Sound Card Auto detect Present	
	These	
Notes		
Type here to enter notes for this virtual machine.		
F	Picture 20	

Step 9: About memory, suggest to use above 1G memory setting, generally not

less than 512 M, less than half the total capacity of the memory.



Firtual Tachine Settings Hardware Options Device Summary Memory 1024 MB Processors 1 Hard Disk (SCSI) 50 GB CD/DVD (IDE) Auto detect Wetwork Adapter Bridged Sound Card Auto detect Printer Present Display Auto detect	Memory Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB. Memory for this virtual machine: 1024 MB 32 GB 16 MB 16 GB 16 MB 17 MB
Equitable Ferniove	OK Cancel Help



Step 10:Network Settings as "Bridged mode, then the virtual machine on the network structure and Windows equivalent of two equal computer. It is important to notice the different network environment should adopt different Settings.

If your PC connect to router directly, do not need to dial ,can directly access the network, and can get IP address through DHCP automatically, please set Bridged mode; If you need to dial to access the network, set to NAT model first, let the virtual machine through host machine access the network, when we need mount the network file system in the future, set Bridged mode.



Hardware Options		
Device Sum Memory 1024 Processors 1 Hard Disk (SCSI) 50 G CD/DVD (IDE) Auto Network Adapter Briddowork Adapter Sound Card Auto Printer Pres Display Auto	mmary 24 MB GB to detect detect sent to detect sent to detect	Device status Connected Connect at power gn Network connection Image: Bridged: Connected directly to the physical network Replicate ghysical network connection state MAT: Used to share the host's IP address Host-only: A private network shared with the host Custom: Specific virtual network VMnet0 (Auto-bridging)
		OK Cancel Help

Picture 22

Step 11: Floppy disk generally do not need, click "Remove ".

Device Summary Image: Memory 1024 MB Processors 1 Hard Disk (SCS) 50 GB CD/DVD (IDE) Auto detect Propy Auto detect Onnection Use ghysical drive: Auto detect Image Sound Card Auto detect Printer Present Display Auto detect Create Browse Rgad-only Rgad-only	Virtual Lachine Hardware Options	Settings	
	Device Memory Processors Charl Disk (SCSI) CD/DVD (IDE) Fioppy SUB Controller SUBS Controller Sound Card Printer Display	Summary 1024 MB 1 50 GB Auto detect Auto detect NAT Present Auto detect Present Auto detect Present Auto detect	Device status
Add <u>R</u> emove OK Cancel Help		Add <u>R</u> emove	OK Cancel Help

Step 12: CD, if you install system with ISO file, setting as shown, then set the

paths to ISO; If you use a physical disks, select "CD/DVD".



Virtual Lachine Hardware Options	Settings	
Device Memory Processors Hard Disk (SCSI) CD/DVD (IDE) Network Adapter USB Controller USB Controller Display	Summary 1024 MB 1 50 GB Auto detect Bridged Present Auto detect Present Auto detect	Device status © Connected © Connection © Use physical drive: Auto detect © Use ISO Image file: D:\software\ISO\ubuntu-10.10-1 ♥ Browse Adyanced
-	Add <u>R</u> emove	
		OK Cancel Help

Picture 24

After configuration is completed, click "OK " to return to main interface.

4. Install Ubuntu 10.10 OS in Virtual Machine

Step 1: At the virtual machine main interface, click the first item on the left "Power on this virtual machine", start the virtual machine.



Ubuntu Installation for Virtual Machine Manual



Step 2: Because the virtual machine hard disk system is not yet installed, so after BIOS interface will start from CD, after appearing Ubuntu logo select English then click "install Ubuntu".



😨 Ubuntu-10.10 - VIIware W	orkstation			
File Edit View VM Tabs ■ - E to O I I				
	^			
No. Install			100	
Welcome				
English Español Esperanto Euskara Français Gaeilge Galego Hrvatski Italiano Kurdî Latviski Lietuviškai Magyar	Try Ubuntu	Install Ubuntu		
Nederlands Norsk bokmål	You can try Ubuntu without ma directly from this CD.	aking any changes to your computer,		
Norsk nynorsk Polski Português	Or if you're ready, you can ins current operating system. Th	stall Ubuntu alongside (or instead of) you is shouldn't take too long.	r	
Português do Brasil	You may wish to read the <u>rele</u>	ase notes.		
To direct input to this VM, c	lick inside or press Ctrl+ Picture 20	c 🕞 🖼 🖷	0. 🛛 🔲 //	

Step 3: Several checks on there, do not select the two options on below, click the

"forward".



iome 🗙 🛱 Ubuntu-10.10 🗙	
<u>එ</u>	
8 Install	
Preparing to install Ubuntu	
For best results, please ensure:	
that you have at least 2.6 GB available drive space	
that you are plugged in to a power source	
✓ that you are connected to the Internet	
Ubuntu supports MP3 playback, Flash content, wifi hardware, and similar functionality through third party software, not all of which is open source. This software is subject to the license terms included with the software's documentation.	
Tick this box to install the software for this functionality.	
The following notice applies to the Fluendo MP3 plugin: "MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson."	
Download updates while installing	
Quit Back Forward	

Picture 27

Step 4: Select "empty and use the entire disk".



😳 Ubuntu-10.10 - VIIware Workstation	
<u>F</u> ile <u>E</u> dit <u>V</u> iew V <u>M</u> <u>T</u> abs <u>H</u> elp	
🙆 Home 🗙 🕞 Ubuntu-10.10 🗙	
も じ	
Allocate drive space	
Erase and use the entire disk	
Specify partitions manually (advanced)	
Quit Back Install Now	
To direct input to this VM, click inside or press Ctrl+G.	

Picture 28

Step 5: Start the installation.



<u>E</u> dit <u>V</u> iew V <u>M</u>	Tabs Help	
iome × 🔂 Ubuntu-	-10.10 ×	
С С		
	Install	
A	Allocate drive space	
Sele	act drive: SCSI3 (0.0.0) (sda) - 21.5 GB V/Mware. V/Mware Virtual S	
	Ubuntu	
	/dev/sda (ext4) 0.0 B	
	Use Entire Partition Split Largest Partition	
	Quit Back Install Now	

Picture 29

CH

Step 6: Select Time Zone.





Picture 30

Step 7: Keyboard layout.



Home × 🕞 U	ountu-10.10 ×		
	Install		
	Keyboard layou	t	
	Choose your keyboard layou	ut:	
	Tajikistan Tanzania Thailand Turkey Turkmenistan USA Ukraine United Kingdom Uzbekistan Vietnam Type here to test your keyb	USA - Alternative international (USA - Cherokee USA - Classic Dvorak USA - Colemak USA - Dvorak USA - Dvorak USA - Dvorak international USA - Group toggle on multiply/ USA - International (AltGr dead USA - International (with dead k USA - Left handed Dvorak	
	Figure out keyboard layout	Back Forward	

Step 8: Create a user and password. Need to be aware of different release versions between some older versions, ubuntu do not configure the root user, the user created here are not the root user, and no all permissions of root.

.

Step 9: There is a long installation process, please be patient.



lie <u>E</u> dit View	v <u>M</u> <u>1</u> abs <u>H</u> elp ⊙ ♂ D == 戸 ആ				
THome ×	buntu-10.10 ×				
 ● ● ● 					
	Install				
	Who are you	?			
	Your name:	bigstrong		✓	
	Pick a username:	bigstrong 🖌			
	Choose a password:	•••••	Fair password		
	Confirm your password:	•••••] 🖌		
		○ Log in automatically			
		Require my password	to log in		
		Encrypt my nome	Tolder		
			Back Forward		
	Copying files				
direct input to	this VM, click inside	or press Ctrl+G.		😪 🗖 🐚 🖶 🏟 📓 📄 🥢	

Step 10:In the process of installation, need to download something from the Internet (So before installation should keep network smoothly .

Step 11: After the installation is completed, restart the virtual machine system.





Step 12: Click "restart", prompt to take out the installation disk ,then press the

[ENTER] key.



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Picture 34

Step 13: Click "VM->Setting", If you can't find the mouse, you can press [CTRL



+ Alt], the mouse is released from the virtual machine.

Step 14: In the pop-up Settings interface, set CD/DVD parameters as shown, also can empty ISO path, click "OK", click in the virtual machine, the mouse return to the virtual machine, then press [enter] to restart.





📴 Ubuntu-10.10 - VEware Vorkstation		
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>WM</u> <u>T</u> eam <u>W</u> indows <u>H</u> elp	14 m	
Virtual Machine Settings		
Hardware Options		
Device Summary Memory 1024 MB Processors 1 Hard Disk (SCSI) 50 GB COLOVD (DEV) Using file D:\software\ISO\u Network Adapter Bridged O'USB Controller Present O'Sound Card Auto detect Printer Present Display Auto detect	Device status Connected Connection Use ghysical drive: G: Use ISO image file: Transformed and and and and and and and and and an	
Add Remove	OK Cancel Help	9
Pict	ure 36	

Step 15: After the restart, Enter user name and password, then enter the system.

🚖 Home 🗙 🕞 Ubunt	tu-10.10 ×	
	bigstrong-desktop bigstrong Password: Cancel Log In	

Picture 37

Step 16: Go into the system first, enable the root account, use the command line



to start the root, open the terminal as shown:

🦁 Ubuntu-10.10 - VIIware Wor	kstation		
File Edit View VM Tabs He	lp		
🔓 Home 🗙 🕞 Ubuntu-10.10 🗙			
Applications Places	system 🍪 🚬 🚬	ा 🏦 🜒 🛛 🖂 Fri Oct 18, 10:02 AM 😣 bigst	rong 😃
< Accessories	Calculator		
Games	🔸 📄 Character Map		
Craphics	🕨 🌍 Disk Usage Analyzer		
) Internet	🔸 📇 Manage Print Jobs		
Gffice	 Search for Files 		
🧃 Sound & Video	• 🚺 Take Screenshot		
🚡 Ubuntu Software Cente	r Text Editor Add this launch Add this launch Tomboy No Entire menu	er to genel er to gesktop	
To direct input to this VM oli	ck inside or press (tr)+(
To affect input to this way off	Picture 3	8	

Step 17: Click "Terminal ", type the following command:

sudo passwd root

The system will ask for your password, after inputted, require setting a new password for root, enter the root password twice then root account setting is completed.

Step 18: Click the "power icon" in the top right corner, Log out of the current user.





Step 19: Select "logout" in the pop-up dialog.



Picture 40

Step 20: Back to the login screen, click "other".

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👽 Ubuntu-10.10 - VIIware Workstation		
File Edit View VM Tabs Help		
Ame X Bubuntu-10.10 X		
	the state of the state of the	
Ubuntu maverick (development branch)		
Other		
	States and States	
	and the second	
	6 Fri 9:25	
o direct input to this VM, click inside or press Ctrl+G.		
Picture 41		
Enter the user name: root.		
	A C	

Picture 41

Step 21: Enter the user name: root.



🕑 Ubuntu-10.10 - VIIware Workstation	
File Edit View VM Tabs Help	
Ame X 🛱 Ubuntu-10.10 X	
	and the second second
Ubuntu mayerick (development branch)	
Other	
Username: root	
Cancel Log In	
😗 Fri 9:	26 AM 🕐
Fo direct input to this WM, click inside or press Ctrl+G. 🔤 🕞 🕞 🕞	2. 🗟 🖻 🌽

Step 22: Enter the password of the root.

💟 Ibu	mtu-10.10) – VI.wa	are Works	tation					
<u>F</u> ile ■ ▼	<u>E</u> dit <u>V</u> ie	:w V <u>M (</u>	<u>I</u> abs <u>H</u> elp	II 🐻					
合 Hor	me × 🖧	Ubuntu-1	10.10 ×						
				Ubuntu ma C Password:	averick (d bther Can	evelopment bra	nch)		
0	English (Unit	ed States)		USA		Ubuntu Desktop	Edition	Ø	Fri 9:26
T∘ dir	ect input	to this	VM, click	inside or	r press	Ctrl+G.			
					Pictu	re 43			

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Step 23: In the case of without special instructions, use root login to complete the corresponding operations.

Step 24:After installing vmware-tools ,can easily exchange file between the virtual machine and host machine, also can realize the adaptive of virtual machine resolution.

Click "VM->Install Vmware Tools ".

• • • • • • • • • • • • • • • • • •			
Ubuntu-10.10 -	- VLware Workstation		
<u>F</u> ile <u>E</u> dit <u>V</u> iew	VM Tabs Help		
	Power	•	
合 Home 🛛 🔉 🔂	Removable <u>D</u> evices Pause	Ctrl+Shift+P	
			Fri Oct 18 9:33 AM 🐼 bigstrong (b)
	S <u>e</u> nd Ctrl+Alt+Del Grab Input	Ctrl+G	
	S <u>n</u> apshot Canture Screen	Ctrl+Alt+PrtScn	
	Capture No <u>v</u> ie	our architen	
	Manage		
	Install VMware <u>T</u> ools		
	Settings	C+r1+D	
o direct input to	this VM, click inside or	press Ctrl+G.	
		Picture 44	

Step 25: In the virtual machine desktop pops up a window, installation files are mounted in CD form in the virtual machine.



File Edit View VM Tabs Help Home Construction (Construction) Home Construction (Construction) File Edit View Co Bookmarks Help VMware Tools File Edit View Co Bookmarks Help Places VMware Tools Desktop File System Music Ploppy Drive VMware Tools Tash Documents Music Pictures Videos Downloads	🕽 Ubuntu-10.10 - VIIware W	Forkstation		
Home X Ubuntu-10.10 X If all C C L L L L L L L L L L L L L L L L L	File Edit View VM Tabs	Help		
Home Mome Multi-10.10 × I doubte-10.10 ×				
VMware Tools File Edit View Go Bookmarks Help Faces • * • Forward • • • © VMware Tools Back • • Forward • • • © VMware Tools Bigstrong Desktop File System File System Forward • • • • • • • • • • • • • • • • • • •	Home × buntu-10.10	×		8 AM A bigstrong ()
File Edit View Go Bookmarks Help Back Forward Forward			- ••• ••) 🐹 Fill Oct 18, 9.2	
Forward	File Edit View Go Bookmark	ks Help		
Places Image: Constraint of the system Image: Pickup of the system <td< td=""><td>🔶 Back 🔻 🛶 Forward 👻 4</td><td>· 1 🛛 📿 🔒 💻 🖻</td><td>🕻 100% 🍳 🛛 Icon View</td><td>- Q</td></td<>	🔶 Back 🔻 🛶 Forward 👻 4	· 1 🛛 📿 🔒 💻 🖻	🕻 100% 🍳 🛛 Icon View	- Q
 ▲ bigstrong ➡ Desktop ➡ File System ➡ Network ➡ Floppy Drive ♥ VMware Tools ▲ Trash ➡ Documents ➡ Music ➡ Pictures ➡ Videos ➡ Downloads 	Places 🔻 🕯 💿 VM	Mware Tools		
	 de bigstrong in Desktop in File System in Network in Floppy Drive in VMware Tools in Tash in Documents in Music in Pictures in Videos in Downloads 	iffest.txt VMwareTools-9.2. 1031360.tar.gz	3-	

Step 26: Close the pop-up window and open a terminal window, type the

following command in turn:

root@ubuntu:/# cp media/"VMware Tools"/VMwareTools-8.4	4.4-301548.tar.gz . /* Copy to
the current directory */	
root@ubuntu:/# tar -xvf VMwareTools-8.4.4-301548.tar.gz	/* extract */
root@ubuntu:/# cd vmware-tools-distrib	/* Enter the
directory */	
root@ubuntu:/# ./vmware-install.pl	/* All the prompt to press enter
*/	
root@ubuntu:/# cd	/* Return to
the upon directory */	
root@ubuntu:/# rm -rf vmware-tools-distrib	/* Delete
the folder */	
root@ubuntu:/# rm VMwareTools-8.4.4-301548.tar.gz	/* Delete
the package*/	

Finally, restart the server, vmware-tools is installed.



5. ubuntu 10.10 development environment configuration, the

necessary software package

Ubuntu provides apt - get way to install the software from the Internet, can solve the problem of some dependencies automatically. Please input the following command to install the corresponding software. If can't find the software, may be

your network access has a problem, or the source set need to be updated.

root@ubuntu:/# apt-get install build-essential root@ubuntu:/# apt-get install libncurses5-dev root@ubuntu:/# apt-get install bison root@ubuntu:/# apt-get install flex root@ubuntu:/# apt-get install gettext root@ubuntu:/# apt-get install texinfo root@ubuntu:/# apt-get install subversion

6. NFS service configuration

NFS(Network File System), It shares different host(OS) over the network directory, through the NFS ,mount directory to the remote host, access to this directory as access to the local directory!) The root user do the following operation.

1. NFS server and the client installation.

root@ubuntu:/# apt-get install nfs-kernel-server nfs-common portmap

Do you want to continue [Y/n]? Y

After installing the client ,can have a NFS service test in the native machine.

2. Portmap Configuration



root@ubuntu:/# dpkg-reconfigure portmap

Select "No".

3. Mount the directory and the permission configuration.

First, build[/NFS]directory

root@ubuntu:/# mkdir /nfs

Modify the NFS configuration

root@ubuntu:/# vim /etc/exports

Configuration is as follows:

/etc/exports: the access control list for filesystems which may be exported # to NFS clients. See exports(5). # # Example for NFSv2 and NFSv3: # /srv/homes hostname1(rw,sync) hostname2(ro,sync) # # Example for NFSv4: # /srv/nfs4 gss/krb5i(rw,sync,fsid=0,crossmnt) # /srv/nfs4/homes gss/krb5i(rw,sync) # /nfs *(rw,sync,no_root_squash,no_subtree_check)

Remark: * there is space in front

The content behind the # is to explain/nfs the NFS Shared directory, * is any IP

can share this directory, you can change to limited IP, rw is permissions, sync is

the default.

4. NFS service and portmap Restart)

root@ubuntu:/# service nfs-kernel-server restart root@ubuntu:/# service portmap restart

5. NFS test)

Try to mount a local disk, [/nfs] will be mounted to[/mnt].

root@ubuntu:/# mount -t nfs 192.168.1.241:/nfs mnt/ IP */. /*192.168.1.241 is your own

Running the df



192.168.1.110:/nfs 19737280 2962304 15772352 16% /mnt

Mount successfully test successfully, then uninstall.

root@ubuntu:/# umount mnt/

Then to test the development board mount ubuntu server, generally IP has no

limitation, development board mount will succeed. If still have questions, please

check the ubuntu firewall Settings, use the following command to close the

firewall, and then try to mount again:

root@ubuntu:/# sudo ufw disable

- 7. Samba services configuration
- 1. Install samba services.

root@ubuntu:/# sudo apt-get install samba root@ubuntu:/# sudo apt-get install smbfs

2. Edit [/etc/samba/smb.conf], and config files.

root@ubuntu:/# sudo vi /etc/samba/smb.conf

- (1) Delete # before the "security = user"
- (2) Add the following content at the end of the file:

[samba] comment = Home Directories path = /home/wjh/samba available = yes browseable = yes read only = no public = yes

Remark: Please pay attention to the red letter, here want to use absolute paths, may not be able to access with the [~/samba].

3. Create a user in system Settings, the user is called samba



Sets the samba user to the samba account, and set the permissions.

root@ubuntu:/# sudo smbpasswd -a samba root@ubuntu:/# mkdir ~/samba root@ubuntu:/# chmod 777 ~/samba

4. Ubuntu samba server restart

root@ubuntu:/# sudo /etc/init.d/smbd restart

Or Enter the following command:

root@ubuntu:/# sudo service smbd stop root@ubuntu:/# sudo service smbd restart

5. Ubuntu samba server access

In the folder where input "\ \ " +" ubuntu machine IP ", example: [\ \

192.168.1.241]

After entering, can see shared directory [samba], between the PC and virtual machine ,can immediately share files.

8. Conclusion

This chapter mainly introduces the development environment server setup, specifically for the development of the development board, please refer to 《Linux user manual》

If have any questions of building development environment, please consult our customer's service to solve questions. Thank you very much for using Qiyang development board!



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