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Installing Ubuntu Server 10.04 (32bit and 64bit) LTS

Added by Anthony Francis , last edited by Anthony Francis on Aug 10, 2010

Ubuntu server 10.04(32bit and 64bit) LTS

This blog provides details on how to install Ubuntu on XenServer version 5.6.

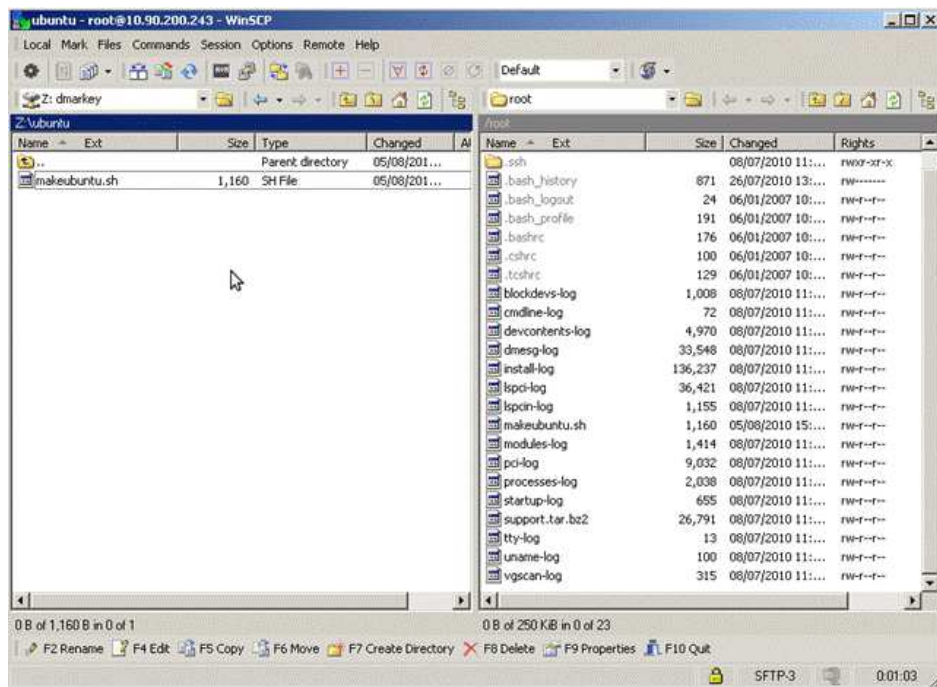
This requires that the XenServer and the guest network have access to the internet; this is required because this is actually a network install and no CD ISO is required.

Listed below is an outline of the overall process:

1. Copy makeubuntu.sh script to the Pool Master (Download Script)
2. Execute makeubuntu.sh script to create Ubuntu Templates
3. Create an Ubuntu VM with the new templates.
4. Perform install and reboot.
5. Install XenTools.

1. Copy makeubuntu.sh to Master

Using WinSCP (or any SFTP client), copy makeubuntu.sh to the /root directory on the Pool Master.



2. Execute makeubuntu.sh to create the Ubuntu templates

In XenCenter, open the console tab of the master to get a bash prompt. Change the current working directory to /root by executing "cd ~".

Then make the "makeubuntu.sh" script executable by issuing "chmod +x makeubuntu.sh"

Execute the script by issuing "./makeubuntu.sh".

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```

XSSub/MarcoDE10R123 server console

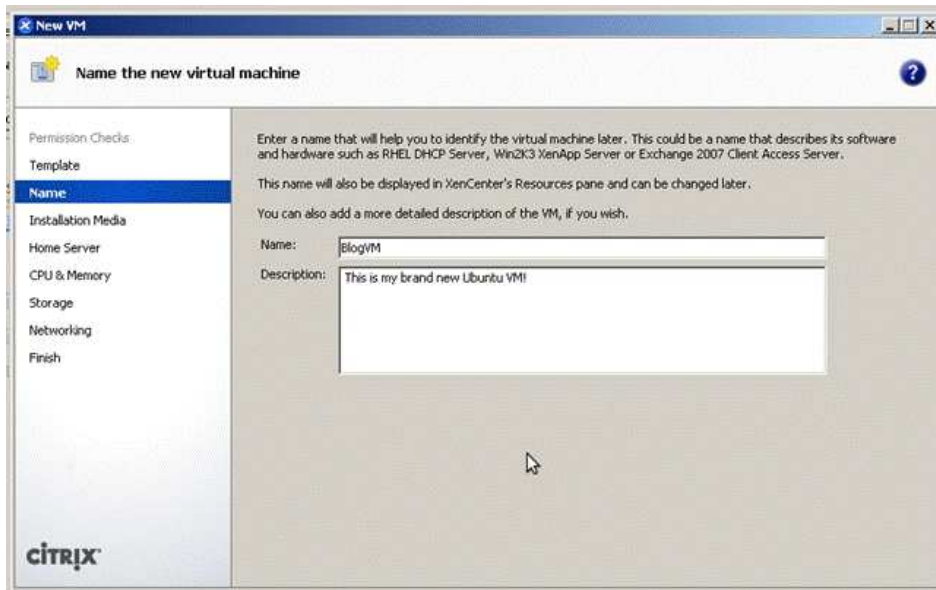
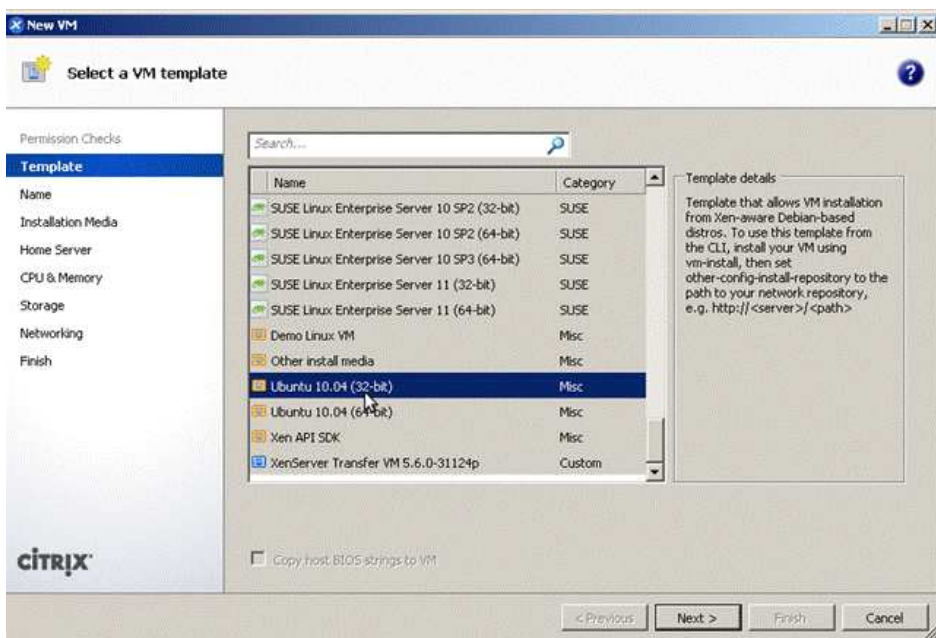
47 root 15 -5 0 0 0 0 0 0 0:00.06 xenwatch
48 root 15 -5 0 0 0 0 0 0 0:00.03 xenbus
02 root 15 -5 0 0 0 0 0 0 0:01.02 khlockd/0
91 root 15 -5 0 0 0 0 0 0 0:00.00 kncpld
92 root 15 -5 0 0 0 0 0 0 0:00.00 kacpi_notify
201 root 15 -5 0 0 0 0 0 0 0:00.00 kseriod
265 root 20 0 0 0 0 0 0 0 0:00.00 pdf flush
[root@XSSub/MarcoDE10R123 ~]# ls
[root@XSSub/MarcoDE10R123 ~]# ls
[root@XSSub/MarcoDE10R123 ~]# cd /
[root@XSSub/MarcoDE10R123 ~]# ls
blkdevs-log install-log mdadm-log          smpact-log  hdd
admind-log  lspci-log  pci-log          tty-log
devconfs-log  lspci-log  processes-log  uname-log
dmccp-log     mkubuntu.sh  startup-log    ugcac-log
[root@XSSub/MarcoDE10R123 ~]# chroot /x makeubuntu.sh
[root@XSSub/MarcoDE10R123 ~]# --makeubuntu.sh
Attempting Ubuntu 10.04 (32-bit)
Success
Attempting Ubuntu 10.04 (64-bit)
Success
Done
[root@XSSub/MarcoDE10R123 ~]#

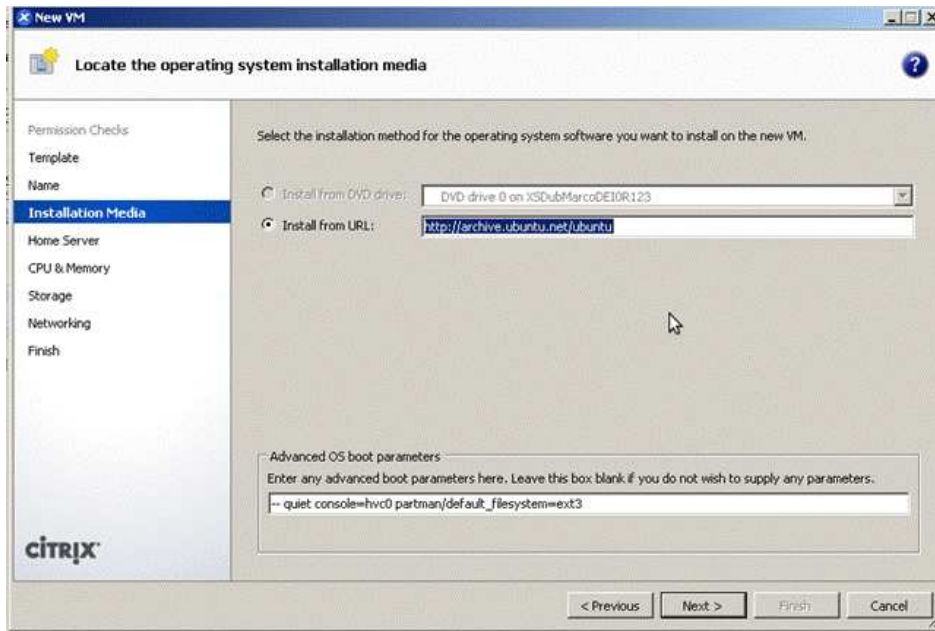
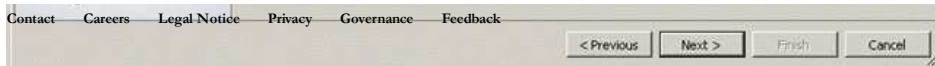
```

Two new VM templates will now have been created, Ubuntu Server 32bit and 64bit

3. Create a new Virtual Machine from a new Ubuntu template.

Using the "New VM" wizard, create a new virtual machine using one of the new Ubuntu templates.





Notice that, by default all fields are pre-populated.

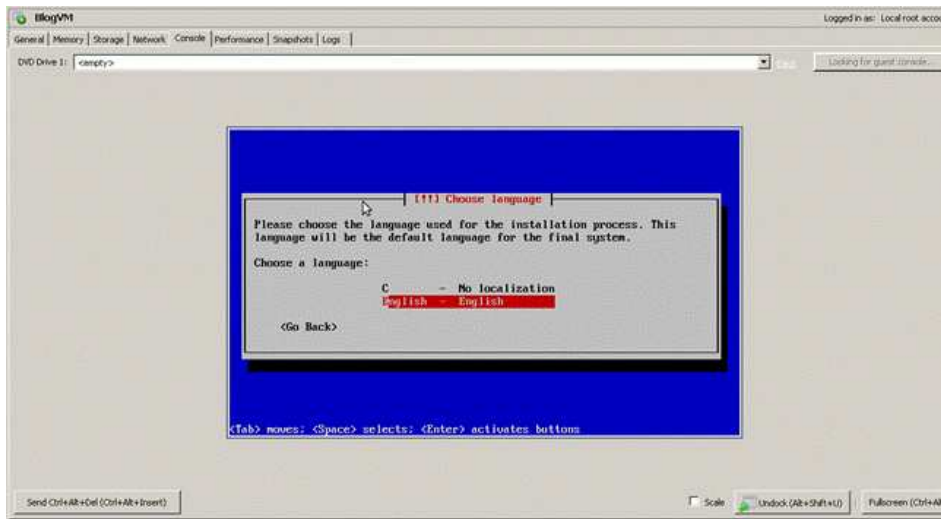
Because XenServer 5.6 does not support ext4, we tell the Ubuntu installer to use ext3 instead (see Advanced OS boot parameters).

Continue the wizard steps as normal.

After the wizard has completed, start the VM.

4. Perform Install and reboot.

The first boot will be the standard Ubuntu server installer.

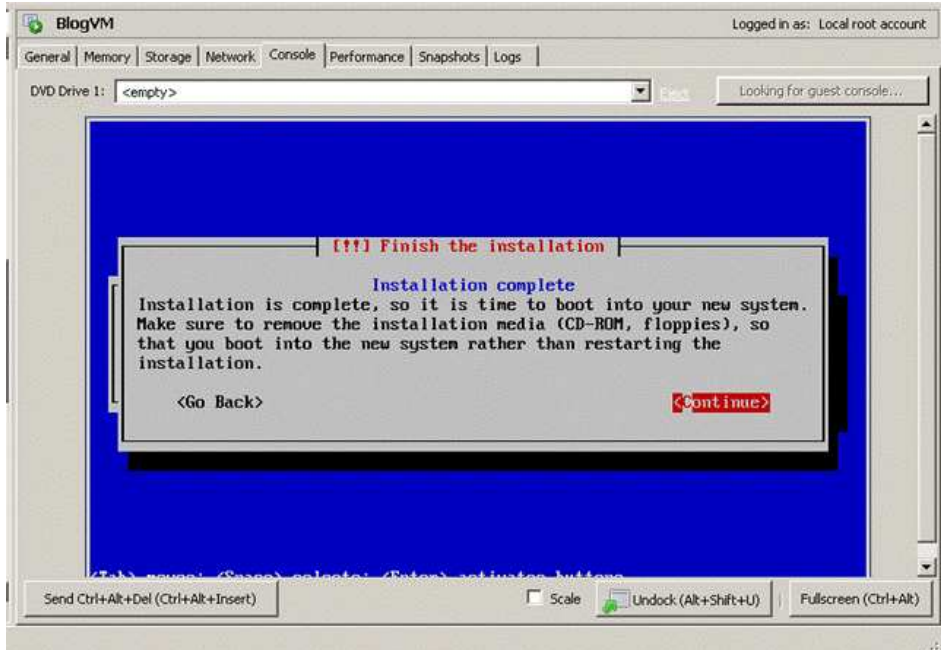


If you want to get started quickly then just choose the default options. At this point this is a standard Ubuntu network installation.

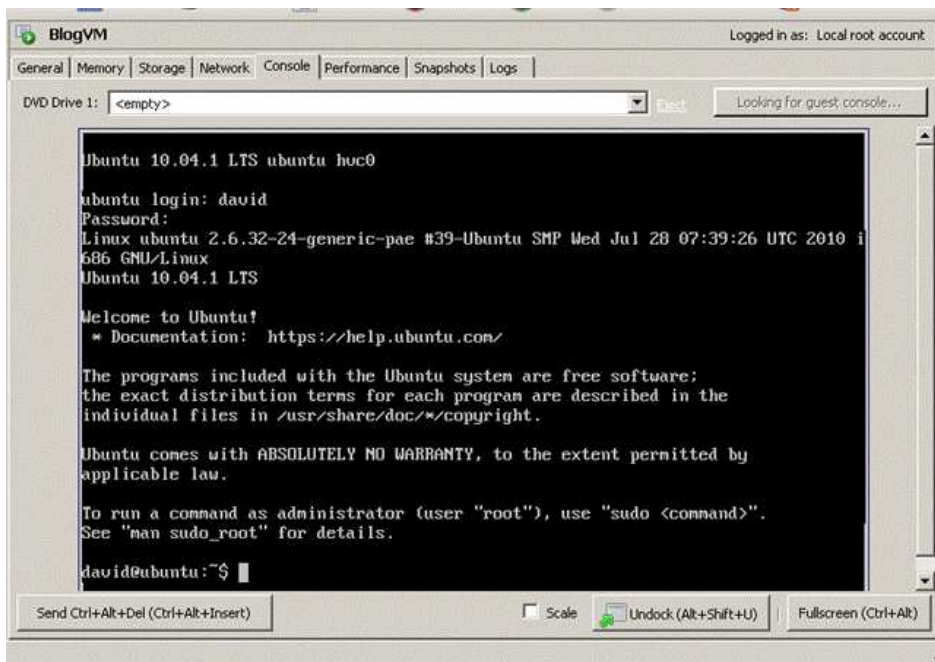
Points to consider:

- Your VM needs network access to an Ubuntu mirror.
- The installer will pull down a large amount of data from the mirror to perform the install.
- LVM in the guest has been successfully achieved, soft raid has not been attempted.
- Do not use ext4 as the VM will not be able to boot. The installer will use ext3 by default. When the installer is finished, reboot.#

When the installer is finished, reboot.



After the reboot of the VM, login to your new Ubuntu operating system.



5. Install XenTools

Installing XenTools is very easy; attach the XenTools cdrom by selecting VM-> Install XenServer Tools.

Then become root by issuing "sudo su", then enter your password.

Mount the iso by issuing "mount /dev/cdrom /mnt".

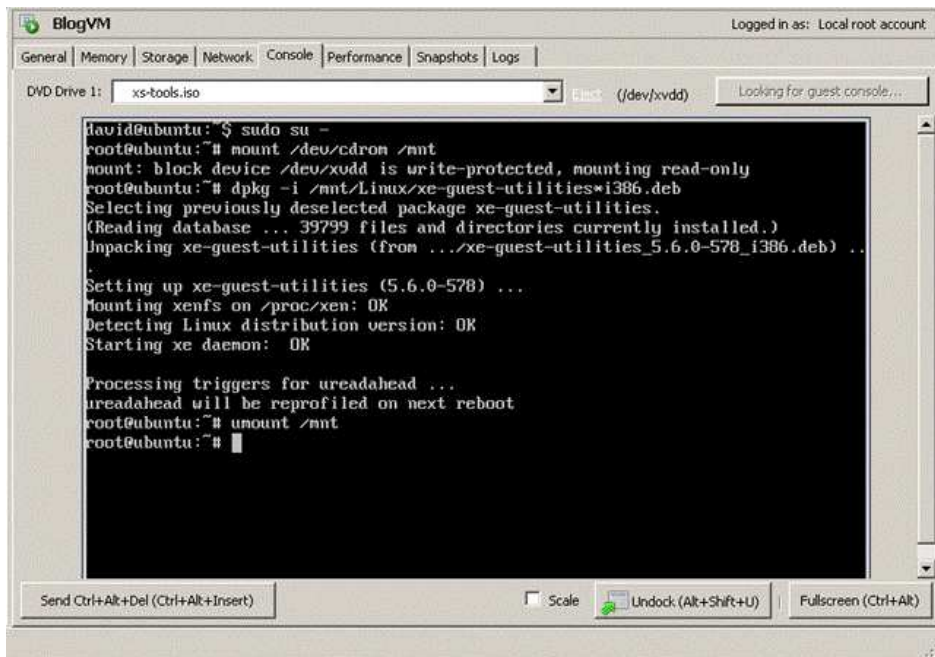
If your Ubuntu install is i386, issue:

```
"dpkg -i /mnt/Linux/xen-guest-utils*i386.deb"
```

On amd64:

```
"dpkg -i /mnt/Linux/xen-guest-utils*amd64.deb"
```

Un-mount the cdrom by issuing "umount /mnt"



You will then notice that Suspend and XenMotion functionality will be enabled.

This concludes the steps needed to install a fully functional Ubuntu 10.04 server VM on XenServer 5.6.

Disclaimer

Please note the following supportability disclaimer: Only OSs listed in the XenServer Virtual Machine Installation Guide are supported by Citrix Technical Support. The OS within this and related blogs are not supported and are installed at the users own risk.

Tags

ubuntu

Comments (15)



Edward Milgram says:

Sep 29, 2010

Great article Anthony!!!

I am no Linux expert so I had to research how to solve 2 issues I found with my local installation. I wanted to share what I had to do in order to create the templates:

1) When you copy a file from DOS/Windows to Linux sometimes there are issues with the DOS based `\r\n` control character sequence. I fixed this by running the command:

```
"sed -i 's/\r$//' makeubuntu.sh"
```

2) I was unable to execute the script using `./makeubuntu.sh` so I executed it instead using:

```
"sh makeubuntu.sh"
```



Dejan Markovic says:

Sep 29, 2010

Hi,

I've followed the tutorial and it's working fine. After that I've tried to delete the template and I'm facing a problem: I could not delete it.

I've tried :

```
xe template-uninstall template-uuid=<UUID>
```

and also:

```
xe template-param-set is-a-template=false uuid=<UUID> && xe vm-uninstall uuid=<UUID> force=true
```

without success.

Did someone have a clue for that?



Anonymous says:

Sep 30, 2010

Anyone know how to get ubuntu desktop to work???

I installed the server version great, and included the ubuntu desktop as a package to install. But it still starts into cli mode, and I am getting an error when I try "startx"

PS: I saw Anthony Francis mention that Ubuntu is now on their roadmap (anyone know if that will include Server and Desktop and do they have any time frame?)



Anonymous says:

Oct 22

If you see the Demo VM, it seems install gdm and Xvnc4 server, and configures gdm to start Xvnc4 on port 5900 instead of standard X. Try it out.



Alberto Matus says:

Oct 05, 2010

Everything seems so damn nice... i was so happy so why the hell when it gets to the install process over the network its a damn pain ...??? I always keep getting this " Starting VM .." Error: Invalid_Source-Unable to access a required file in the specified repository:

```
http://archive.ubuntu.com/ubuntu/dists/lucid/main/installer-i386/current/images/netboot/xen/vmlinuz\
```

I used the ubuntu site from above you had the default and it didnt work, i even changed it to the specific one it says "http://archive.ubuntu.com/ubuntu/dists

/lucid/main/installer-i386/current/images/netboot/xen/vmlinuz" and still nothing.... Im gettin so frustrated 😞

Any help please!



Darren Covell says:

Oct 27

Did make sure your XENSERVER resolves addresses check your /etc/resolv.conf



Anonymous says:

Oct 05, 2010

Any tips on installing 10.10 now that its out? Is it as simple as changing the pointer to the install source in the template creating script to point to maverick instead of lucid?



Alberto Matus says:

Oct 05, 2010

I'd suggest sticking to Lucid ... Long Term Support?? eh ... Anyhow I installed it using the "other" option on the template list, 32 bit server seems to be working fine. I don't know if i might run into issues in the future. Would you guys recommend it ? Will be running atleast 4 virtual servers.



Anonymous says:

Nov 23

Thanks for your great job, i just changed URLs in my templates.

My experience with Lucid LTS Server (base install + SSH server) in PV Mode in a XenServer pool 5.6.0 :

- System installation OK

- Xen-tools installation OK

- Suspend works fine but resume doesn't restore network link, it looks like link stays down. "ifdown + ifup" sometimes solve the problem but not always. I tried to resume either on the same server or on a different server in the pool. I also tried with a dedicated network interface in the pool. The same problem occurs each time.

- XenMotion (live migration in the pool) seems to work fine but at the last time - when 'logs' says it should be ok - it seems to freeze : no console access, no network, can't reboot nor shutdown cleanly ✨

Thanks for your own feedbacks.

--

svincendeau

✨ On reboot or shutdown, messages re-appears on the console and it stays on :

Stopping xce daemon: OK

*Checking for running unattended-upgrades: * Asking all remaining processes to terminate...*



Anonymous says:

Dec 21

Thanks Very much for this How to and some of the issues arising. It has helped us tremendously. Thanks.



Anonymous says:

Dec 22

anybody have a similar solution for xenserver 5.5 ?

Regards



Anonymous says:

Feb 24

What we need to check /etc/resolv.conf? Appreciate for your clarification



Anonymous says:

Jan 06

It was very helpful to me ..Thank you for writing such a nice post..Thank you for share..

UGG Bailey Button



Anonymous says:

Feb 25

This blog provides details on how to install Ubuntu on XenServer version 5.6.

Tiffany jewelry store



Anonymous says:

Feb 25

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