# Installation and Configuration of Ubuntu 16.04 LTS

## References

1. <https://www.digitalocean.com/community/tutorials/initial-server-setup-with-ubuntu-16-04>

## Prerequisites

1. Acquire Ubuntu (Desktop or Server) 16.04 LTS 64-bit ISO image
2. Acquire VMware Tools ISO image (if creating a VM on ESXi host)

## Basic Install and Configuration Procedure

1. Create new VM with Ubuntu ISO mounted
2. Install Ubuntu
3. Change the OS device name (aka the DNS name)
   1. Click the gear icon in the upper right corner of the desktop
   2. Select ‘System Settings…’
   3. Click ‘Details’ under the System icons
   4. Change the ‘Device name’ field as required
   5. Reboot. Not sure this is necessary, but better safe than sorry.
4. Pin the following programs to the Launcher
   1. Programs to pin
      1. Terminal
      2. System Monitor
   2. Procedure to pin
      1. Open search icon from the Launcher (uppermost icon)
      2. Search for the program name
      3. Click it to run it
      4. Right-click the icon in the Launcher and select ‘Lock to Launcher’
5. Update all packages and the OS
   1. Open ‘Ubuntu Software’
   2. Go to the Updates tab.
   3. Update all items.
   4. Repeat until all items are up-to-date
6. Install VMware tools (if on ESXi host only)
   1. Mount the Linux VMTools ISO
   2. Inside the VM, copy the tar.gz folder from the CD drive to the desktop & extract it.
   3. Open a terminal session and navigate to the extracted folder.

cd /home/$USER/Desktop/vmware-tools-distrib/

* 1. Run the installer Perl script

sudo perl vmware-install.pl

1. Install Samba to allow Windows machines to ping the Ubuntu machine by name (not just by IP address)
   1. Install Samba

sudo apt-get install samba

* 1. Reboot

Note: The base OS install uses 5.0 GB of HDD space at this point.

## Maintenance Commands

1. Start & stop a service

sudo systemctl start service-name

sudo systemctl stop service-name