



Making a CentOS VM

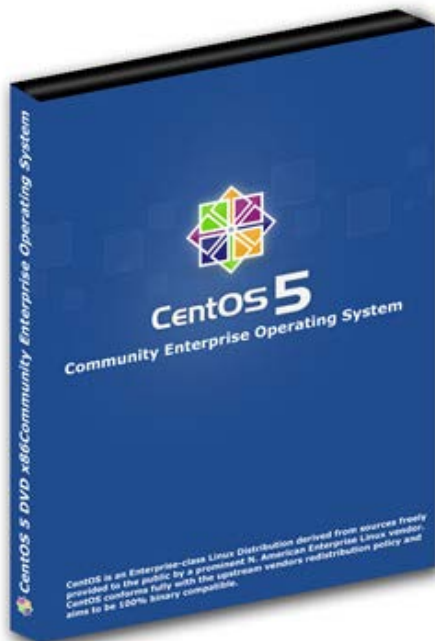
VMware Workstation 7





CentOS

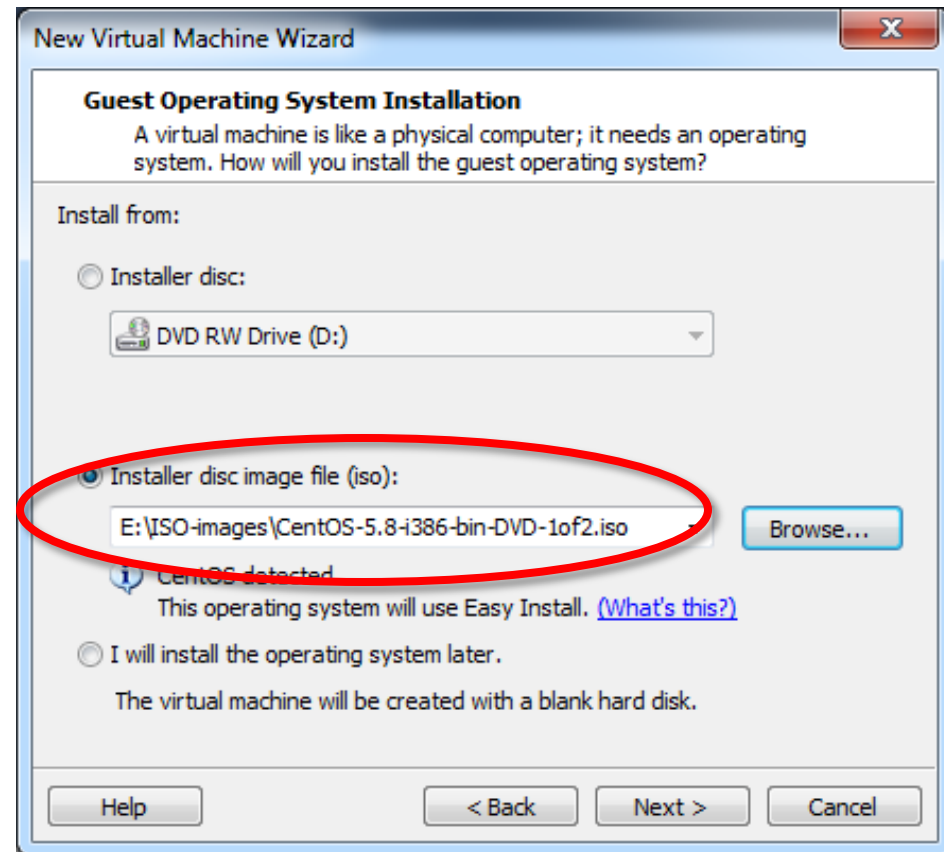
- Free OS derived from Red Hat Enterprise Linux
 - ◆ Free enterprise class computing platform
- 30% of all Linux web servers run CentOS
- Debian & CentOS vie for #1 web platform



Kickbacks
Blackmail
~~Family held hostage~~



Creating a VM



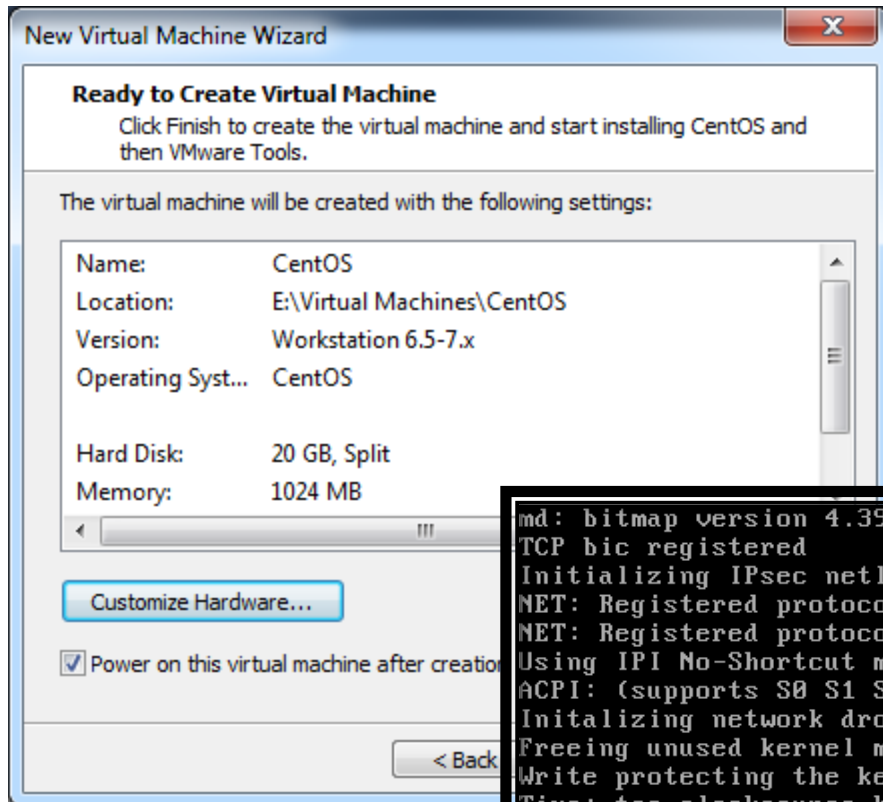
3.8GB

March 7, 2012

DVD2 not needed (language packs)



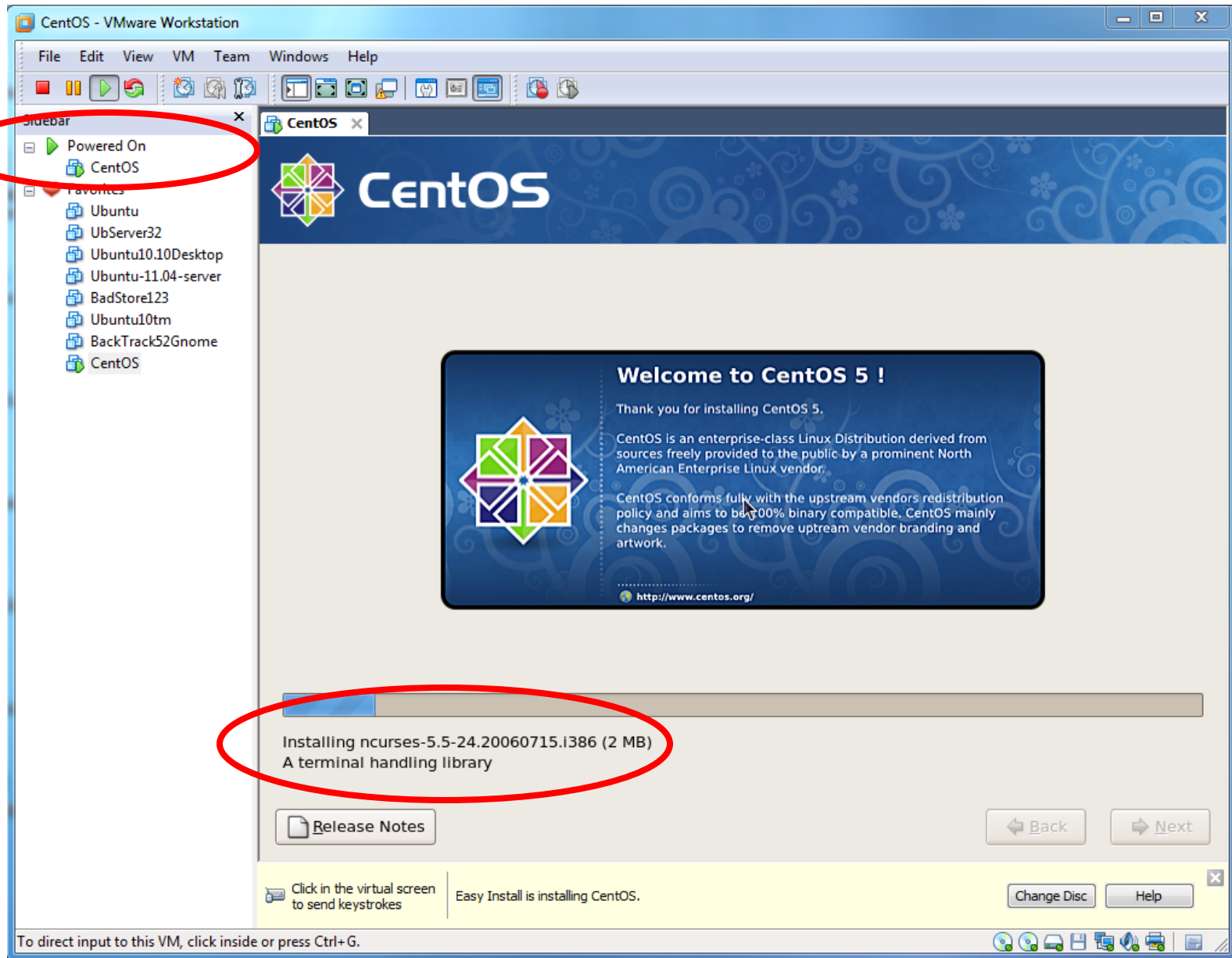
Creating a VM

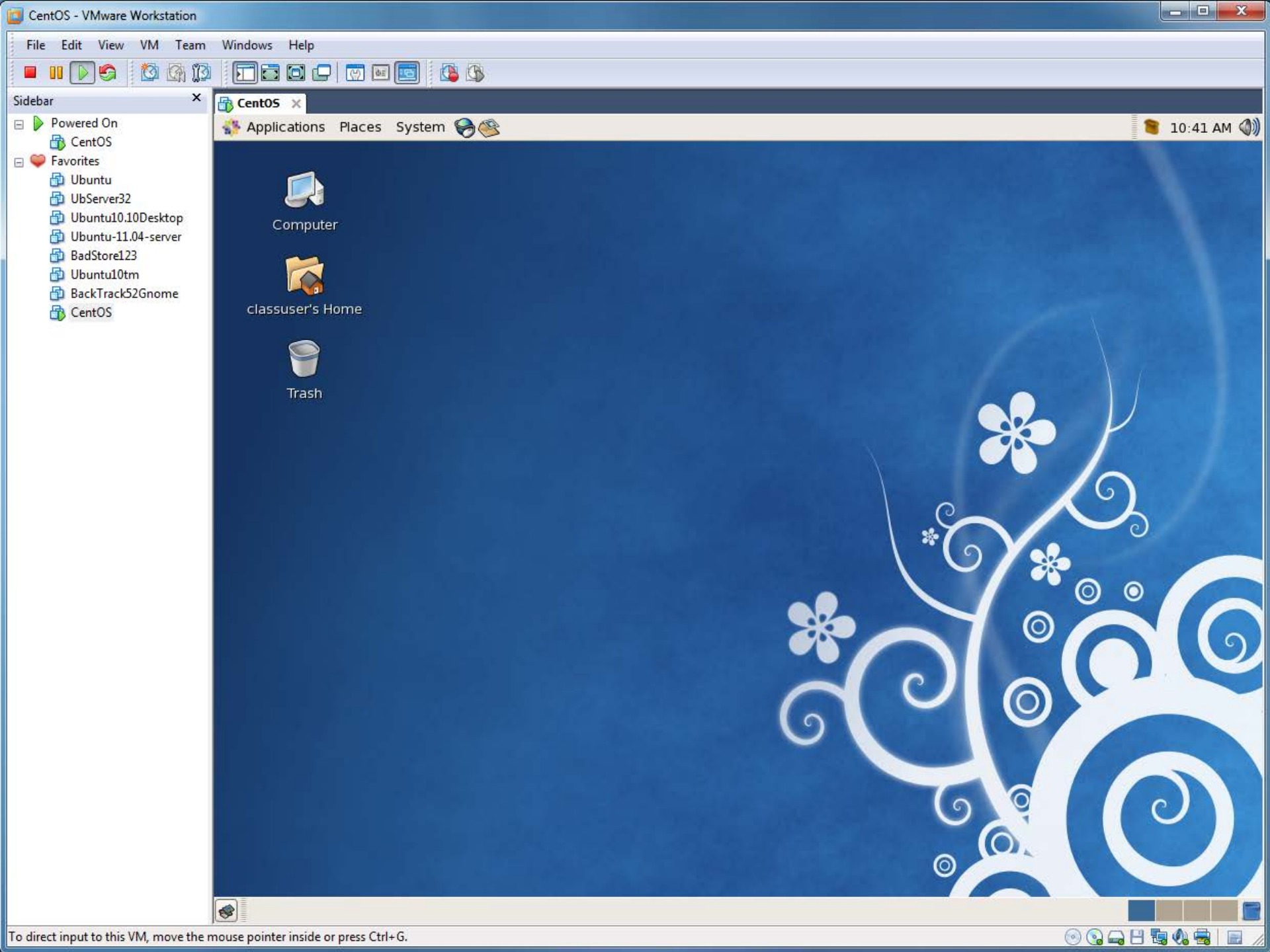


```
md: bitmap version 4.39
TCP bic registered
Initializing IPsec netlink socket
NET: Registered protocol family 1
NET: Registered protocol family 17
Using IPI No-Shortcut mode
ACPI: (supports S0 S1 S4 S5)
Initializing network drop monitor service
Freeing unused kernel memory: 232k freed
Write protecting the kernel read-only data: 417k
Time: tsc clocksource has been installed.

Greetings.
anaconda installer init version 11.1.2.250 starting
mounting /proc filesystem... done
creating /dev filesystem... done
mounting /dev/pts (unix98 pty) filesystem... done
mounting /sys filesystem... done
input: AT Translated Set 2 keyboard as /class/input/input0
input: ImPS/2 Generic Wheel Mouse as /class/input/input1
trying to remount root filesystem read write... done
mounting /tmp as ramfs... done
running install...
running /sbin/loader
```

Creating a VM







Guest Files on Host

| | | | |
|----------------------|--------------------|-----------------------|--------------|
| 564d89fe-9664-70b... | 9/19/2012 9:48 AM | File folder | |
| cache | 9/19/2012 10:37 AM | File folder | |
| CentOS.vmdk.lck | 9/19/2012 9:48 AM | File folder | |
| CentOS.vmx.lck | 9/19/2012 9:48 AM | File folder | |
| 564d89fe-9664-70b... | 9/19/2012 9:48 AM | VMEM File | 1,048,576 KB |
| CentOS.nvram | 9/19/2012 9:48 AM | VMware virtual m... | 9 KB |
| CentOS.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1 KB |
| CentOS.vmsd | 9/19/2012 9:48 AM | VMware snapshot ... | 0 KB |
| CentOS.vmx | 9/19/2012 9:48 AM | VMware virtual m... | 3 KB |
| CentOS.vmx | 9/19/2012 9:48 AM | VMware team me... | 4 KB |
| CentOS-s001.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,475,008 KB |
| CentOS-s002.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,468,480 KB |
| CentOS-s003.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 6,080 KB |
| CentOS-s004.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 117,184 KB |
| CentOS-s005.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,472 KB |
| CentOS-s006.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,344 KB |
| CentOS-s007.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,408 KB |
| CentOS-s008.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,344 KB |
| CentOS-s009.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,408 KB |
| CentOS-s010.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 1,344 KB |
| CentOS-s011.vmdk | 9/19/2012 9:48 AM | VMware virtual dis... | 64 KB |
| vmware.log | 9/19/2012 9:48 AM | Text Document | 153 KB |
| vprintproxy.log | 9/19/2012 9:48 AM | Text Document | 1 KB |






Documentation

CentOS

State: Powered off
Guest OS: CentOS
Location: E:\Virtual Machines\CentOS\CentOS.vmx
Version: Workstation 6.5-7.x virtual machine

Commands

-  Power on this virtual machine
-  Edit virtual machine settings
-  Enable ACE features (What is ACE?)












User name: classuser
Password: 4Comp175
Root password: 4Comp175

Notes

Username: classuser
Password: 4Comp175
Root password: 4Comp175

Devices

Options

| | | |
|---|------------------|-------------|
|  | Memory | 1024 MB |
|  | Processors | 1 |
|  | Hard Disk (SCSI) | 20 GB |
|  | CD/DVD (IDE) | Auto detect |
|  | CD/DVD 2 (IDE) | Auto detect |
|  | Floppy | Auto detect |
|  | Network Adapter | NAT |
|  | USB Controller | Present |
|  | Sound Card | Auto detect |
|  | Printer | Present |
|  | Display | Auto detect |



Clone

CentOS - VMware Workstation

File Edit View VM Team Windows Help

CentOS

State: Powered off
Guest OS: CentOS
Location: E:\Virtual Machines\CentOS\CentOS.vmx
Version: Workstation 6.5-7.x virtual machine

Clone 3.03GB
Clone (Zipped) 1.04GB

Commands

- Power on this virtual machine
- Edit virtual machine settings
- Enable ACE features

Notes

Username: classuser
Password: 4Comp175
Root password: 4Comp175

Cloning Virtual Machine

✓ Preparing clone operation

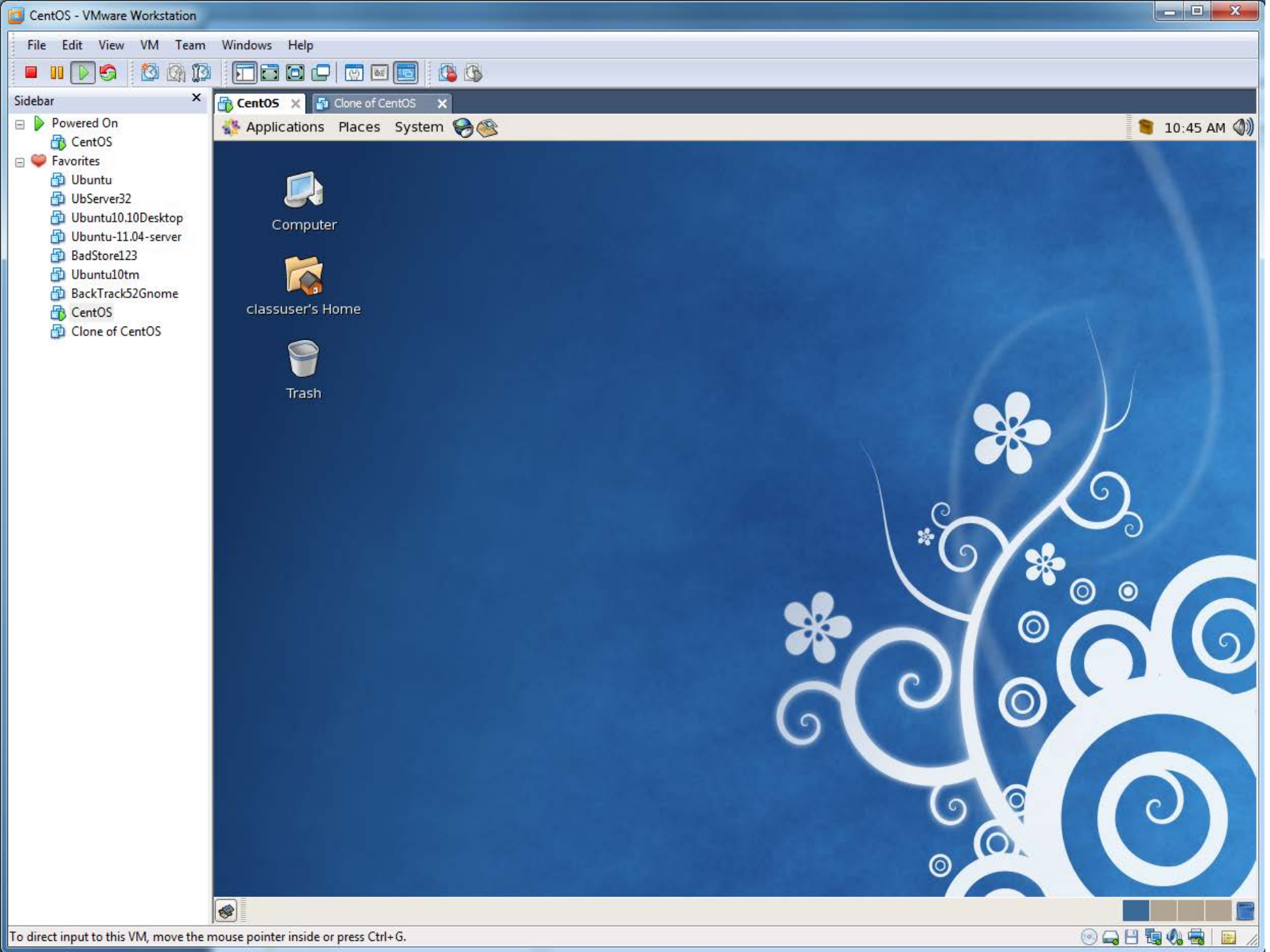
VMware Workstation

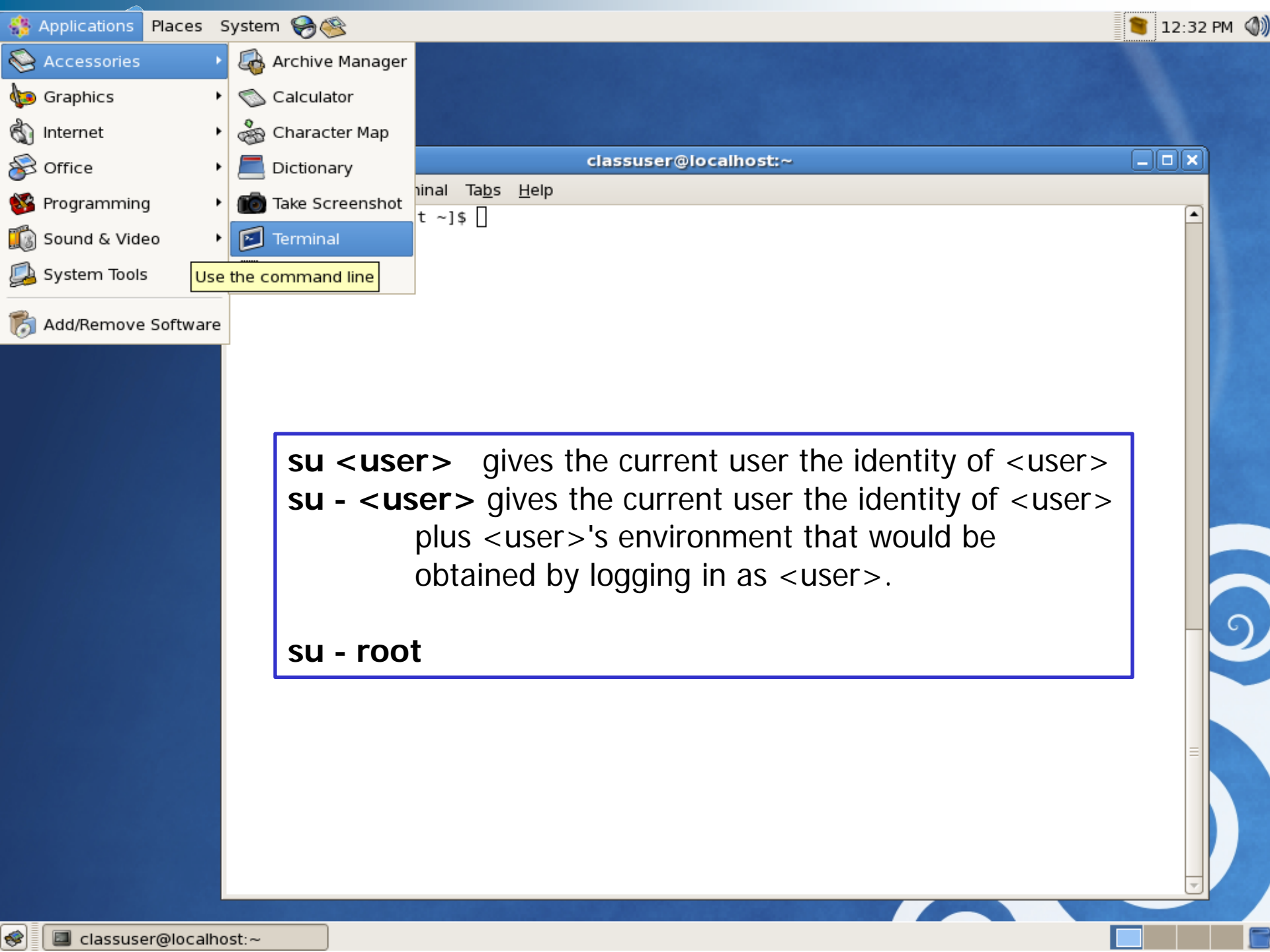
Cloning...

Cancel

Close







su <user> gives the current user the identity of <user>
su - <user> gives the current user the identity of <user>
plus <user>'s environment that would be
obtained by logging in as <user>.

su - root



Networking

```
# ifconfig
eth0 Link encap:Ethernet  HWaddr 00:0C:29:9E:83:34
      inet addr:192.168.149.130  Bcast:192.168.149.255
      Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
RX packets:1162 errors:0 dropped:0 overruns:0 frame:0
TX packets:1215 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:882218 (861.5 KiB)  TX bytes:89693 (87.5 KiB)
Interrupt:67 Base address:0x2024
```

- Bridged vs Natted IP address



Failed

- `sudo apt install net-tools`
- `ifconfig`

```
root@Jammy: /etc
root@Jammy:/etc# ifconfig
eno1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.0.126 netmask 255.255.255.0 broadcast 10.0.0.255
    inet6 fe80::362e:7d83:2ce8:ac77 prefixlen 64 scopeid 0x20<link>
    ether 2c:41:38:61:86:e7 txqueuelen 1000 (Ethernet)
    RX packets 289261 bytes 107146400 (107.1 MB)
    RX errors 0 dropped 12517 overruns 0 frame 0
    TX packets 101738 bytes 12010312 (12.0 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 17966 bytes 4419278 (4.4 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17966 bytes 4419278 (4.4 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlo1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 40:25:c2:7c:cb:60 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@Jammy:/etc#
```




Resources

- <http://wiki.centos.org/TipsAndTricks>
- <https://wiki.centos.org/HowTos/Virtualization/VirtualBox/CentOSguest>
- <https://virtualboxes.org/images/centos/>
- <http://www.osboxes.org/centos/> (careful)
- GIYF

Android VM

