Aim - Study NIST Modul of cloud computing

Theory - NIST is designed to accelerate CC proces They have surveyed existing standards and security to design current new standard.

NIST defines CC as a modul for enabling string of efficient computer resource. NIST long term goal is to provide leadership and guidance around CC.

Essential characteristic of cloud computing.
* On demand self-service
* Broad Network access
* Resource Pooling
* Rapid elasticity
* Measured service

There are following service models
* cloud software as a service (saas)
  Capable to provide application on cloud infrastructure

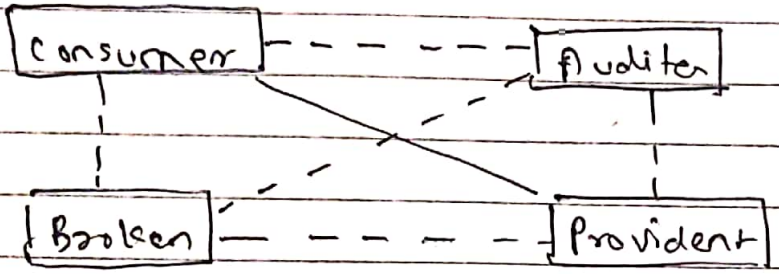
* cloud if as a server - provided to the consumer to deploy on cloud.

Teacher's Sign.: _____

Page No.
Date

* Cloud Infrastructure as a service (IaaS)
- capability provided to the consumer to deploy onto the cloud infrastructure

Deployment models are mainly four types.
→ Private cloud
→ Communities
→ Public
→ hybrid.



- Path b/w providers & consumers
-- Path b/w broker & consumers
--- Path for auditor

Cloud service Management includes all of the service-related functions that are necessary for the management and operation of the services required by or proposed to cloud consumers

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Cloud Service Management

Bussiness Support	Provision's config	Portability Intrable
Customer Mgmt	Rapid Provisiom	Data Portability
contract Mgmt	Resource change	Copy Data to & from
Inverting Mgmt	Monitoring Report	Bulk Data transfer
Accounting ↓ Billing	Meters	Service Interpreting
Reporting & Audity	SLA Management	System Protability
Pricing & Ration		VM Interface migration

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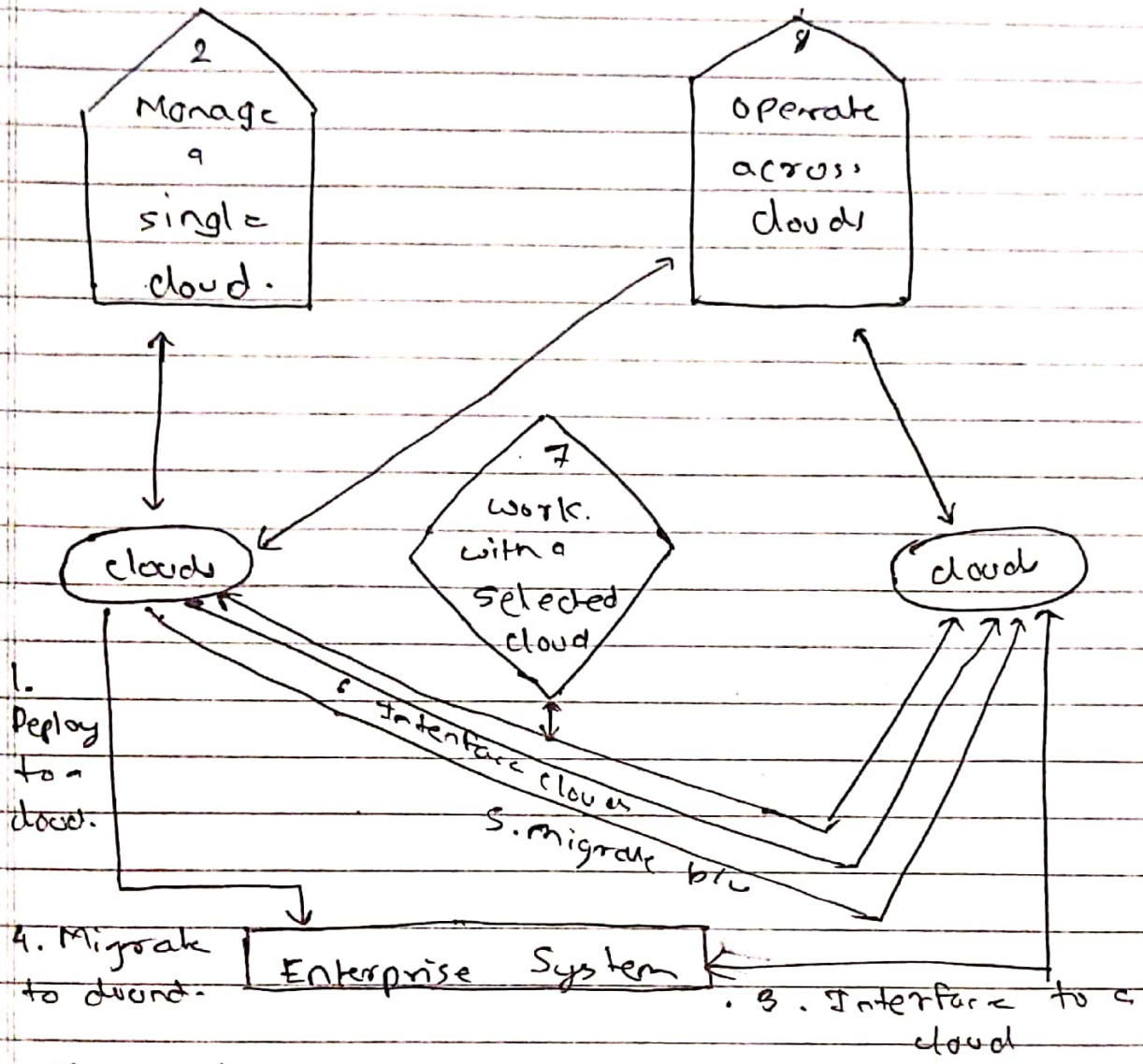
Deployment Scenario perspective



Single cloud -

Scenario 1 - Deployed to 1 cloud

Scenario 2 - Manage resource on a single cloud

Scenario 3 - Interface system to a single cloud.

Scenario 4 - Enterprise system migrated or replaced on a single cloud

Conclusion - Hence we have succesfully given info about various modules & scenarios

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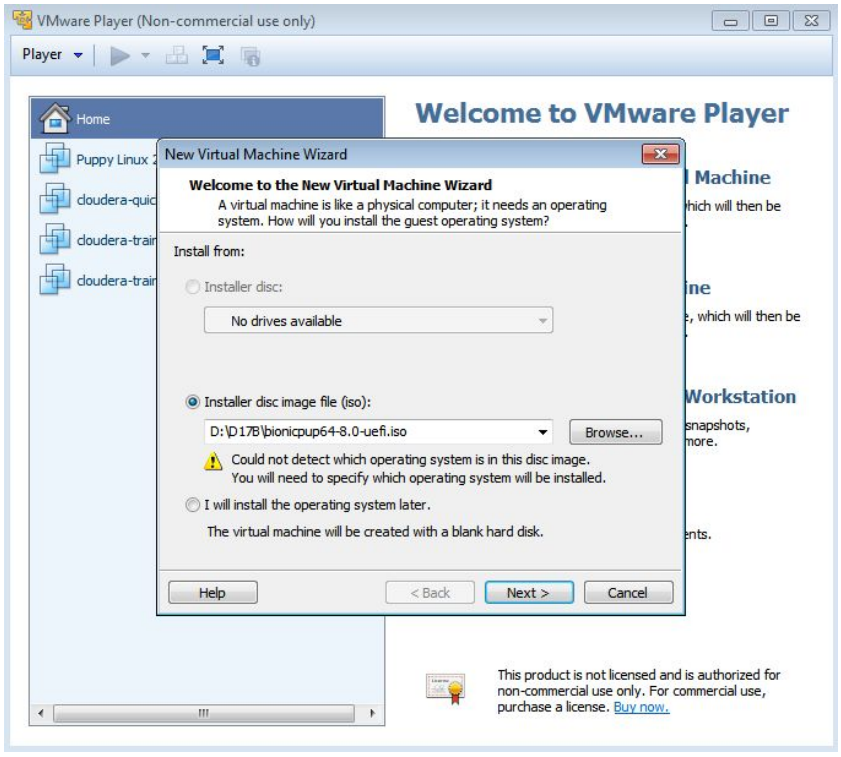
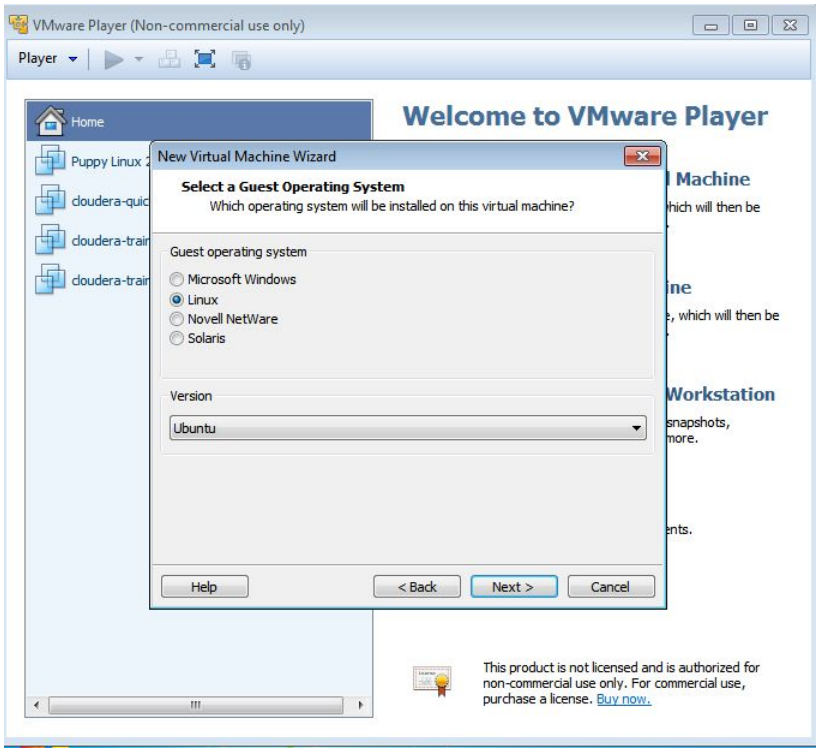
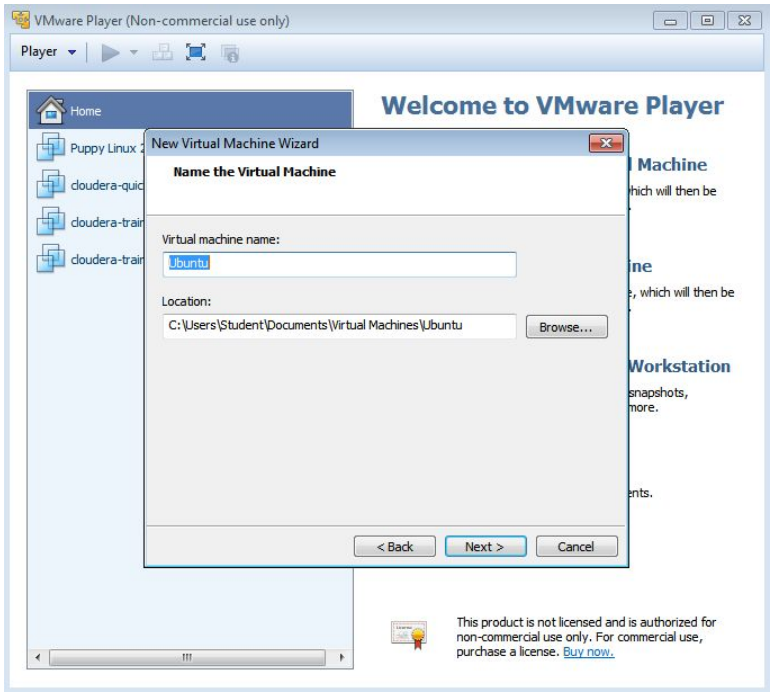
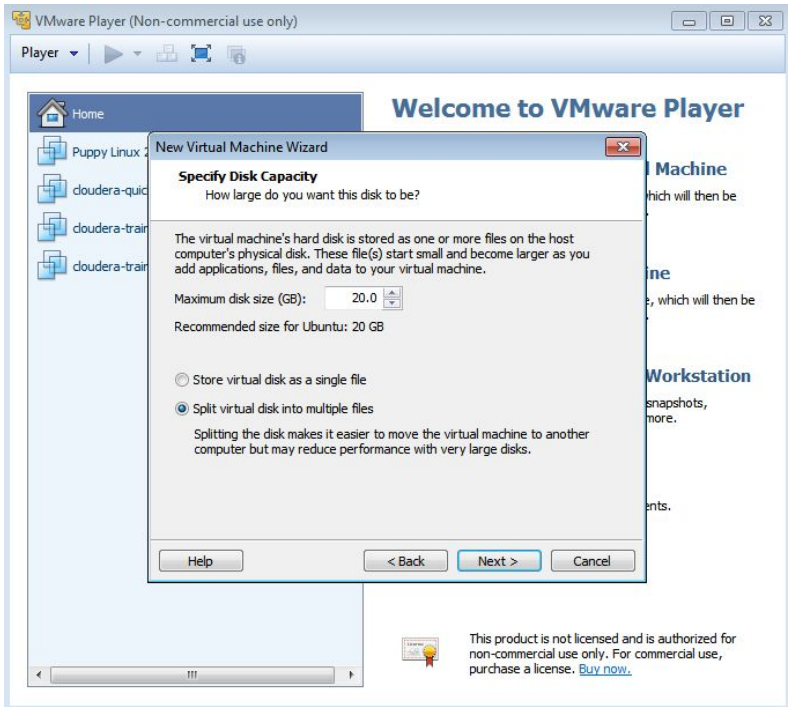
INSTALLATION






VMware Player (Non-commercial use only)
Player
Home
Welcome to VMware Player
Puppy Linux
cloudera-quic
cloudera-train
cloudera-train
New Virtual Machine Wizard
Name the Virtual Machine
Virtual machine name:
Ubuntu
Location:
C:\Users\Student\Documents\Virtual Machines\Ubuntu
Browse...
< Back
Next >
Cancel
Machine
which will then be
ine
, which will then be
Workstation
snapshots,
more.
nts.
This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. Buy now.


VMware Player (Non-commercial use only)
Player
Home
Welcome to VMware Player
Puppy Linux
cloudera-quic
cloudera-train
cloudera-train
New Virtual Machine Wizard
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 size (GB):
20.0
Recommended size for Ubuntu: 20 GB
Store virtual disk as a single file
Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.
Help
< Back
Next >
Cancel
Machine
which will then be
ine
, which will then be
Workstation
snapshots,
more.
nts.
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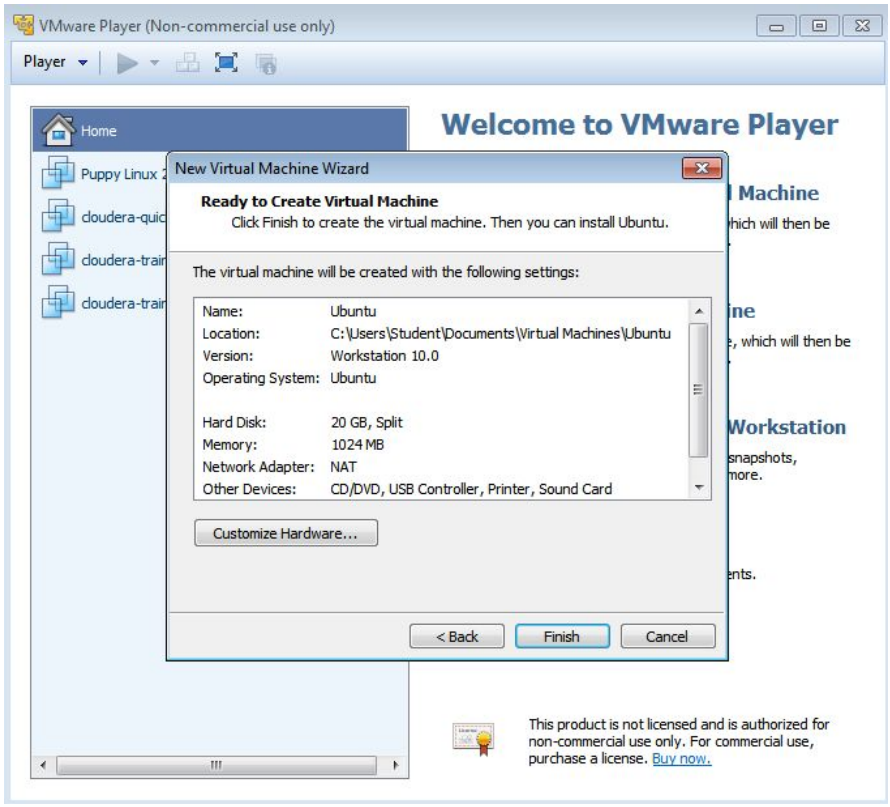
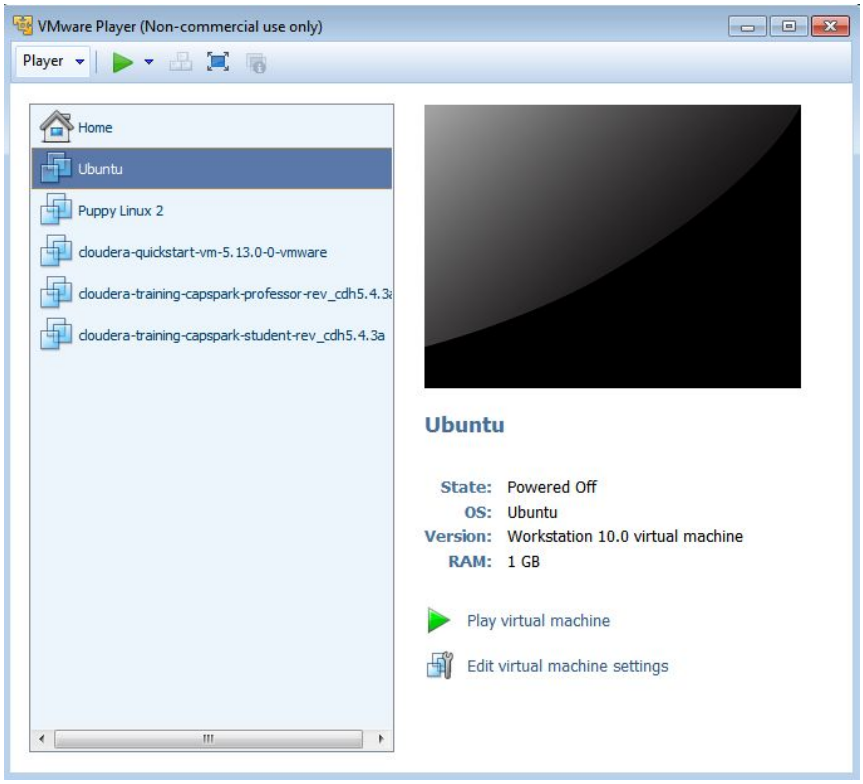
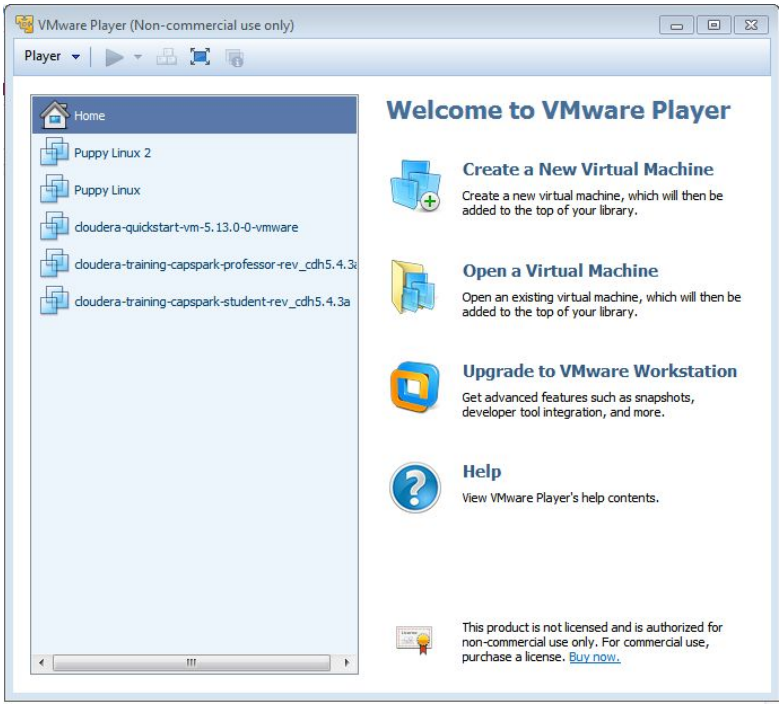

VMware Player (Non-commercial use only)
Player
Home
Welcome to VMware Player
New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine. Then you can install Ubuntu.
The virtual machine will be created with the following settings:
Name: Ubuntu
Location: C:\Users\Student\Documents\Virtual Machines\Ubuntu
Version: Workstation 10.0
Operating System: Ubuntu
Hard Disk: 20 GB, Split
Memory: 1024 MB
Network Adapter: NAT
Other Devices: CD/DVD, USB Controller, Printer, Sound Card
Customize Hardware...
< Back
Finish
Cancel
This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. Buy now.


VMware Player (Non-commercial use only)
Player
Home
Ubuntu
Puppy Linux 2
cloudera-quickstart-vm-5.13.0-0-vmware
cloudera-training-capspark-professor-rev_cdh5.4.3
cloudera-training-capspark-student-rev_cdh5.4.3a
Ubuntu
State: Powered Off
OS: Ubuntu
Version: Workstation 10.0 virtual machine
RAM: 1 GB
Play virtual machine
Edit virtual machine settings


VMware Player (Non-commercial use only)
Player
Home
Puppy Linux 2
Puppy Linux
cloudera-quickstart-vm-5.13.0-0-vmware
cloudera-training-capspark-professor-rev_cdh5.4.3a
cloudera-training-capspark-student-rev_cdh5.4.3a
Welcome to VMware Player
Create a New Virtual Machine
Create a new virtual machine, which will then be added to the top of your library.
Open a Virtual Machine
Open an existing virtual machine, which will then be added to the top of your library.
Upgrade to VMware Workstation
Get advanced features such as snapshots, developer tool integration, and more.
Help
View VMware Player's help contents.
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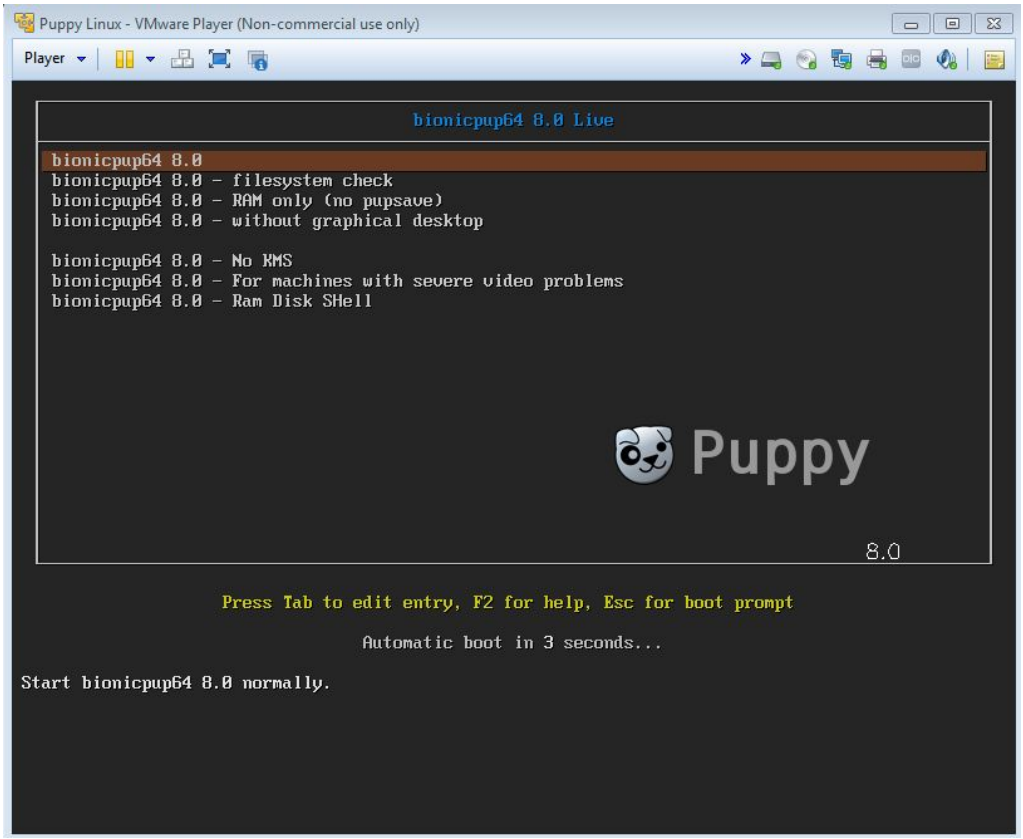
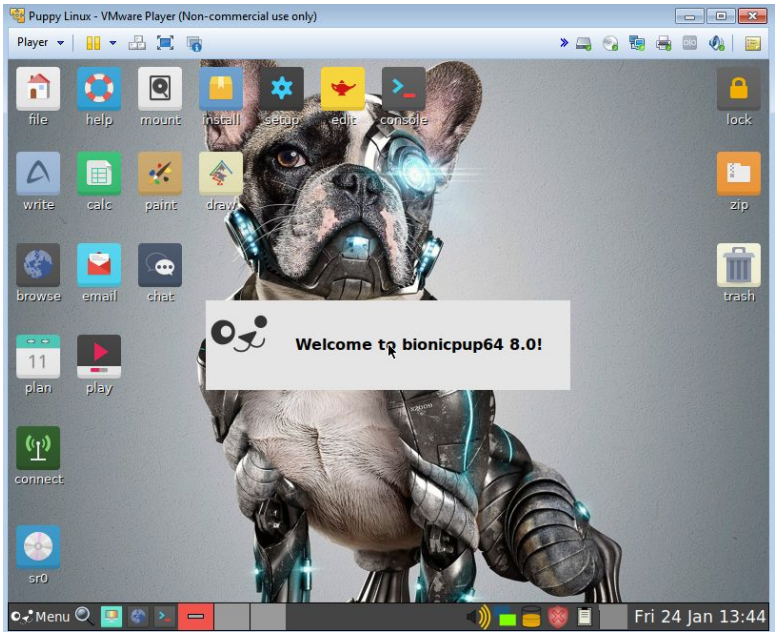
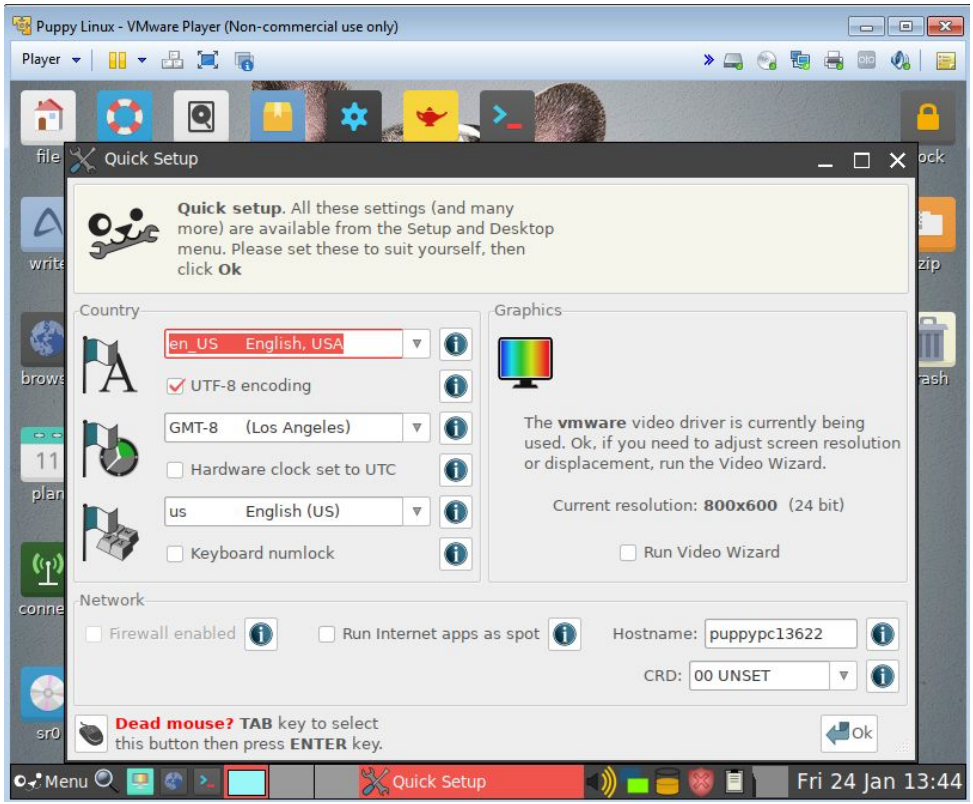
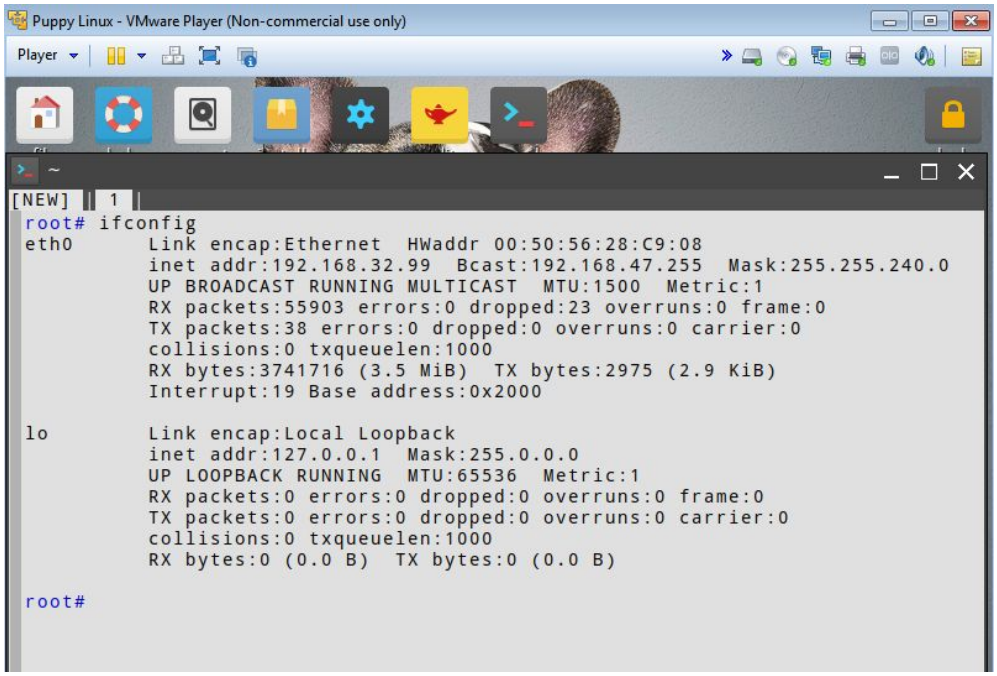
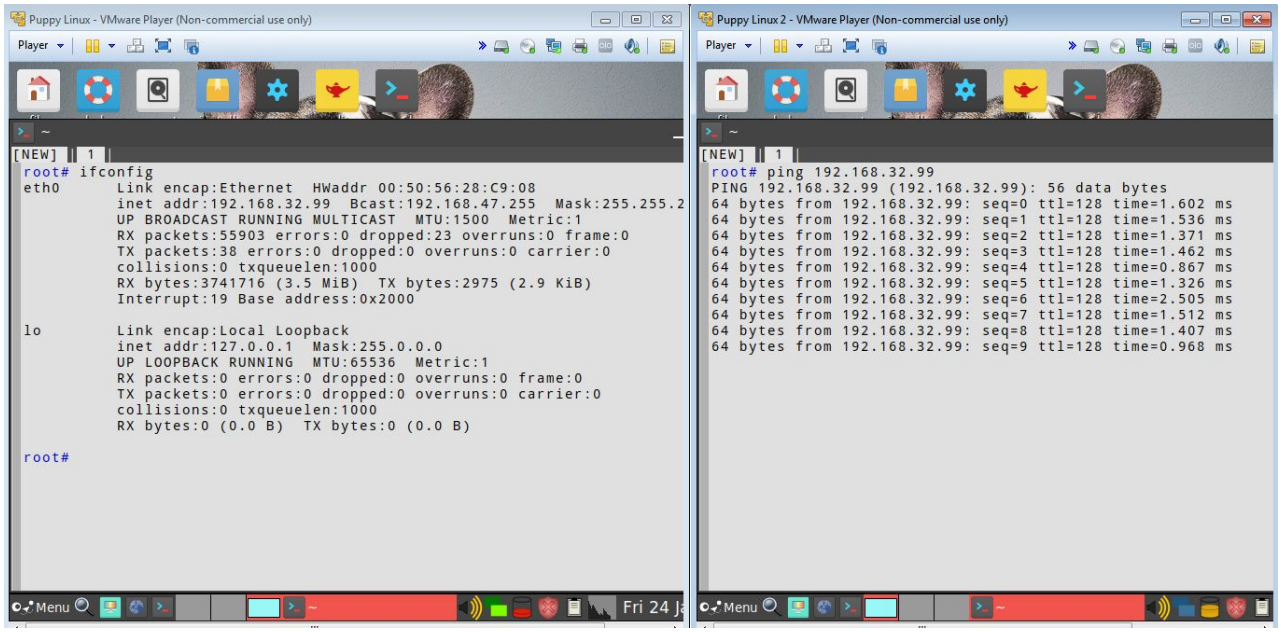

Puppy Linux - VMware Player (Non-commercial use only)
Player
bionicpup64 8.0 Live
bionicpup64 8.0
bionicpup64 8.0 - filesystem check
bionicpup64 8.0 - RAM only (no pupsave)
bionicpup64 8.0 - without graphical desktop
bionicpup64 8.0 - No KMS
bionicpup64 8.0 - For machines with severe video problems
bionicpup64 8.0 - Ram Disk SHell
Puppy
8.0
Press Tab to edit entry, F2 for help, Esc for boot prompt
Automatic boot in 3 seconds...
Start bionicpup64 8.0 normally.


Puppy Linux - VMware Player (Non-commercial use only)
Player
file
help
mount
install
setup
edit
console
lock
write
calc
paint
draw
zip
browse
email
chat
trash
plan
play
connect
sr0
Welcome to bionicpup64 8.0!
Menu
Fri 24 Jan 13:44

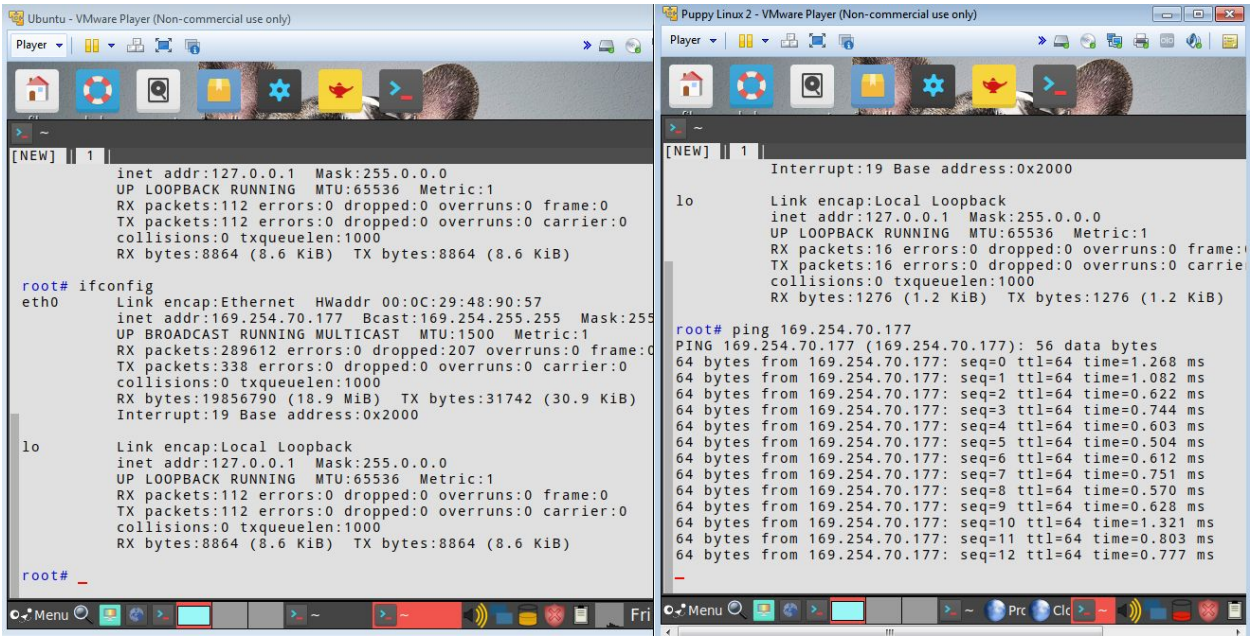

Puppy Linux - VMware Player (Non-commercial use only)
Player
Quick Setup
Quick setup. All these settings (and many more) are available from the Setup and Desktop menu. Please set these to suit yourself, then click Ok
Country
en_US English, USA
UTF-8 encoding
GMT-8 (Los Angeles)
Hardware clock set to UTC
us English (US)
Keyboard numlock
Graphics
The vmware video driver is currently being used. Ok, if you need to adjust screen resolution or displacement, run the Video Wizard.
Current resolution: 800x600 (24 bit)
Run Video Wizard
Network
Firewall enabled
Run Internet apps as spot
Hostname: puppypc13622
CRD: 00 UNSET
Dead mouse? TAB key to select this button then press ENTER key.
Ok
Menu
Quick Setup
Fri 24 Jan 13:44

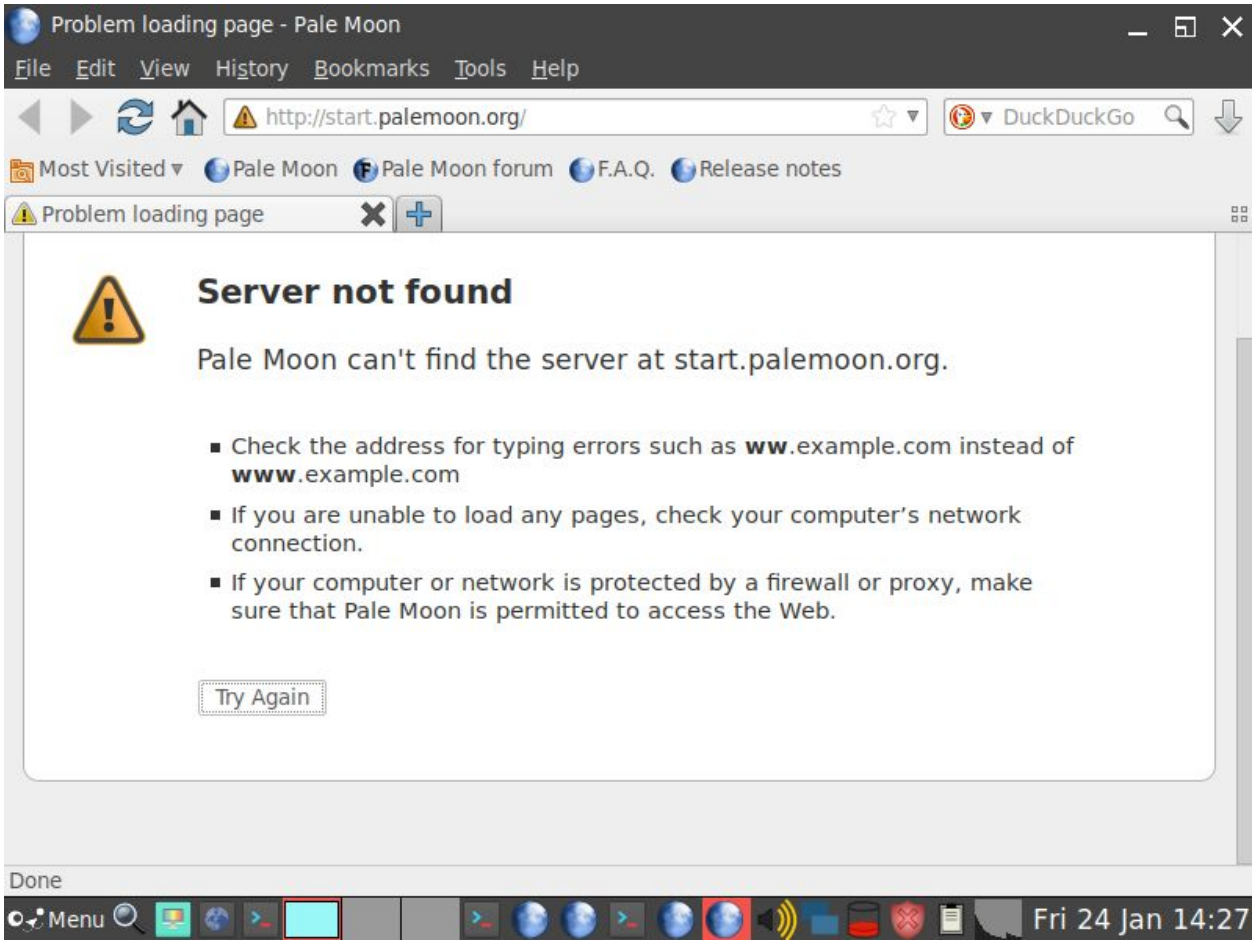

Puppy Linux - VMware Player (Non-commercial use only)
Player
[NEW] 1
root# ifconfig
eth0 Link encap:Ethernet HWaddr 00:50:56:28:C9:08
inet addr:192.168.32.99 Bcast:192.168.47.255 Mask:255.255.240.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:55903 errors:0 dropped:23 overruns:0 frame:0
TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:3741716 (3.5 MiB) TX bytes:2975 (2.9 KiB)
Interrupt:19 Base address:0x2000
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
root#

NAT

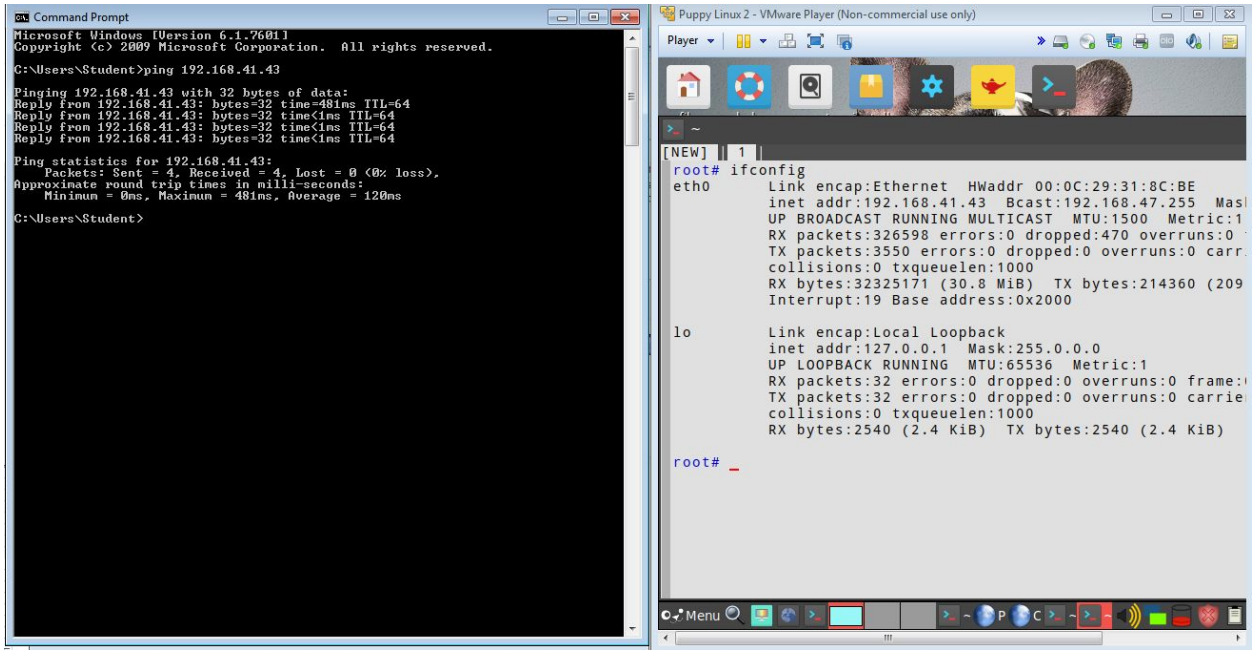

Puppy Linux - VMware Player (Non-commercial use only)
Player
[NEW] 1
root# ifconfig
eth0 Link encap:Ethernet HWaddr 00:50:56:28:C9:08
inet addr:192.168.32.99 Bcast:192.168.47.255 Mask:255.255.2
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:55903 errors:0 dropped:23 overruns:0 frame:0
TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:3741716 (3.5 MiB) TX bytes:2975 (2.9 KiB)
Interrupt:19 Base address:0x2000
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
root#
Menu
Fri 24
Puppy Linux 2 - VMware Player (Non-commercial use only)
Player
[NEW] 1
root# ping 192.168.32.99
PING 192.168.32.99 (192.168.32.99): 56 data bytes
64 bytes from 192.168.32.99: seq=0 ttl=128 time=1.602 ms
64 bytes from 192.168.32.99: seq=1 ttl=128 time=1.536 ms
64 bytes from 192.168.32.99: seq=2 ttl=128 time=1.371 ms
64 bytes from 192.168.32.99: seq=3 ttl=128 time=1.462 ms
64 bytes from 192.168.32.99: seq=4 ttl=128 time=0.867 ms
64 bytes from 192.168.32.99: seq=5 ttl=128 time=1.326 ms
64 bytes from 192.168.32.99: seq=6 ttl=128 time=2.505 ms
64 bytes from 192.168.32.99: seq=7 ttl=128 time=1.512 ms
64 bytes from 192.168.32.99: seq=8 ttl=128 time=1.407 ms
64 bytes from 192.168.32.99: seq=9 ttl=128 time=0.968 ms
Menu

HOST ONLY


Ubuntu - VMware Player (Non-commercial use only)
Player
[NEW] 1
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:112 errors:0 dropped:0 overruns:0 frame:0
TX packets:112 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:8864 (8.6 KiB) TX bytes:8864 (8.6 KiB)
root# ifconfig
eth0 Link encap:Ethernet HWaddr 00:0C:29:48:90:57
inet addr:169.254.70.177 Bcast:169.254.255.255 Mask:255
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:289612 errors:0 dropped:207 overruns:0 frame:0
TX packets:338 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:19856790 (18.9 MiB) TX bytes:31742 (30.9 KiB)
Interrupt:19 Base address:0x2000
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:112 errors:0 dropped:0 overruns:0 frame:0
TX packets:112 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:8864 (8.6 KiB) TX bytes:8864 (8.6 KiB)
root#
Menu
Puppy Linux 2 - VMware Player (Non-commercial use only)
Player
[NEW] 1
Interrupt:19 Base address:0x2000
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:16 errors:0 dropped:0 overruns:0 frame:
TX packets:16 errors:0 dropped:0 overruns:0 carrie
collisions:0 txqueuelen:1000
RX bytes:1276 (1.2 KiB) TX bytes:1276 (1.2 KiB)
root# ping 169.254.70.177
PING 169.254.70.177 (169.254.70.177): 56 data bytes
64 bytes from 169.254.70.177: seq=0 ttl=64 time=1.268 ms
64 bytes from 169.254.70.177: seq=1 ttl=64 time=1.082 ms
64 bytes from 169.254.70.177: seq=2 ttl=64 time=0.622 ms
64 bytes from 169.254.70.177: seq=3 ttl=64 time=0.744 ms
64 bytes from 169.254.70.177: seq=4 ttl=64 time=0.603 ms
64 bytes from 169.254.70.177: seq=5 ttl=64 time=0.504 ms
64 bytes from 169.254.70.177: seq=6 ttl=64 time=0.612 ms
64 bytes from 169.254.70.177: seq=7 ttl=64 time=0.751 ms
64 bytes from 169.254.70.177: seq=8 ttl=64 time=0.570 ms
64 bytes from 169.254.70.177: seq=9 ttl=64 time=0.628 ms
64 bytes from 169.254.70.177: seq=10 ttl=64 time=1.321 ms
64 bytes from 169.254.70.177: seq=11 ttl=64 time=0.803 ms
64 bytes from 169.254.70.177: seq=12 ttl=64 time=0.777 ms
Menu


Problem loading page - Pale Moon
File Edit View History Bookmarks Tools Help
http://start.palemoon.org/
DuckDuckGo
Most Visited
Pale Moon
Pale Moon forum
F.A.Q.
Release notes
Problem loading page
Server not found
Pale Moon can't find the server at start.palemoon.org.
Check the address for typing errors such as ww.example.com instead of www.example.com
If you are unable to load any pages, check your computer's network connection.
If your computer or network is protected by a firewall or proxy, make sure that Pale Moon is permitted to access the Web.
Try Again
Done
Menu
Fri 24 Jan 14:27

BRIDGED


Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\Student>ping 192.168.41.43
Pinging 192.168.41.43 with 32 bytes of data:
Reply from 192.168.41.43: bytes=32 time=481ms TTL=64
Reply from 192.168.41.43: bytes=32 time<1ms TTL=64
Reply from 192.168.41.43: bytes=32 time<1ms TTL=64
Reply from 192.168.41.43: bytes=32 time<1ms TTL=64
Ping statistics for 192.168.41.43:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 481ms, Average = 120ms
C:\Users\Student>
Puppy Linux 2 - VMware Player (Non-commercial use only)
Player
[NEW] 1
root# ifconfig
eth0 Link encap:Ethernet HWaddr 00:0C:29:31:8C:BE
inet addr:192.168.41.43 Bcast:192.168.47.255
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:326598 errors:0 dropped:470 overruns:0
TX packets:3550 errors:0 dropped:0 overruns:0
collisions:0 txqueuelen:1000
RX bytes:32325171 (30.8 MiB) TX bytes:214360
Interrupt:19 Base address:0x2000
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:32 errors:0 dropped:0 overruns:0
TX packets:32 errors:0 dropped:0 overruns:0
collisions:0 txqueuelen:1000
RX bytes:2540 (2.4 KiB) TX bytes:2540 (2.4 KiB)
root#
Menu