Introducing the most powerful tool to create, share and practice Networking Lab with multi-vendors.

Download Now

Step 01
Download and Deploy

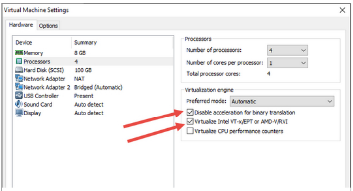
Step 02
Register and Login

Step 03
Go to store

Step 04
Get Lab and Learn

✓ Step 01

Download the **.ova** file and deploy on virtualization platforms such as VirtualBox, VMWare,...



Virtual Machine Settings

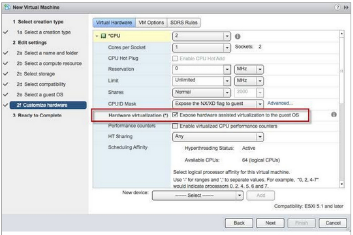
Hardware | Options

Device	Summary
Memory	8 GB
Processors	4
Hard Disk (SCSI)	100 GB
Network Adapter	NAT
Network Adapter 2	Bridged (Automatic)
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Processors
Number of processors: 4
Number of cores per processor: 1
Total processor cores: 4

Virtualization engine
Preferred mode: Automatic
☑ Disable acceleration for binary translation
☑ Virtualize Intel VT-x/EPT or AMD-V/RVI
☐ Virtualize CPU performance counters

Enable virtualization on Vmware



New Virtual Machine

1 Select creation type
✓ 1a Select a creation type
2 Edit settings
✓ 2a Select a name and folder
✓ 2b Select a compute resource
✓ 2c Select storage
✓ 2d Select compatibility
✓ 2e Select a guest OS
✓ 2f Customize hardware
3 Ready to Complete

Virtual Hardware | VM Options | SDRS Rules

*CPU: 2
Cores per Socket: 1 Sockets: 2
CPU Hot Plug: ☐ Enable CPU Hot Add
Reservation: 0 MHz
Limit: Unlimited MHz
Shares: Normal 2000
CPUID Mask: Expose the NX/XD flag to guest Advanced...
Hardware virtualization (*): ☑ Expose hardware assisted virtualization to the guest OS
Performance counters: ☐ Enable virtualized CPU performance counters
HT Sharing: Any
Scheduling Affinity: Hyperthreading Status: Active
Available CPUs: 64 (logical CPUs)
Select logical processor affinity for this virtual machine.
Use '-' for ranges and ',' to separate values. For example, "0, 2, 4-7" would indicate processors 0, 2, 4, 5, 6 and 7.

New device: ------- Select ------- Add

Compatibility: ESXi 5.1 and later

Back
Next
Finish
Cancel

Enable virtualization on ESXI

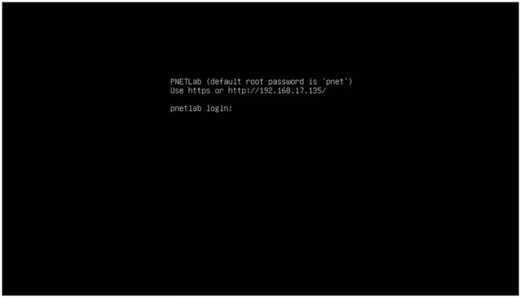
Link Download	MD5 Checksum	Size
Link Download PNET 4.2.10 Google Drive		2G
Link Download PNET 4.2.10 Google Drive (Backup 1)		2G
Link Download PNET 4.2.10 Mega (Backup 2)		2G

> ***Note***
>
> - *You must enable Virtualization to run Qemu Node.*
> - *You have to make sure Virtualization is enabled in your BIOS*
> - *If Virtualization is not enabled you will meet this warning on the console screen: **WARNING: neither Intel VT-x or AMD-V found***

✓ Step 02: Register and Login

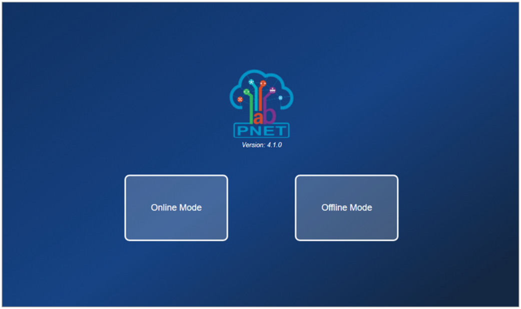
- Access to your box by a browser (through IP address in your **PNETLab** box - in my case, the IP address is: **192.168.17.135**)
- Login by default account: **root/pnet** then complete the initial setup process. If you don't have any idea about any field just leave it default
- After finish the initial setup, If you want to use Online Mode you need to check the connection to internet.

> - *To check internet connection run commands: ping pnetlab.com; ping user.pnetlab.com, ping uploader.pnetlab.com, ping docker.io*
> - *In case you can not ping to internet, please try:*
>   - *Reset network adapter of virtualization platform* ***(Vmware: Edit > Virtual network Editor > Restore Default)***
>   - *Disable then enable virtual network card on your window* ***(Vmware: vmnet 1 and vmnet 8)***
>   - *Use only one virtualization platform* ***(Vmware: uninstall virtualbox or hyper-v)***



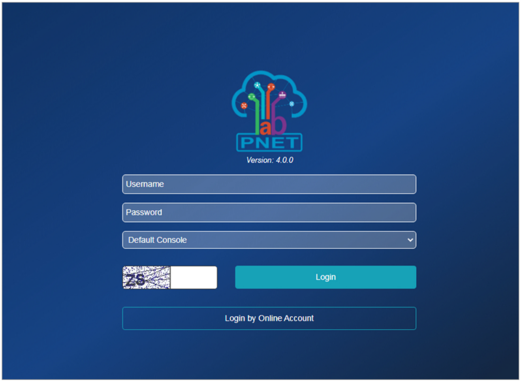
```
PNETLab (default root password is 'pnet')
Use https or http://192.168.17.135/

pnetlab login:
```

- You'll be linked to the ***Login*** form.

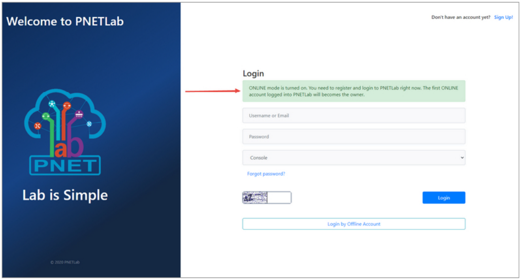

lab
PNET
Version: 4.1.0
Online Mode
Offline Mode

> ***Note:***
>
> *There are two options, you can log in:* ***Online*** *and* ***Offline*** *mode (for more detail you can check this link:* ***https://pnetlab.com/pages/documentation?slug=system-mode-in-pnetlab****)*
>
> ***Offline Mode:***
>
> - *Don't need internet to work*
> - *Don't need to register. Login by default account:* ***admin/pnet***
> - *Support full functions of PNETLab*
> - *You can only download and use Open Labs (The Labs with "Open" in the top) on the Store*
> - *You can not share or sell lab to the Store*
> - *Limit 10 accounts (Can be upgraded but require internet)*
>
> ***Online Mode***
>
> - *Need internet to work*
> - *Need to register.*
> - *Support full functions of PNETLab*
> - *You can download and use all Labs on the Store*
> - *You can share or sell lab to the Store*
> - *Limit 10 accounts (Can be upgraded)*

- **If you select OFFLINE MODE:** Just login by default account: **admin/pnet** then go to next steps.

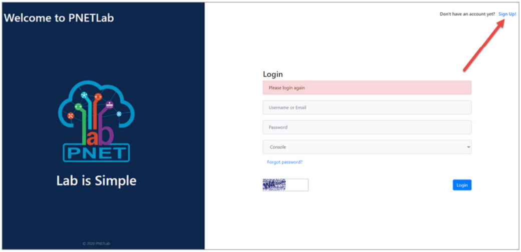

PNET
Version: 4.0.0
Username
Password
Default Console
Login
Login by Online Account

- **If Select Online Mode:** You need to create an account. **Make sure your PNETLab can connect to internet.**


Welcome to PNETLab
PNET
Lab is Simple
© 2020 PNETLab
Don't have an account yet? Sign Up!
Login
Username or Email
Password
Console
Forgot password?
Login
Login by Offline Account

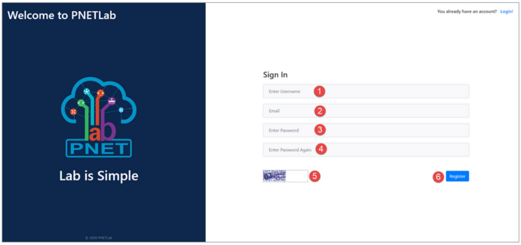
ONLINE mode is turned on. You need to register and login to PNETLab right now. The first ONLINE account logged into PNETLab will becomes the owner.

- If you still not have an account click on ***Sign Up***.

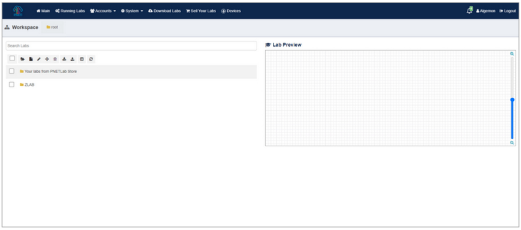

Welcome to PNETLab
PNET
Lab is Simple
© 2020 PNETLab
Don't have an account yet? Sign Up!
Login
Username or Email
Password
Console
Forgot password?
Login

Please login again

- Fill in the **Sign In** form and click **Register.** A confirmation email will be sent to your email address **in 2-3 minutes**. Click the **Verify button to complete your registration**.

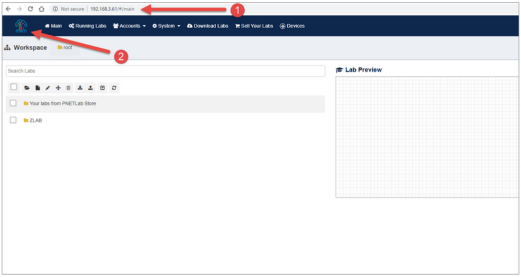

Welcome to PNETLab
PNET
Lab is Simple
© 2020 PNETLab
You already have an account? Login!
Sign In
Enter Username
1
Email
2
Enter Password
3
Enter Password Again
4
5
6
Register

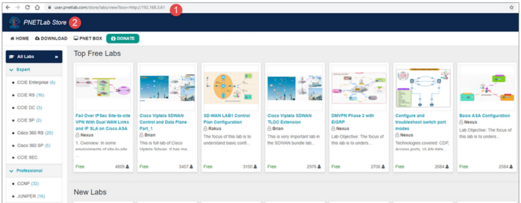
- After that, you can log into the **PNETLab** box and you can use hundreds of free labs


Main
Running Labs
Accounts
System
Download Labs
Sell Your Labs
Devices
Algemon
Logout
Workspace
root
Search Labs
Your labs from PNETLab Store
ZLAB
Lab Preview

✔ Step 03: Go to Store

- After login to **PNETLab Box** from Vmware (with your IP address), Click to **logo PNETLab** then you will go to **PNETLab Store**


Not secure | 192.168.3.61/#/main
1
Main
Running Labs
Accounts
System
Download Labs
Sell Your Labs
Devices
2
Workspace
root
Search Labs
Your labs from PNETLab Store
ZLAB
Lab Preview

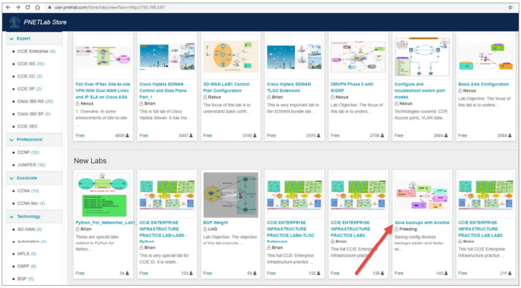

user.pnetlab.com/store/labs/view?box=http://192.168.3.61
1
PNETLab Store
2
HOME
DOWNLOAD
PNET BOX
DONATE
All Labs
Expert
CCIE Enterprise (6)
CCIE RS (16)
CCIE DC (3)
CCIE SP (2)
Cisco 360 RS (20)
Cisco 360 SP (5)
CCIE SEC
Professional
CCNP (32)
JUNIPER (16)
Top Free Labs
Fail Over IPSec Site-to-site VPN With Dual WAN Links and IP SLA on Cisco ASA
Nexus
1. Overview: In some environments of site-to-site ...
Free
4809
Cisco Viptela SDWAN Control and Data Plane Part_1
Brian
This is full lab of Cisco Viptela Sdwan. It has ma...
Free
3457
SD-WAN LAB1 Control Plan Configuration
Rakus
The focus of this lab is to understand basic confi...
Free
3150
Cisco Viptela SDWAN TLOC Extension
Brian
This is very important lab in the SDWAN bundle lab...
Free
2976
DMVPN Phase 3 with EIGRP
Nexus
Lab Objective: The focus of this lab is to unders...
Free
2706
Configure and troubleshoot switch port modes
Nexus
Technologies covered: CDP, Access ports, VLAN data...
Free
2684
Basic ASA Configuration
Nexus
Lab Objective: The focus of this lab is to unders...
Free
2584
New Labs

Associate
CCNA (13)
CCNA Sec (4)
Technology
SD-WAN (5)
Automation (4)
MPLS (5)
OSPF (6)
Python_For_Networker_Lab1
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB-LAB5 - Python
BGP Weight
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB4-TLOC Extension
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB3
Save backups with Ansible
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB2

Note: There are a lot of Labs from Store, and All labs are free, when you download a lab, you will get Lab file, workbook and IOS (Go to Step 4 for more detail).

✔ Step 04: Get Lab and Learn

- From **PNETLab Store**, choose a lab as you want to practice (Example: Save Backups with Ansible)


user.pnetlab.com/store/labs/view?box=http://192.168.3.61
PNETLab Store
Expert
CCIE Enterprise (6)
CCIE RS (16)
CCIE DC (3)
CCIE SP (2)
Cisco 360 RS (20)
Cisco 360 SP (5)
CCIE SEC
Professional
CCNP (32)
JUNIPER (16)
Associate
CCNA (13)
CCNA Sec (4)
Technology
SD-WAN (5)
Automation (4)
MPLS (5)
OSPF (6)
BGP (5)
Fail Over IPSec Site-to-site VPN With Dual WAN Links and IP SLA on Cisco ASA
Cisco Viptela SDWAN Control and Data Plane Part_1
SD-WAN LAB1 Control Plan Configuration
Cisco Viptela SDWAN TLOC Extension
DMVPN Phase 3 with EIGRP
Configure and troubleshoot switch port modes
Basic ASA Configuration
New Labs
Python_For_Networker_Lab1
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB-LAB5 - Python
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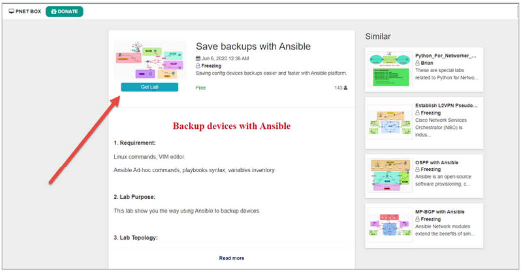
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB4-TLOC Extension
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB3
Save backups with Ansible
CCIE ENTERPRISE INFRASTRUCTURE PRACTICE LAB2
Free

- Click to **Get Lab** button


PNET BOX
DONATE
Get Lab
Similar
Python_For_Networker_...
Establish L2VPN Pseudo...
OSPF with Ansible
MP-BGP with Ansible
Read more

Save backups with Ansible

Jun 6, 2020 12:36 AM

Freezing

Saving config devices backups easier and faster with Ansible platform.

Free 143

Backup devices with Ansible

1. Requirement:

Linux commands, VIM editor.

Ansible Ad-hoc commands, playbooks syntax, variables inventory.

2. Lab Purpose:

This lab show you the way using Ansible to backup devices.

3. Lab Topology:

- Then click to **Download** button (Lab is included: **lab file (unl), and workbook**)
- ***Note***: PNETLab does not provide IOS anymore so you can not see any Dependency packages. All nodes in the lab will not be able to start, to fix please refer: **LINK**

Main
Running Labs
Accounts
System
Download Labs
Sell Your Labs
Devices

Lab name: Save backups with Ansible