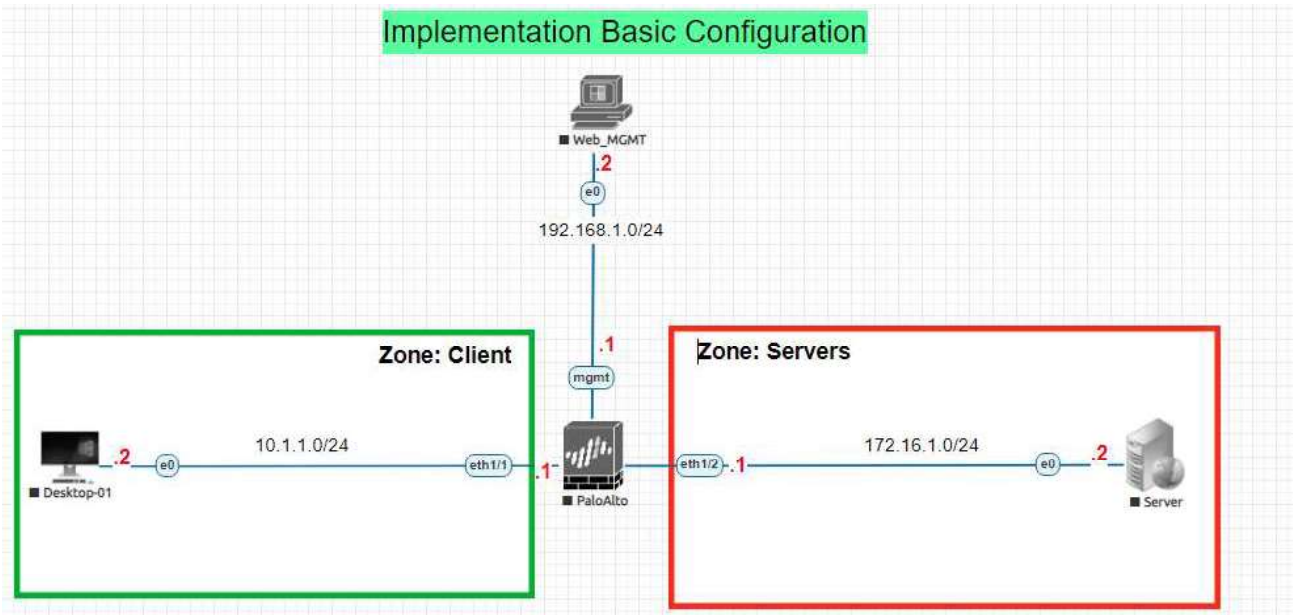


## LAB – Implementation Basic Configuration

\* LAB Topology:



### LAB Objective:

- Build the network and configuration basic Firewall PaloAlto
- Configuration Policies at Firewalls PaloAlto:
  - o Desktop-01 can ping to Server success.
  - o Desktop-01 can ssh to Server success

**Detail information**

<b>List Device</b>	<b>Interface</b>	<b>IP</b>
Desktop-01	Ethernet 1	IP: 10.1.1.2/24 GW: 10.1.1.1
Server	Ethernet 1	IP: 172.16.1.2/24 GW: 172.16.1.1
Firewall PaloAlto	MGMT	192.168.1.1/24
	Ethernet 1/1 ZONE: Clients	10.1.1.1/24
	Ethernet ½ ZONE: Servers	172.16.1.1/24
Web_MGMT	Ethernet 1	IP: 192.168.1.2/24 GW: 192.168.1.1

**Guild Step-by-Step:**

**Step 1:** Turn on Lab Device

Menu > Setup Nodes > Start all nodes

← → ↻ Not secure | 192.168.10.210/legacy/Fortigate/PaloAlto%20Static%20Routing.unl/topology

Google Translate Telegram Web ISP Inbox | Crisp Dynamips

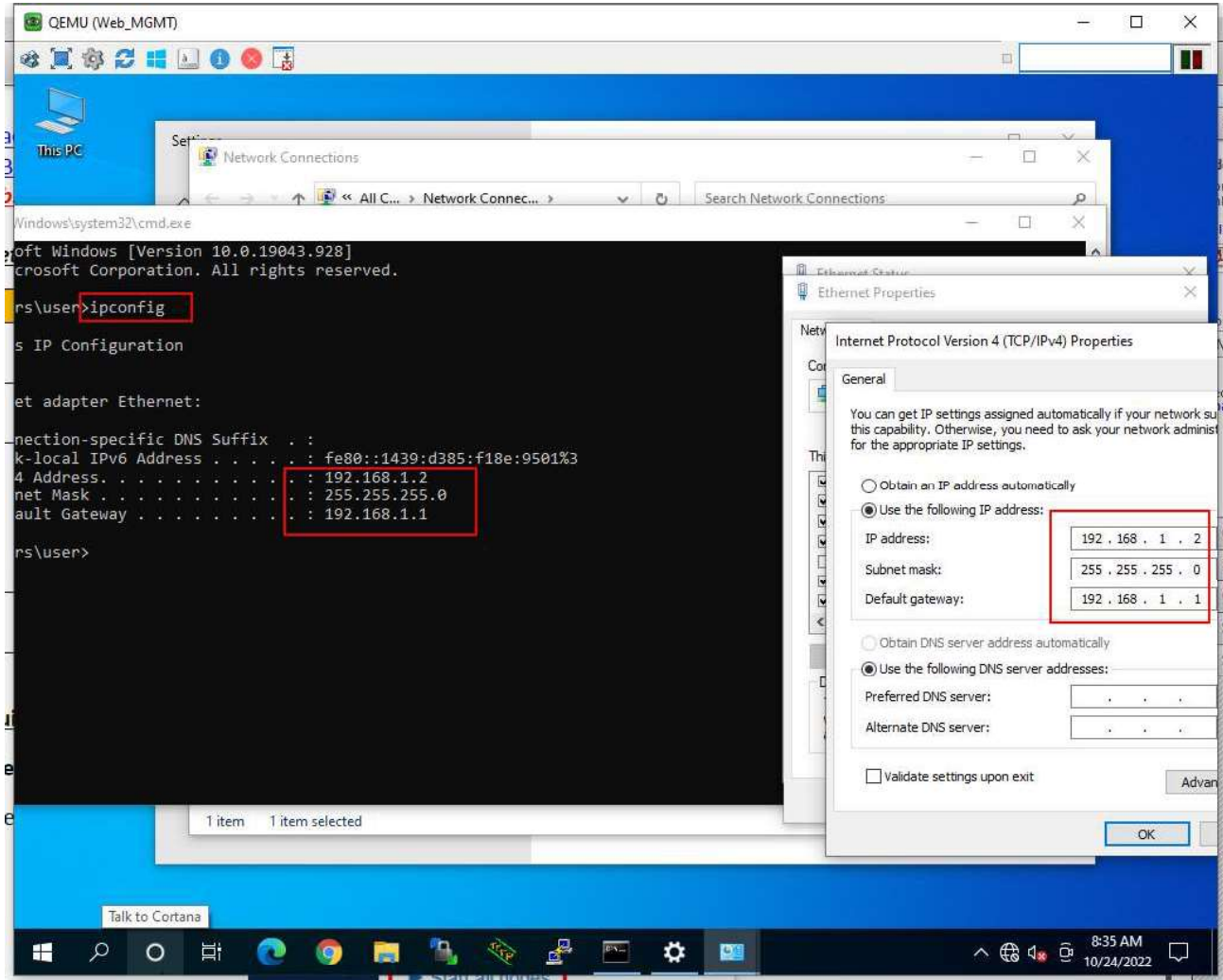
### PaloAlto Networks LAB

The diagram illustrates a network lab setup. A central node, PaloAlto-A, is connected to a Web-MGMT node. PaloAlto-A has a management interface (mgmt) and two Ethernet interfaces (eth1/1 and eth1/2). Web-MGMT has two Ethernet interfaces (e0 and e1). A green dashed box labeled 'Inside A' encloses the PaloAlto-A node and its connections. A red dashed box labeled 'Outside' encloses the Web-MGMT node and its connections. A dark menu is overlaid on the left side of the diagram, with the 'Start all nodes' option highlighted in a red box.

- ➕ Add an object
- 🏠 Nodes
- ↔ Networks
- ☰ Startup-configs
- ⚠ Configured objects
- 🗄 more actions
  - ▶ Start all nodes
  - Stop all nodes
  - 🗑 Wipe all nodes
  - Console To All Nodes
  - 📄 Export all CFGs
  - ✍ Edit lab
  - ⚡ Set nodes startup-cfg to exported
  - ✖ Set nodes startup-cfg to none
  - 🗑 Delete all startup-cfg

**Step 2:** Verify status of devices, Device need have “Blue” color as picture

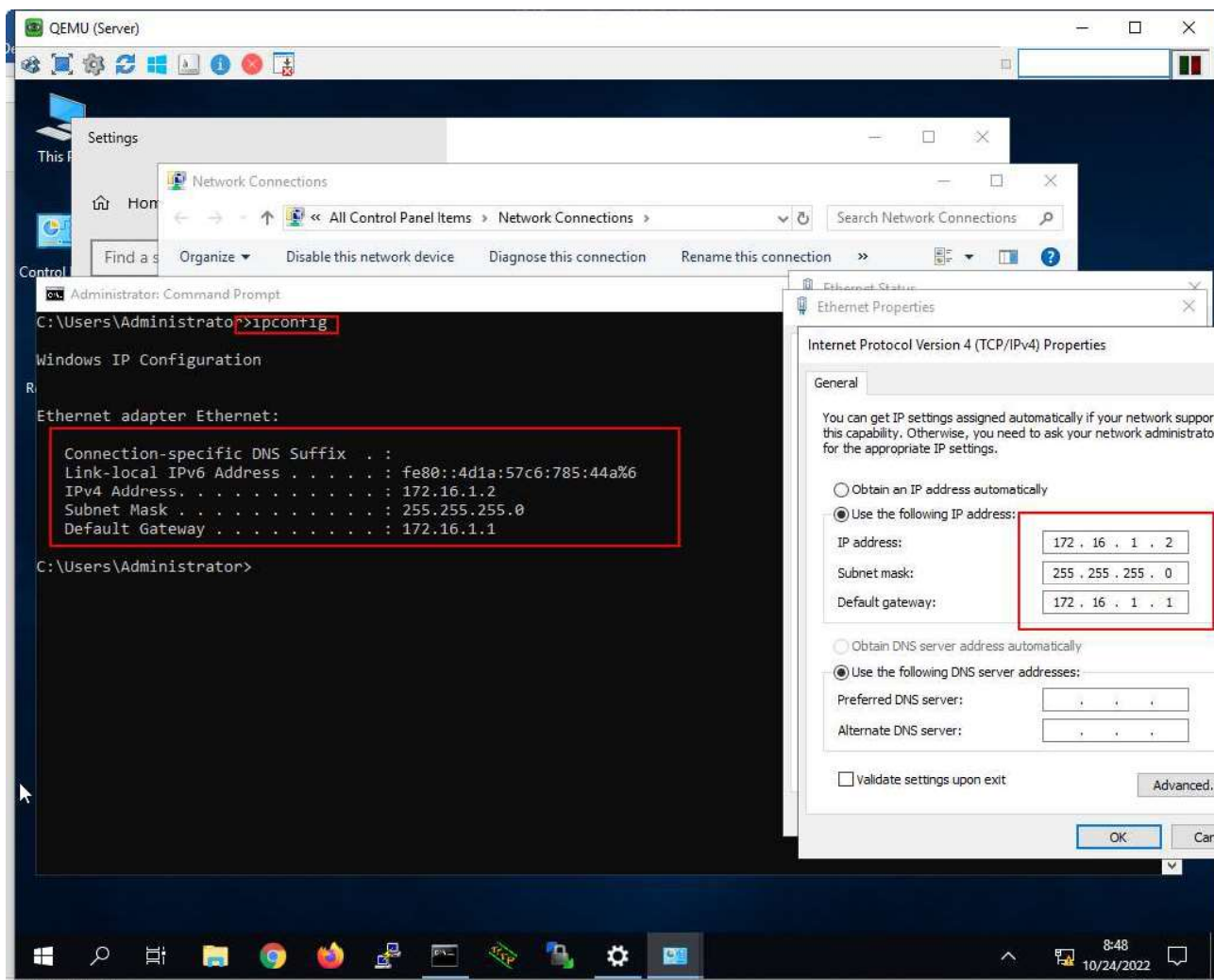
- Double click into “Desktop-01” and add the desired ip (table ip)



→ So, you can see Desktop have IP as requirement

**step 4:** verify configuration of “Server”

Login information  
Username: administrator / Password: Test123



Type command: “ipconfig”

→ So, you can see Server have IP as requirement

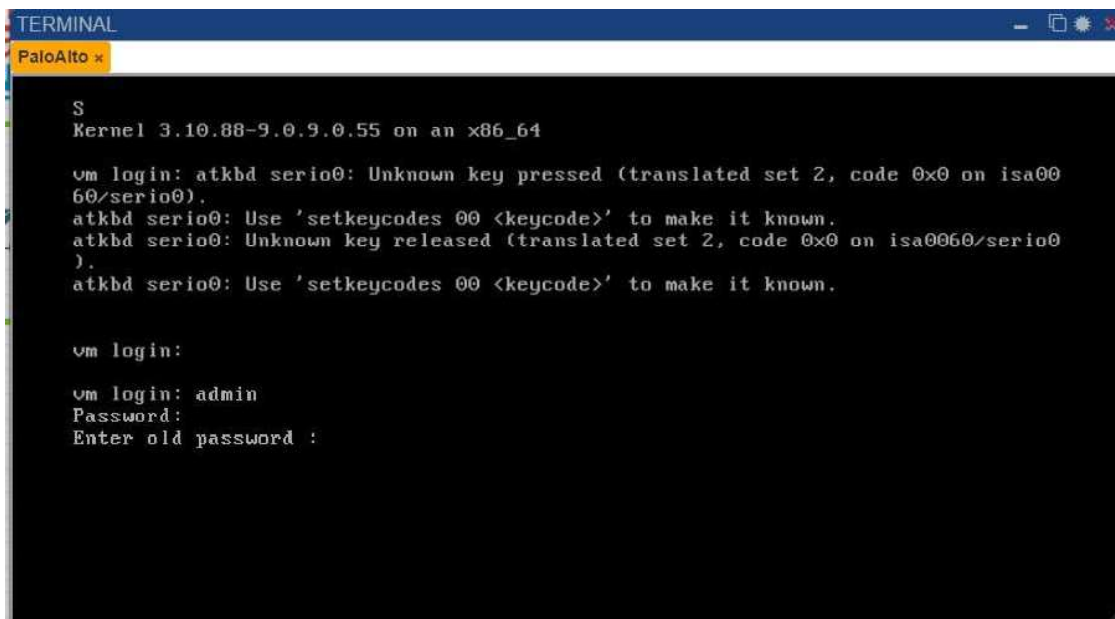
**>>>> Configuration PaloAlto via CLI <<<<<**

**Step 4: access into Paloalto's CLI**

**Username: admin**

**Password: admin**

When you login success into firewall Paloalto via CLI, Device request you must be change admin password as following.



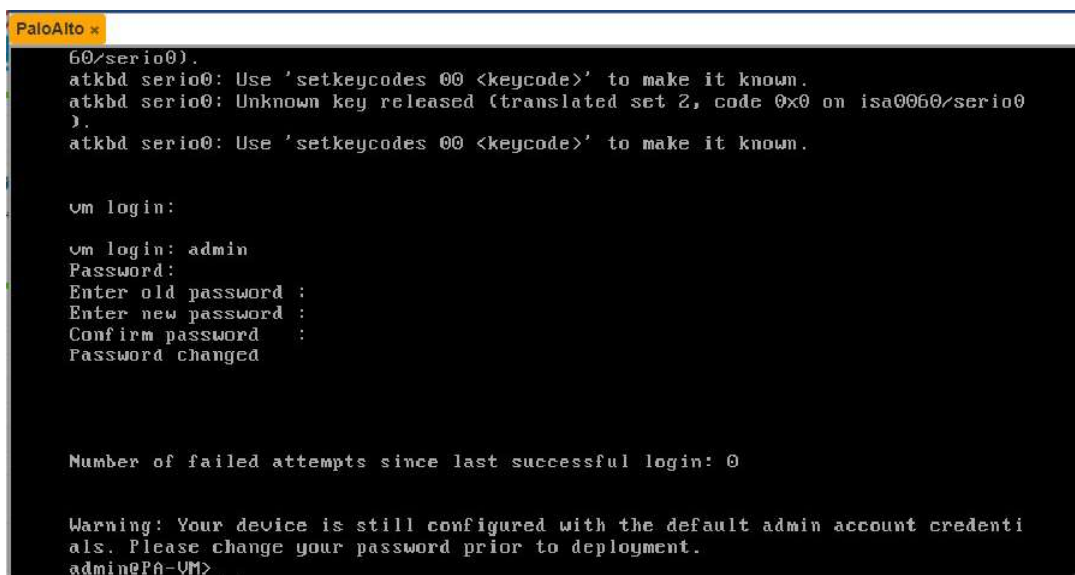
```
TERMINAL
PaloAlto x
$
Kernel 3.10.88-9.0.9.0.55 on an x86_64

vm login: atkbd serio0: Unknown key pressed (translated set 2, code 0x0 on isa0060/serio0).
atkbd serio0: Use 'setkeycodes 00 <keycode>' to make it known.
atkbd serio0: Unknown key released (translated set 2, code 0x0 on isa0060/serio0).
atkbd serio0: Use 'setkeycodes 00 <keycode>' to make it known.

vm login:

vm login: admin
Password:
Enter old password :
```

You should be take note <<password>>. You need it for login with Firewalls PaloAlto via GUI.



```
PaloAlto x
60/serio0).
atkbd serio0: Use 'setkeycodes 00 <keycode>' to make it known.
atkbd serio0: Unknown key released (translated set 2, code 0x0 on isa0060/serio0).
atkbd serio0: Use 'setkeycodes 00 <keycode>' to make it known.

vm login:

vm login: admin
Password:
Enter old password :
Enter new password :
Confirm password :
Password changed

Number of failed attempts since last successful login: 0

Warning: Your device is still configured with the default admin account credentials. Please change your password prior to deployment.
admin@PA-VM> _
```

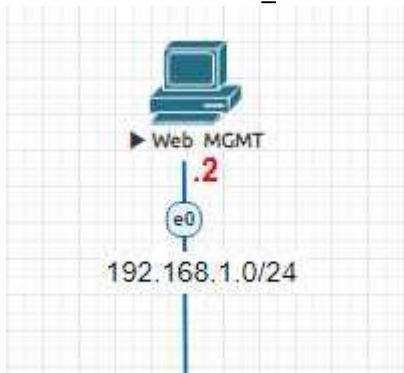
**Bước 5:** set IP MGMT PaloAlto Firewall

Command	Detail
admin@PA-VM>	// User mode
admin@PA-VM> configure	// moving to configuration mode
<pre>admin@PA-VM&gt; configure Entering configuration mode [edit] admin@PA-VM# _</pre>	
admin@PA-VM# set deviceconfig system type static	// change mode from DHCP Client to Static
<pre>admin@PA-VM# set deviceconfig system type static  [edit] admin@PA-VM#</pre>	
admin@PA-VM# set device config system ip-address 192.168.1.1 netmask 255.255.255.0	// Set IP Address for Interface MGMT
<pre>admin@PA-VM# set deviceconfig system ip-address 192.168.1.1 netmask 255.255.255.0  [edit] admin@PA-VM# _</pre>	
admin@PA-VM# commit	// apply configuration to running-config.xml
<pre>admin@PA-VM# commit  Commit job 2 is in progress. Use Ctrl+C to return to command prompt .....55%.75%.98%.....100% Configuration committed successfully  [edit] admin@PA-VM#</pre>	

**>>>> Configuration PaloAlto firewall via GUI <<<<<**

**Bước 6:**

- Double-click "Web\_MGMT"

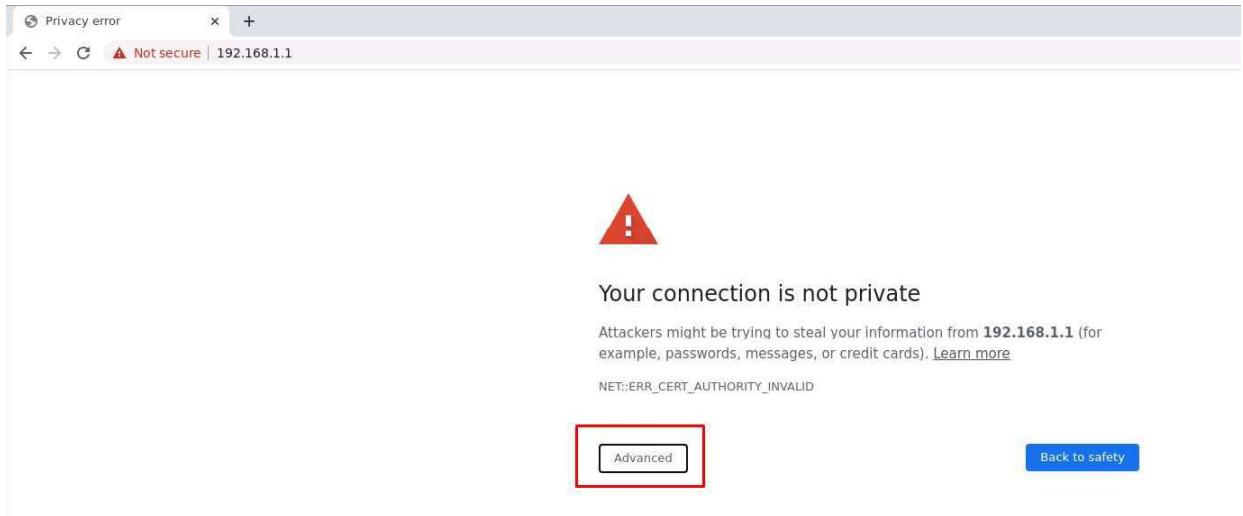


- Login into Firewall GUI via Web browser with address as following:

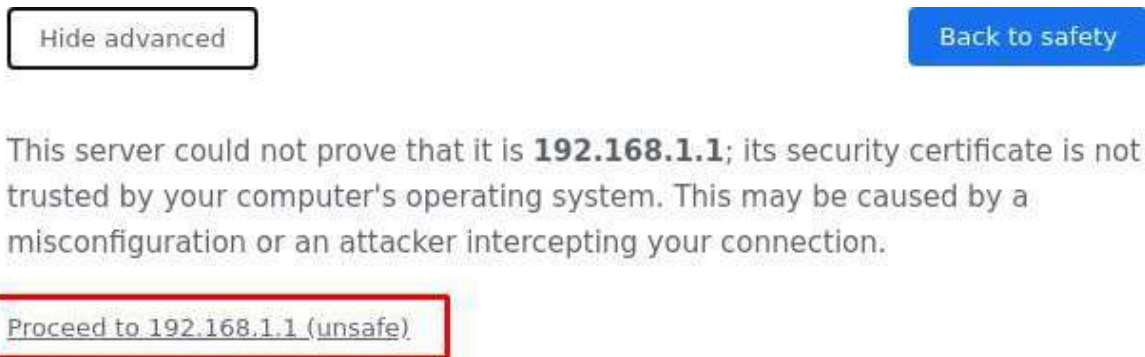
*https://192.168.1.1*



- When you access by https into device have a issue with certification, we need bypass it. Select "Advanced"

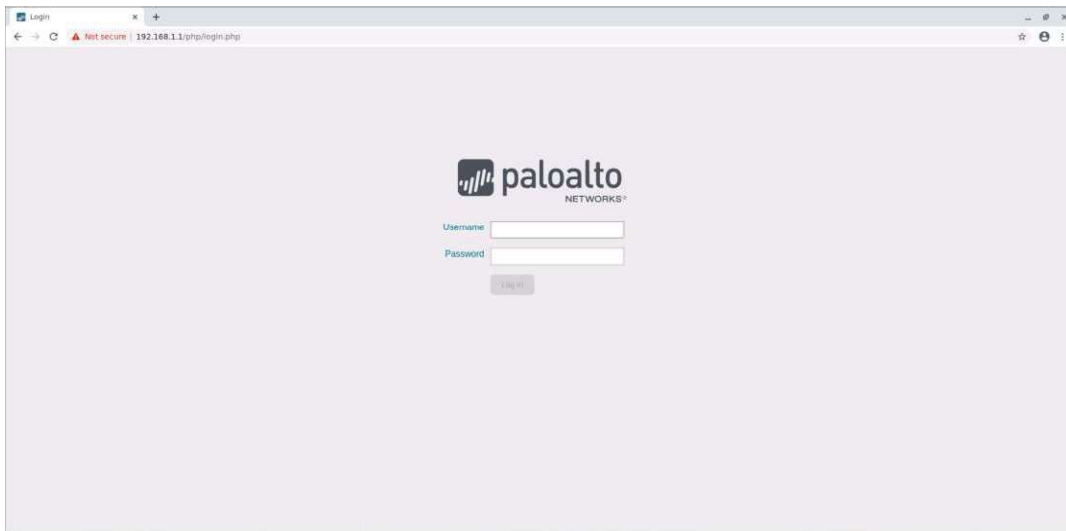


- click "proceed to 192.168.1.1 (unsafe)"





- This is login page into PaloAlto Firewalls via GUI



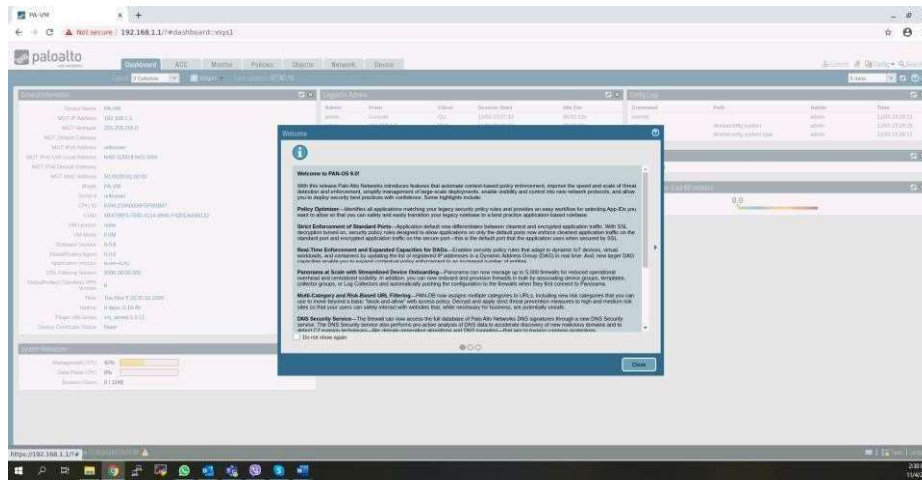
**Step 7:** Login into firewall with <<password>> you have changed at "step4"



- click "login", and waiting here



- and you can see Web Interface of Paloalto as picture



- check "Do not show again" > click "Close"

