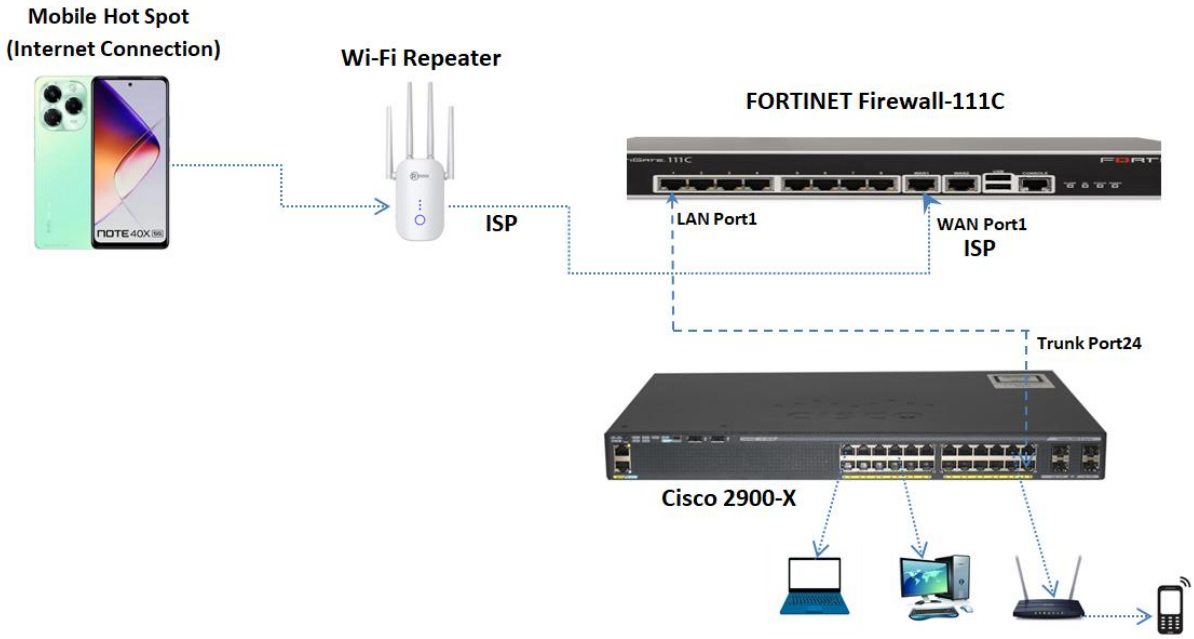
Fortinet-111c Full Configuration



FortiGate 111C (Old Firmware) Basic Configuration Command

System & Hardware Information

- get system status

> Shows firmware version, serial number, license status, uptime, hostname, etc.

- get system performance status

> Displays CPU, memory, and session count — used for performance checks.

- diagnose hardware deviceinfo cpu

> Detailed CPU information.

- diagnose hardware deviceinfo memory

> Detailed RAM usage information.

- get hardware status

> Shows hardware model, FortiASIC chip info, and interface summary.

Interface Details

- show system interface

> Displays configuration of all interfaces (LAN, WAN, switch, DMZ).

- get system interface

> Shows live interface status, IP addresses, link up/down, and speed.

- diagnose netlink interface list

> Real-time interface statistics and link information.

Routing Information

- show router static

> Displays all static routes (gateway configuration).

- get router info routing-table all

> Shows the complete routing table — all active routes.

- get router info routing-table static

> Shows only static routes.

- get router info routing-table connected

> Shows connected routes (directly connected networks/interfaces).

Firewall Policy & NAT

- show firewall policy

> Displays all firewall policies and their priorities (policy ID order).

- get firewall policy

> Shows policy details and counters (number of matched packets).

- show firewall address

> Displays all defined address objects and IP groups.

- show firewall service

> Displays all defined service objects (HTTP, DNS, ALL, etc.).

DNS / Network

- show system dns

> Displays which DNS servers the FortiGate is using (e.g., 8.8.8.8 or Pi-hole IP).

- diagnose test dns <domain_name>

> Tests DNS resolution (e.g., diagnose test dns youtube.com).

- diagnose netlink neighbor list

> Displays ARP table — all devices connected to FortiGate.

Session / Traffic Monitoring

- get system session list

> Lists all active sessions (source → destination).

- diagnose sys top

> Real-time CPU, memory, and session usage (similar to Linux “top”).

- diagnose debug flow trace start 100

> Captures and traces traffic flow — used when traffic isn’t matching any rule.

- diagnose sniffer packet any 'host 8.8.8.8' 4

> Captures packets — useful during ping or DNS testing.

Logs & Monitoring

- show log traffic

> Displays recorded traffic logs (if logging is enabled).

- execute log filter category 0

> Sets a log filter for logs.

- execute log display

> Shows filtered logs.

User / Admin Information

- show system admin

> Displays admin users, access levels, and allowed access types.

- get system admin

> Shows active admin sessions and login details.

Backup & Configuration Management

- show full-configuration

> Displays the entire running configuration (useful for manual backups).

- execute backup config tftp <filename.conf> <tftp-ip>

> Backs up configuration to a TFTP server.

- execute restore config tftp <filename.conf> <tftp-ip>

> Restores configuration from a TFTP server.

Diagnostics & Testing

- execute ping 8.8.8.8

> Tests internet connectivity (ICMP).

- execute traceroute 8.8.8.8

> Shows the network path to a destination.

- diagnose debug enable

> Enables debug mode.

- diagnose debug flow trace start 20

> Starts packet tracing for troubleshooting.

- diagnose debug console timestamp enable

> Adds timestamps to debug output.

- diagnose debug disable

> Disables debug mode.

- diagnose debug reset

> Resets debug settings.

Advanced Hardware Checks

- diagnose hardware info

> Displays power, temperature, and general hardware health.

- diagnose hardware deviceinfo nic

> Shows interface chip details — speed, duplex, and error count.

- get system performance top

> Displays top processes and system load summary.

Fortinet-111c (Internet Configuration)

```
config system interface
edit switch
set mode static
set ip 192.168.1.1 255.255.255.0
set allowaccess ping https ssh http
next
edit wan1
set mode dhcp
set allowaccess ping https ssh http
next
end
config router static
edit 1
set gateway 192.168.11.1
set device wan1
next
end
config system dns
set primary 8.8.8.8
set secondary 8.8.4.4
end
config firewall policy
edit 1
set srcintf switch
set dstintf wan1
set srcaddr all
set dstaddr all
set action accept
set schedule always
set service ANY
set nat enable
set logtraffic all
next
end
config system global
set hostname fortinet_Lab
end
config system admin
edit admin
set password admin
end
```

Fortinet-111c (Block-Facebook)

config router static

edit 2

set dst 31.13.64.0 255.255.224.0

set gateway 127.0.0.1

set device wan1

next

edit 3

set dst 157.240.192.0 255.255.240.0

set gateway 127.0.0.1

set device wan1

next

edit 4

set dst 69.63.176.0 255.255.240.0

set gateway 127.0.0.1

set device wan1

next

end

Fortinet-111c (Un-Block-Facebook)

config router static
delete 2
delete 3
delete 4
next
end