Cisco FMC Lab Requirements (with CLI Testing)

1. Lab Access

• Connect to the lab environment using the Tailscale network provided.
• FMC GUI/CLI IP: 192.168.8.110
• Login:
  - Username: admin
  - Password: C1sc0123!

2. Configure Interfaces

a. Outside Interface (Gig0/0)

• Name: OUTSIDE
• IP Address: 192.168.8.170/24
• Security Zone: OUTSIDE
• Enable the interface.

b. Inside Interface (Gig0/1)

• Name: INSIDE
• IP Address: 10.1.1.1/24
• Security Zone: INSIDE
• Enable the interface.

3. Static Route

• Interface: OUTSIDE
• Network: any-ipv4
• Gateway: 192.168.8.1

4. Access Control Policy (ACP)

• Policy: Default Policy
• Rule:
  - Name: ALLOW-INTERNET
  - Source Zone: INSIDE
  - Destination Zone: OUTSIDE
  - Source Network: 10.1.1.0/24
  - Destination Network: any

- Application: any
- Ports: http, https
- Action: ALLOW
- Logging: Enabled, log at beginning of connection.

5. Deploy Changes

• Go to Deploy > Deploy Now.

6. Testing via FTD CLI (No Internet Yet)

⚠️ Note: Internet access will NOT work yet since NAT is not configured. That will be covered in the next lesson. For now, only validate routing and gateway reachability.

1. SSH into the firewall FTD CLI:
   ssh admin@192.168.8.111
   Password: P@ssw0rd

2. Enter diagnostic CLI mode:
   system support diagnostic-cli
   enable

3. Run verification commands:
   - Check routing table:
     show route
     ✅ Should show a default route (0.0.0.0/0) via 192.168.8.1 on OUTSIDE.

   - Check interface status and IPs:
     show int ip br
     ✅ Should display Gig0/0 = 192.168.8.170/24 (OUTSIDE) and Gig0/1 = 10.1.1.1/24 (INSIDE).

   - Test connectivity to gateway (NOT internet):
     ping 192.168.8.1
     ✅ Should receive successful replies from the OUTSIDE gateway.