

# FortiOS Administrator Version 7.6

**Course Duration- 5 Days**

**This course is core exam to become FCP- Network Security.**

## **Who Should Attend**

**This course is intended for networking and security professionals responsible for the management, configuration, administration, and monitoring of FortiGate devices used to protect their organization's network infrastructure.**

**Participants are expected to have a solid understanding of the concepts covered in the FortiGate Operator course before enrolling in the FortiOS Administrator course.**

## **Prerequisites**

- **Working knowledge of networking protocols**
- **Basic understanding of firewall concepts and security principles**

## **Course Outline-**

- 1. System and Network Settings**
- 2. Logging and Monitoring**
- 3. Firewall Policies and NAT**
- 4. Routing**
- 5. Firewall Authentication**
- 6. Fortinet Single Sign-On (FSSO)**
- 7. Certificate Operations**
- 8. Antivirus**
- 9. Web Filtering**
- 10. Intrusion Prevention and Application Control**

- 11.IPsec VPN**
- 12.SD-WAN Configuration and Monitoring**
- 13.High Availability**
- 14.Diagnostics and Troubleshooting**
- 15.FortiGate in the Cloud**
- 16.FortiSASE**

## **Objectives**

**After completing this course, participants will be able to:**

- Configure basic FortiGate networking starting from factory default settings**
- Configure and manage administrator access on FortiGate**
- Perform administration using both the GUI and CLI interfaces**
- Explain various device registration methods**
- View, analyze, and search logs on FortiGate and FortiAnalyzer**
- Configure and manage IPv4 firewall policies**
- Implement port forwarding, Source NAT (SNAT), and Destination NAT (DNAT)**
- Analyze the FortiGate routing table and configure static routes**
- Implement route redundancy and load balancing**
- Configure LDAP and RADIUS authentication servers on FortiGate**
- Monitor firewall users through the FortiGate GUI**
- Deploy Fortinet Single Sign-On (FSSO) integrated with Microsoft Active Directory (AD) for user-based access control**
- Explain encryption mechanisms and digital certificates**
- Describe and implement SSL inspection on FortiGate**

- **Configure security profiles to mitigate threats such as malware, torrents, and inappropriate web access**
- **Apply application control policies to monitor and regulate network applications using standard and non-standard protocols and ports**
- **Configure IPsec VPN using both the wizard-based and manual configuration methods**
- **Configure and monitor SD-WAN to ensure efficient traffic distribution**
- **Identify the roles and responsibilities of primary and secondary devices in an HA cluster**
- **Understand different High Availability (HA) operating modes using the FortiGate Clustering Protocol (FGCP)**
- **Diagnose and troubleshoot common FortiGate issues**
- **Understand FortiGate VM and FortiGate CNF deployments in cloud environments**
- **Identify FortiSASE architecture and its common use cases**