



COURSE BROCHURE

Certified Firewall Administration Professional | CFAP

Introduction to the Course

A **firewall** is a security system which controls all the incoming and outgoing data based on a set of pre-defined rules. A **firewall** helps in keeping unwanted data like **malware**, **viruses**, etc. out of any system.

There are various cyber-attacks that can come to the systems. It can come from both external and internal resource. This is the reason why **Network Penetration Testers** are more in demand.

A **firewall** is something which protects the systems from a cyber-attack. Now the setting up of a firewall calls for a **Professional Firewall Administrator**.

Due to these factors, the **Certified Firewall Administration Professional | CFAP** course from **IEM Labs** has become so popular in Kolkata and other places. At the completion of this course the student will be able to successfully administer a **firewall** in any system. You shall be trained by professionals who have been working in this field for the last 10-12 years.

Why to choose IEM Labs?

What makes this course much more exciting is that we provide **hands - on training** procedure through projects and practical based classes throughout the entire curriculum of the course.

We at **IEM Labs** provide both **Online** (through platforms like "**Google Hangout Meet**", "**Go to Meeting**", "**Zoom**", etc) and **Offline** mode classes. The most beneficial point for a student to get trained by **IEM Labs** is "**One Year Lab Access**", i.e. every student from the date of admission will have access to our "**Online Virtual Lab**" for practising and getting all notes, pre-recorded videos and tools according to their course for one year absolutely free of cost.

About the Course

Course Type - Advanced

Eligibility Criteria: -

- Knowledge of firewall structure and IDS systems.
- Knowledge on Cyber Security and Penetration Testing.
- Minimum System Configuration Required: -
 - Intel i5 processor
 - 8gb Ram
 - 1tb Hard disk

Batch Size - 5 students maximum.

Course Duration - 40 hours i.e. 2 classes every week.

Course Fee: -

- Online: 14000 INR + 18% GST
- Offline: 13000 INR + 18% GST

Training Location: -

- Offline - Kolkata
- Online - Any

Gradation System of IEM Labs

- E Excellent (90% - 100% Marks)
- A+ Very Good (80% - 89% Marks)
- A Good (70% - 79% Marks)
- B+ Average (60% - 69% Marks)
- B Fair (50% - 59% Marks)
- C Fail (Below 50% Marks)

Course Content

- Module - 1: Firewall Concepts
- Module - 2: Sequence Number Randomization (SNR)
- Module - 3: Cut Through Proxy (CTP)
- Module - 4: Firewall as NTP Server
- Module - 5: Firewall as Syslog Server
- Module - 6: Firewall as DHCP Server
- Module - 7: Inside, Outside and Demilitarized Zone (DMZ)
- Module - 8: Security Levels
- Module - 9: Packet Flow Policies through a Firewall
- Module - 10: Network Address Translation (NAT)
- Module - 11: Traffic Filtering by Access List (ACL)
- Module - 12: Routing Through a Firewall
- Module - 13: Content Filtering by Firewall
- Module - 14: Network Attack Prevention
- Module - 15: IPSec VPN
- Module - 16: Anti -X Support
- Module - 17: Intrusion Detection System / Intrusion Prevention System (IDS / IPS)
- Module - 18: Project

Frequently asked questions (FAQ's)

1. What must be the minimum age for doing this course?

Answer - There is no minimum age requirement for doing this course.

2. What must be the minimum qualification required for doing this course?

Answer - There is no minimum qualification required if the student meets the **Eligibility Criteria**.

3. Will I get any course material?

Answer - Yes, all materials are available on our online virtual lab, you can access them fully upto 1 year from the date of admission.

4. Will I get a certificate after this course?

Answer - Yes, certificate (hardcopy/softcopy) will be provided after the course which will consist of a grade provided by the assigned trainer as per the final project submitted.

5. In which language classes will be conducted?

Answer - Classes will be conducted mainly on English, Hindi & Bengali, mainly it will depend on majority criteria.

6. Is this for professionals, students or both?

Answer - This course is both for Professionals and Students.

7. Will there be any exam or project?

Answer - Yes, there will be 3 exams through the whole course duration and 1 project to be done after the course completion based on which Grade for certificate will be provided.

8. Will I have to carry my own laptop or it will be provided?

Answer - It is recommended that the student carry his/her own system because it makes their self-practise easier. In case of emergency laptop/desktop can be provided by us.

9. What kind of jobs roles can I apply after doing this course?

Answer - You can apply for any job roles related to the course.

10. Can I apply for an Internships at IEM Labs? What will be the selection criteria and procedure?

Answer - After completion of minimum 2 courses you can apply for an Internship. There will be a technical interview, based on the reports from Faculty and Technical Interview selection will be granted.

11. Are the Internships paid?

Answer - Yes, the Internships are "***Paid Internships***".

12. My question is not enlisted here, whom can I contact?

Answer - Feel free to get in touch with us at: -

- Email: iema@iemlabs.com
- Phone: India: +91 9163198148 | Canada: +1-604-431-979