



**PANDORAFMS**

Pandora FMS Engineer

# **Learning guide PAE (EN)**



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# 1. Requirements

## 1.1 Necessary requirements

For a better use of the course it is necessary to have an intermediate knowledge of networks and Linux systems. We recommend previously taking the course “PALX (ES): Pandora FMS Linux Course” to be able to understand all the different subjects and manage Pandora FMS efficiently.

In addition, for a maximum use of this course, one year of experience with Pandora FMS or having passed the course “PAT (ES): Pandora FMS Technical” is required.

## 1.2 General evaluation system

The PAE Course: Pandora FMS Engineer course is divided into a theoretical part and a practical part.

### 1.2.1 Theory Part

The theoretical part of the course comprises the resolution of several self-assessments covering each of the course topics, and a final self-assessment covering the entire course.

### 1.2.2 Practice Part

The practical part of the course consists of the resolution of several practical cases divided between each of the topics of the course. For each practical case, a doc or pdf file with the student’s proposed resolution must be provided. Without this answer the student will not be able to visualize the solution proposed for the practical case.

### 1.2.3 Certificate

Final time test that grants the examined the PAT certificate once the exam is passed (includes 4 attempts, 2 theoretical + 2 practical). Each candidate will have at least 2 attempts to obtain each of the certificates. That is, they will be able to attempt it two times to obtain the PAT certificate.

Each call includes the theoretical part and the practical part as an ensemble to obtain the certificate, even though the results of each part are independent. A minimum grade of 7 out of 10 will be needed in order to pass the exam.

If a candidate presents themselves to the theoretical exam and not to the practical one, regardless of the theoretical exam’s results, it will be considered that one of the attempts was fully used. In case of passing the theoretical exam, the result will be saved, being the practical exam the only part left.

## 1.2.4 Additional Observations

There is a general forum for doubts related to the Pandora FMS tool, as well as a specific forum for each topic where doubts related to the study of each topic can be raised.

Additionally, there will be a fixed tutoring schedule with the course teacher, where special cases of problems raised by students can be solved.

The information reflected in this course enables you to obtain the official PAE certification, which includes two tests: a theoretical test and a practical test. If you wish to obtain this certification, contact Pandora FMS commercial team to contract the service and the exams.



## 2. Course Objectives

Upon finishing this course, you will learn how to:

- Perform advanced monitoring, in distributed architectures and high availability environments.
- Operate with plugins (server and agent)
- Use the Pandora FMS monitoring policy system and manage Pandora FMS services

To do so, you will have theoretical resources and complementary case studies for a better understanding of the application.

At the end of each thematic unit you will have a self-assessment to be able to consolidate the knowledge and to verify your degree of comprehension.

Also, you have links to Pandora FMS resources with which you can expand your knowledge.

## 3. Course Structure

### 3.1 eLearning platform units

1. Introduction to PAE.
2. Pandora FMS Architecture.
3. ACL System and User Management.
4. Monitoring with plugins (Development).
5. Discovery.
6. IPAM.
7. Satellite Server.
8. Monitoring policies.
9. Service monitoring.
10. NetFlow.
11. Web user experience.
12. Transaction monitoring.
13. Log monitoring and collection
14. Alertas Correlation
15. Device management
16. Database
17. High Availability (HA)
18. Advanced Pandora FMS Management

### 3.2 Units taught by a teacher

1. Pandora FMS architecture
2. ACL system and user management
3. Plugin monitoring
4. Satellite Server
5. Monitoring policies
6. Service monitoring
7. Web user experience
8. Log monitoring and collection
9. Advanced Pandora FMS management



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We hope this manual was helpful. For further information, do not hesitate to contact the Pandora FMS technical support team.

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