



/ Administrator training PAT-2016

CHARACTERISTICS AND REQUIREMENTS

1. Characteristics

- Length of the face-to-face program: **15 hours.**
- Length of the online program: **12 hours.**

2. Requirements

- Intermediate skills in networking
- Intermediate skills in Linux
- 1 computer per student (it will be provided by Ártica ST in the face-to-face program).
- Network in the classroom to connect all hosts (including the teacher).

SYLLABUS

1. INTRODUCTION TO PANDORA FMS

- History and Life-Cycle-Monitoring

2. PANDORA FMS ARCHITECTURE

- Explanation of the elements of the platform

3. INSTALLATION OF PANDORA FMS

- Introduction to Pandora FMS installation
- Description of the installation (facilities, requirements, planning).
- Installation of Pandora FMS
- Pandora FMS updates
- Exercise on the tool installation





4. INTRODUCTION TO MONITORING

- Introduction to monitoring
- Description on the monitoring elements (agent, modules, data types, intervals...)

5. REMOTE MONITORING

- Introduction to remote monitoring
- Monitoring with Network Server, Enterprise ICMP / SNMP Servers
- Monitoring with WMI Server
- Recognition tasks
- Exercise on remote monitoring

6. MONITORING WITH SOFTWARE AGENTS

- Introduction to software agents
- Definition of software agents (installation, configuration, module types...)
- Remote configuration
- Exercise on local monitoring

7. MODULE MANAGEMENT

- Massive operations
- Agent import
- Module library

8. REMOTE MANAGEMENT

- Introduction
- VNC
- Anytermd





9. ALERTS IN PANDORA FMS

- Introduction to the Pandora FMS general alert system
- Concept and definition of Pandora FMS alerts (components, parameters, macros, FF Threshold, Cascade Protection ...)
- Alert display
- Examples of usage
- Exercise on alerts

10. EVENT MANAGEMENT

- Introduction
- Characteristics of the event viewer (performance, features, configuration, validation, parameters)
- Events correlation
- Exercise on events correlation

11. OPTIMIZATION, PROBLEM-SOLVING AND OTHERS

- Service downtimes
- Optimization of the Pandora FMS server configuration
- Optimization of the Pandora FMS console configuration and its data presentation
- BBDD maintenance
- Location of sources of diagnostic information (logs tool, BBDD, WebServer)

12. REPORTING

- Introduction to the Pandora FMS reporting system
- Definition of reports (performance, configuration)
- Enterprise and basic ACL system
- Simple graphs, report items, wizards, combined graphs and custom queries.
- Visual console and network and Enterprise maps
- Practical exercise on reports and network maps





13. FINAL EXERCISE

* PAT certification exam

CERTIFICATION EXAM

- By passing this exam, you will get the PAT certification that verifies your skills to successfully implement and deploy Pandora FMS.
- This certificate **is a must to obtain the PAE certification.**
- This exam can be done online or face-to-face.
- Language: **English**

