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# Centreon training: Complete IS supervision

2 days (14 hours)

## PRESENTATION

**Centreon** is an AIOps monitoring tool that measures the availability and performance of user services, application layers and resources.

It's a complete monitoring solution, offering a host of functions such as resource monitoring (CPU load, disk space) and network service monitoring. But also widgets, dashboard creation and the ability to view status history and object status with logs.

This tool has become a benchmark in the supervision market. It is used by companies all over the world to prevent IT problems. Companies need to be vigilant and keep an eye on their infrastructure and their various IT operations to guarantee the performance of their services.

With its ability to supervise [the most complex infrastructures, from the Cloud to the Edge](#), Centreon will ensure service continuity and operational excellence.

Our training course will not only give you an in-depth understanding of the Centreon world, but will also enable you to manipulate the functionalities offered. Knowing how to install, configure and administer the product will give you an in-depth understanding of supervision protocols and technologies.

As with all our training courses, we'll be using the latest version of [Centreon 24.10](#).

## Objectives

- Centreon installation: performing an Open Source installation of Centreon OnPrem

- Understanding Centreon architecture: inner workings, interactions between software components and possible architectures
- GUI navigation and configuration: discover the Centreon web interface, master the interface Centreon and distinguish between the various configuration objects and their relationships
- Deploy end-to-end monitoring: configure objects, add hosts, services, controls, group and categorize resources

## Target audience

- System administrators
- Network administrators
- Infrastructure engineers

## Prerequisites

- Networking skills (network protocols)
- Operating system knowledge (GNU/Linux/Windows)

## Technical requirements

- 16 GB RAM
- Install an [official VM](#) with the latest version
- A Centreon license or at least a 30-day [trial account](#)

## Centreon training program

### INTRODUCTION TO CENTREON

- Introducing Centreon
- Comparative versions (Open Source, IT Edition, Business Edition, MSP Edition)
- Objectives of a management solution
- Software installation
- The Centreon ecosystem
- The different resources to monitor

### LINUX / WINDOWS SERVER SUPERVISION

- Identifying needs
- Declaration of individual hosts
- The various monitoring functions: QoS metrics and performance management
- Configuring snmp services

- Configuration deployment

## SECURE THE SERVER

- General parameters
- Securing user accounts
- Securing a database management system
- Supervising a MySQL or MariaDB database
- [PRACTICE] Configuration and testing
- Connect using HTTPS

## CENTREON ADMINISTRATION

- How Centreon works
- Software layers and data collection
- Optimization of the Centreon platform (backup, storage and scheduling)
- Building a supervision infrastructure (pollers and remote servers)

## CENTREON ARCHITECTURE

- Architecture description
- The various plug-ins and service checks
- Architecture and plug-in operating principles
- [PRACTICE] Command-line testing, modifying and managing control point errors
- Simple architecture
- Distributed architecture

## ADAPTING CENTREON TO ITS ENVIRONMENT

- Understanding the Centreon graphical interface
- Several possibilities for adapting to the needs of the management solution to be implemented
- Customize the graphical interface
- Definition of user profiles and user rights
- [PRACTICE] Creating profiles for different zones to be administered

## TROUBLESHOOTING

- Log knowledge: Broker, Engine
- Managing notifications: processes, settings

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology or to

acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.

