

# Course : Nagios, network administration

*Practical course - 4d - 28h00 - Ref. NAG*

*Price : 2380 € E.T.*

Nagios is an Open Source solution for monitoring servers, networks and applications. This course will teach you best practices for using Nagios, including how to install, configure and adapt it to your environment.

## Teaching objectives

**At the end of the training, the participant will be able to:**

- ✓ Installing and configuring Nagios
- ✓ Configuring Nagios from a Web interface
- ✓ Monitor your Linux and Windows servers with Nagios
- ✓ Key metrics for reporting

## Intended audience

Systems and network technicians and administrators. Anyone wishing to set up a supervision system.

## Prerequisites

Basic knowledge of Linux, networks and IS.

## Course schedule

### 1 Introduction

- The challenges of an administration solution.
- Market solutions. The role of Nagios.

### PARTICIPANTS

Systems and network technicians and administrators. Anyone wishing to set up a supervision system.

### PREREQUISITES

Basic knowledge of Linux, networks and IS.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## 2 Setting up a Nagios solution

- Identifying needs.
- Monitoring, QoS metrics and performance management functions.
- Nagios fundamentals: hosts, services, commands, hostgroups...
- What can you administer with Nagios?
- SNMP's place in Nagios administration.

### Hands-on work

Case study and demonstration of Nagios, Nagvis, NagiosBPI, NagiosXI, Centreon.

## 3 Nagios architecture

- Description of the architecture.
- Plug-ins and service checks.
- Authentication of administrators and operators for access to functions.
- External modules: metrology, plotter, etc.

## 4 Installing and configuring Nagios

- Tarball installation and Nagios recompilation.
- Installation of the standard plug-in set with recompilation.
- Addition of a plug-in not included in the standard set.
- How do you develop a plug-in?
- How do you add complementary bricks?
- SNMP and in particular traps with the Nagios solution.
- Setting up a Grapher based on rrdtools.
- How to use SNMP for supervision?

### Hands-on work

Install Nagios and its plug-ins. Manage Linux servers with NRPE and ssh, and Windows servers with NSClient++ and WMI clients.

## 5 Adapt Nagios to your environment

- Understanding the graphical interface.
- Adaptability to the needs of the management solution to be implemented.
- Customize the graphical interface.
- Define user profiles and rights. Visibility of the managed system.

### Hands-on work

Set up a grapher. Creation of profiles according to the zones to be administered. Set up nagiosmobile, Vshell.

## 6 Complementary solutions

- Positioning of various solutions: Centreon, Nagios XI, icinga.
- Must-have applications.
- Nagvis, an Ajax-based graphical interface, network flow management with weathermap.
- Nagios BPI, transform your interface into a view adapted to your business constraints.

### Demonstration

Use of Centreon, Nagvis and NagiosBPI.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

REMOTE CLASS  
2026 : 26 May, 6 Oct.

PARIS LA DÉFENSE  
2026 : 26 May, 6 Oct.