Course : Nagios, operation

Practical course - 3d - 21h00 - Ref. NAX
Price : 2020 € E.T.

This training course covers everything you need to know to run Nagios efficiently. You'll learn how to carry out the main operating tasks, such as backup operations, adding plug-ins, using intelligent business process tools and more.

Teaching objectives

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

- Get to know Nagios functionalities
- Configuring Nagios from a Web interface
- Monitor your Linux and Windows servers with Nagios
- Key metrics for reporting

Intended audience
Systems and network technicians.

Prerequisites
Basic knowledge of Linux and corporate networks.

Practical details
Hands-on work
Implementation of information system management using nagios with additional nagvis and nagios BPI, or centreon.

Course schedule

1 NAGIOS fundamentals

- nagios objects: Hosts, Services, commands, hostgroups, servicegroups, contacts, contact groups and time periods.
- Nagios basics in terms of architecture, configuration file and operation.
- Global monitoring of Linux and Windows servers.
- Understanding and developing plug-ins.
- Additional application installation scripts.
- Incident process management with contacts, time periods and notifications.
- User management using Nagios contact and contactgroup objects for system access rights.

Hands-on work
Implementing server management using services. Implementation of a plugin. Installing a grapher using a script. Backing up your nagios server.

2 Server management

- Windows monitoring: solutions with NSClient ++ (either check_nt or check_nrpe)
- Monitoring Linux servers using ssh or nrpe techniques.
- Nagios' use of Microsoft's WMI to administer Windows servers.

Hands-on work
Managing a Windows server using NSCLIENT++ (with and without nrpe). Windows management using WMI. Linux server management using scripts activated by SSH or the NRPI agent.

3 Using SNMP to manage an information system

- SNMP principles and objects.
- SNMP protocol for Linux system management.
- Use SNMP to manage a Windows system.
- Manage network devices and printers with SNMP.
- SNMPTT and NSRI tools for managing SNMP traps.

Hands-on work
Flow management with bandwidth graph of a Linux network interface with SNMP. SNMP switch-router management.

4 Must-haves: NDO Nagvis and Nagios BPI

- NDOUtils, the add-on for Nagios.
- Centreon interface implementation.
- The graphical access system to Nagios Nagvis.
- BPI a Business Process Intelligence interface for Nagios objects.

Hands-on work
Installation and use of Nagvis and NagiosBPI.