



# MFE-IT

Reference: NAS/EN/C2A

## Centreon Advanced Level Training Course

Optimise the Monitoring of Your Critical and Multi-Site Systems

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*Duration: 3 Days | Hours: 21 h*

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*Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice*

## DESCRIPTION

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Centreon is now at the heart of infrastructure monitoring systems in many organisations — from mid-size deployments to enterprise platforms supervising tens of thousands of hosts across continents. At this scale, monitoring becomes a business service in its own right, with availability, automation and integration requirements that go well beyond the basics.

This advanced training course is designed to enable you to manage complex, distributed environments while optimising performance, security and the automation of monitoring processes. You will learn how to set up distributed multi-pollers, automate configuration deployments, enhance resilience, leverage logs intelligently and integrate third-party tools such as ITSM, CMDB and SIEM platforms.

## LEARNING OBJECTIVES

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By the end of this training course, participants will be able to:

- Deploy a distributed and resilient architecture (multi-pollers, HA)
- Automate configuration with dynamic templates, bulk imports and scripts
- Secure inter-component flows and track sensitive events
- Integrate Centreon with other systems (CMDB, ITSM, SIEM, DevOps tools)
- Optimise platform performance: databases, collection, display
- Industrialise best practices for documentation, maintenance and versioning

## PREREQUISITES

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- Completion of Centreon Administration training or equivalent experience
- Proficiency in Linux systems, network concepts and Centreon in real environment
- Knowledge of distributed IT architecture and network security is appreciated

*Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.*

## TARGET AUDIENCE

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IT operations teams, monitoring managers, DevOps administrators and multi-site IT managers running enterprise-scale Centreon platforms.

## DETAILED PROGRAMME

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The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

### Module 1 – Advanced Monitoring Architectures

- High availability and multi-site deployments
- Poller federation and scalability
- Load balancing and redundancy patterns

### Module 2 – Automate Deployments

- Complex templates and CLI tools
- Centreon REST API and import files
- Bulk generation and synchronisation workflows

### Module 3 – Integrations and Interoperability

- CMDB and ITSM solutions integration
- SIEM (ELK, Splunk) and third-party databases
- Customised exports and reporting pipelines

### Module 4 – Security, Logs and Auditing

- Platform hardening and secure configuration
- Advanced logging and access auditing
- Secure monitoring with HTTPS, SNMPv3, SSH

### Module 5 – Performance, Resilience and Maintenance

- SQL indexing and MariaDB tuning
- Heavy log management and archival
- Restart strategy, backup and instance documentation

## TEACHING METHODS

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### Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

### MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

### Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

### Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

### Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: [contact@mfe-it.com](mailto:contact@mfe-it.com).

## PRACTICAL INFORMATION

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### Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

### Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

### **Benefits for Participants**

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

### **Benefits for the Organisation**

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts