



# MFE-IT

Reference: SK/EN/CF

## Cloudflare Training Course

Master the Performance and Security of your Web Applications

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*Duration: 2 Days | Hours: 14 h*

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

## DESCRIPTION

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This training course provides participants with the skills required to optimise performance, enhance security and improve the reliability of web applications using Cloudflare. The programme covers the platform's main services, their hands-on implementation and the advanced settings needed to protect and accelerate online resources.

Cloudflare is an essential solution for any organisation wishing to protect web applications, accelerate browsing, manage DNS intelligently and filter threats. To exploit its full potential, it is vital to understand its components, logic and configuration best practices — which is exactly what this course delivers, in a balance between IT strategy and operational deployment.

## LEARNING OBJECTIVES

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

- Understand Cloudflare's role in modern web architecture
- Configure DNS, SSL/TLS, caching, firewall rules and DDoS protection
- Use Cloudflare as a secure reverse proxy in front of existing applications
- Implement security rules and access filtering tailored to business needs
- Leverage Workers, static pages, Tunnels and Zero Trust services
- Read and interpret logs, performance reports and security alerts

## PREREQUISITES

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- General knowledge of web, networking and hosting (intermediate level)
- Experience with tools such as nginx, Apache, cloud hosting or reverse proxy
- No specific prior knowledge of Cloudflare is required

*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 professionals, web developers, DevOps engineers, network and security engineers responsible for hosting, securing or accelerating web applications.

## 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 – Introduction to the Cloudflare ecosystem

- Services offered and architectural logic of the platform
- How CDN and reverse proxy work in practice
- Free, Pro, Business and Enterprise plans compared

### Module 2 – Basic configuration

- Adding a site and configuring DNS
- SSL/TLS management and certificate options
- Cache control, redirects and page rules

### Module 3 – Application security

- Firewall rules and Web Application Firewall (WAF)
- DDoS protection and bot management
- IP access control and security headers

### Module 4 – Performance and acceleration

- Speed optimisations: minification, compression and Brotli
- Advanced caching strategies and cache rules
- Image resizing and content optimisation

### Module 5 – Cloudflare Workers and Zero Trust

- Serverless functions with Workers
- Cloudflare Tunnels for private resources
- Identity management and Zero Trust Access policies

### Module 6 – Supervision and best practices

- Logs, dashboards and security alerts
- Fallback strategies and resilience
- Operational recommendations for production environments

## 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