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# OctoPerf Training

2 days (14 hours)

## Presentation

Our OctoPerf training course will enable you to carry out performance tests for your web and mobile applications. Octoperf streamlines and dramatically improves [load testing](#) processes. With its user-friendly interface and advanced features, it's an extremely popular tool in DevOps circles.

This program will first teach you how to navigate the OctoPerf ecosystem. You'll also learn about the features that make this tool an ideal companion for DevOps professionals. You'll learn how to use various elements such as events, workspaces, projects and administrative tasks.

Our training will enable you to design your own performance tests, including the creation of virtual users to accurately simulate web traffic. We'll also cover how to launch tests, configure external reports and manage IP address ranges.

Like all our training courses, it will be run on the latest version of the tool: [OctoPerf 14.5](#).

## Objectives

- Understanding how the tool works
- Create and conduct performance tests
- Exploiting test results

## Target audience

- **QA engineers**
- Developers

# Prerequisites

- JMeter knowledge
- Basic knowledge of application development

## OUR OCTOPERF TRAINING PROGRAM

### INTRODUCTION TO OCTOPERF

- OctoPerf overview
- Navigating the user interface
- Event, workspace, project and administration management
- Overview of key features and benefits for DevOps
- Initial configuration and preparation of the working environment

### PERFORMANCE TEST DESIGN

- Create and edit virtual users (VUs) for traffic simulation
- Import and use website URLs and REST APIs
- Use of capture tools such as HAR Recorder, JMeter JMX, Postman and Selenium
- Advanced configuration of virtual users and validation of test scenarios
- Good design practices to ensure test representativeness and reusability

### CONFIGURATION AND EXECUTION OF TEST SCENARIOS

- Detailed editing of scenarios and user profiles
- Run tests, configure external reports and manage IP ranges
- Integrations with CI/CD tools such as Jenkins, Maven, GitHub Actions, GitLab CI and Azure DevOps
- Understanding and managing the test start-up process
- Analysis of the impact of scenario configuration on test results

### PERFORMANCE MONITORING AND ANALYSIS

- Configuring monitoring connections and using thresholds
- Test planning and execution according to various performance criteria
- Detailed analysis of results on the analysis page
- Configure and customize performance reports
- Real-time monitoring and post-testing of application performance

### INFRASTRUCTURE MANAGEMENT

- Exploration of on-premise and cloud hosting options (Amazon, DigitalOcean, Microsoft Azure)
- Configuration and maintenance of the necessary infrastructure
- Deployment and management on platforms such as Kubernetes and Rancher
- Understand the implications of network and security configuration on test performance
- Best practices for a scalable, secure infrastructure

## REPORTS AND INTEGRATIONS

- Create and manage advanced performance reports
- Techniques for exporting results and comparing different tests
- Integration with bug and incident tracking systems such as JIRA
- Use report templates for regular, automated analyses
- Discussion of the added value of integrations and their impact on the DevOps process

## 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.

