Core Performance Engineering: Scalable Testing Fundamentals (2-5720)

ID 2-5720 **Prix** sur demande **Durée** 2 jours

A qui s'adresse cette formation

Performance engineers, QA professionals, and testers seeking to leverage OpenText Core Performance Engineering for scalable, cloud-based performance testing

Pré-requis

To be successful in this course, you should have the following prerequisites or knowledge:

- A basic knowledge of performance testing concepts
- Working knowledge of Windows, websites, and browsers

Objectifs

On completion of this course, participants should be able to:

- Navigate and utilize OpenText Core Performance Engineering for end-to-end performance testing.
- Manage scripts, load generators, monitors, and test data.
- Design, schedule, and execute performance tests.
- Monitor performance during test runs and manage Vusers.
- Analyze results and generate reports using dashboards and anomaly detection.
- Configure integrations with external tools like Git, Jenkins, and InfluxDB.

Contenu

Chapter 1: Course Overview

- Identify the contents and objectives of the course.
- Define the class logistics.

Chapter 2: Core Performance Engineering Overview

- Explain OpenText performance products and their functionalities.
- Describe the key features and benefits of OpenText Core Performance Engineering.
- Explore OpenText Core Performance Engineering integration with OpenText SaaS.
- Examine the architectural components and deployment options.
- Identify versatile use cases for OpenText Core Performance Engineering.
- Explain the end-to-end workflow in OpenText Core Performance Engineering.
- Gain hands-on experience with the Core Performance Engineering interfaces.

Chapter 3: Tenant Management

- Explain the license types.
- Share assets between projects.
- Create and manage projects.
- Create access keys.
- Monitor scheduled tests and view running tests.

Chapter 4: Managing Test Assets

- Explain the types of test assets used in OpenText Core Performance Engineering.
- Explain how to upload and organize test scripts efficiently within OpenText Core Performance Engineering.
- Configure and utilize monitors to track test performance and system resource consumption.
- Set up and manage load generators for scalable performance testing.
- Manage agents to ensure smooth test execution across distributed environments.
- Use network emulators to simulate varied network conditions for realistic test scenarios.
- Explain the role of script keys and best practices for securing and managing them.
- Work with data files to parameterize scripts and generate diverse testing scenarios.
- Leverage templates to streamline the creation and management of test scenarios.

Chapter 5: Creating a Load Test

- Set up all essential parameters for a performance test.
- Create and manage user load profiles and scenarios.
- Assign load generators and distribute the load across

regions.
- Add and configure monitors for real-time performance tracking.
- Define and enforce Service Level Agreements (SLAs) to align with business objectives.
- Apply insights to achieve consistent and reliable application performance.

Chapter 6: Running a Load Test

- Perform pre-run preparations and Vuser setup.
- Manage and monitor the test run.
- Discuss runtime alerts and dashboard interactions.
- Explain post-test actions and result availability.

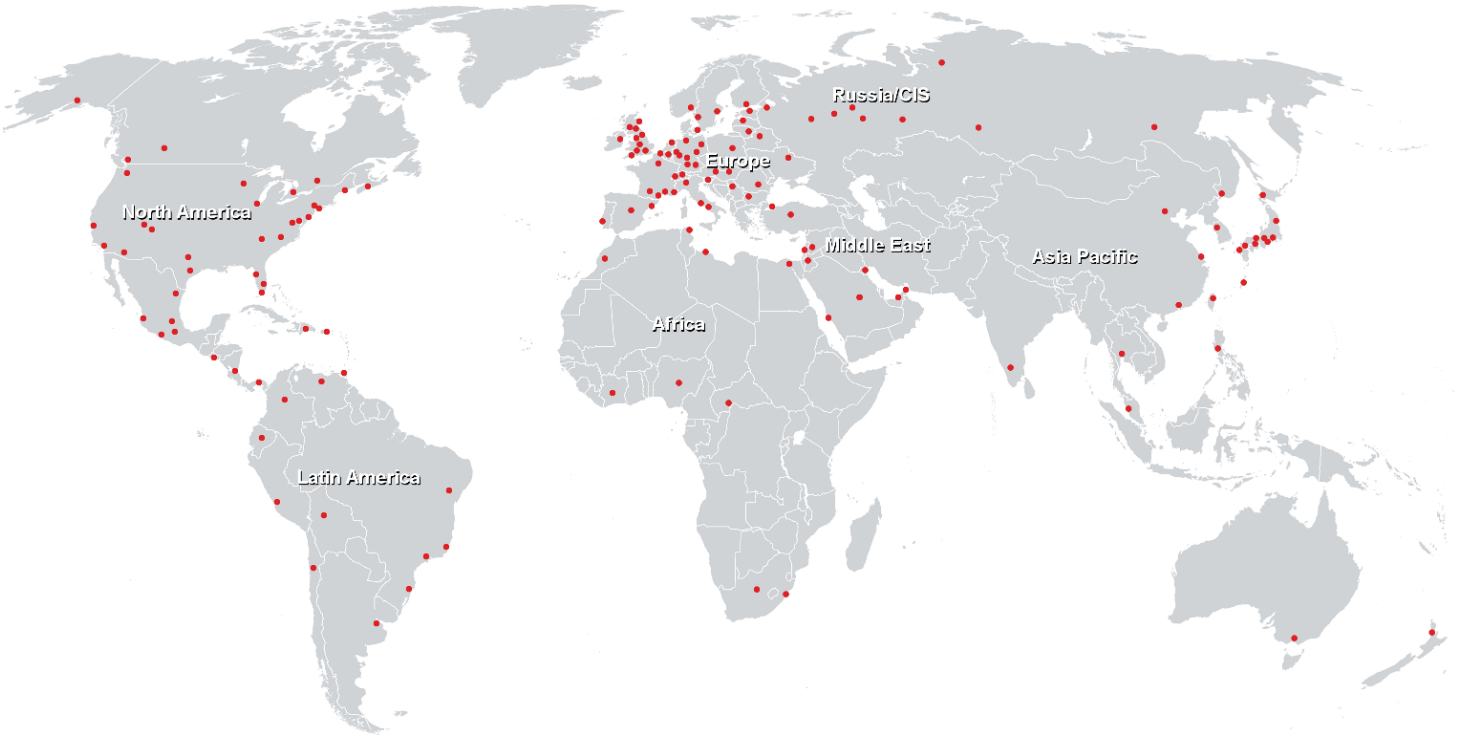
Chapter 7: Analyzing Test Results

- Explain the importance of performance result analysis and key metrics.
- Utilize dashboards and graphs effectively to visualize and compare test results.
- Detect and analyze anomalies to identify and resolve performance issues.
- Apply best practices to correlate and interpret metrics for comprehensive analysis.
- Leverage Network Virtualization Insights for optimizing performance under real-world conditions.
- Generate reports and provide actionable recommendations for performance improvements.

Chapter 8: Tools and Integrations

- Leverage CI Integration.
- Implement streaming integration.
- Utilize REST API.

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