



# Using Splunk Synthetic Monitoring

This course is designed for developers concerned with integrating performance testing into their release processes, and for SREs concerned with web availability monitoring, enterprise application monitoring, and SLA reporting. Splunk Synthetic Monitoring is built primarily for DevOps and ITOps teams proactively monitoring critical business workflows. However, the course can be taken by anyone who needs 24/7 visibility into the performance of web services for customers and employees around the world.

This 6-hour (1 virtual day) course describes how to identify the appropriate use cases for synthetic tests, create uptime tests for monitoring site availability, create robust browser tests for monitoring critical browser-based workflows, and use API tests to monitor back-end services and API-powered workflows. You will be able to create custom dashboards and charts to proactively troubleshoot and optimize web performance based on synthetic metrics.

All concepts are taught using lectures and scenario-based hands-on activities.

## Course Topics

- Describe use cases for Splunk Synthetic Monitoring
- Create uptime tests to monitor site availability
- Create browser tests to monitor critical browser-based workflows
- Create API tests to monitor back-end services and API-powered workflows
- Troubleshoot site performance using synthetic tests

## Prerequisite Knowledge

- Introduction to Splunk Observability (self-paced)
- Introduction to Splunk Synthetic Monitoring (self-paced)
- Fundamentals of Metrics Monitoring in Splunk Observability (instructor-led)

## Course Format

- Instructor-led lecture with labs, delivered via live virtual classroom

## Course Objectives

### Module 1 – Explore Splunk Synthetic Monitoring

- Identify use cases for synthetic monitoring
- View and interpret Uptime tests
- View and interpret Browser tests
- View and interpret API tests
- Identify configuration needs for Synthetic tests

### Module 2 – Create Uptime Tests

- Use best practices to create Uptime tests
- Setup and configure Uptime tests
- Identify available Uptime test metrics
- Alert on Uptime tests

### Module 3 – Create Browser Tests

- Use best practices to create Browser tests
- Setup and configure Browser tests
- Identify available Browser test metrics
- Alert on Browser tests

### Module 4 – Create API Tests

- Use best practices to create API tests
- Setup and configure API tests
- Identify available API test metrics
- Alert on API tests

### Module 5 – Troubleshoot Site Performance Using Synthetic Tests

- Using custom dashboards for efficient troubleshooting
- Find insights using analytics in charts
- Create detectors for common use cases

## About Splunk Education

Splunk classes are designed for specific roles such as Splunk Administrator, Developer, User, Knowledge Manager, or Architect.

### Certification Tracks

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