# Splunk AppDynamics for Hybrid Application Monitoring (SAHA)

## What you'll learn in this course

The Splunk AppDynamics for Hybrid Application Monitoring (SAHA) training aims to enhance your expertise in full stack observability for hybrid applications using Cisco's product portfolio, covering various aspects of observability and analytics. You will explore application performance monitoring (APM) and business analytics for hybrid applications using Cisco AppDynamics. You will also learn about customer digital experience and application dependency monitoring, leveraging network insights through Cisco ThousandEyes and integrating them with real user monitoring in AppDynamics. Finally, you will learn about application security with Cisco Application Security.

Throughout the training, you will not only learn to effectively utilize these solutions but also deploy and configure them within your application environments. This training earns you 32 Continuing Education (CE) credits towards recertification.

## Course duration

- Instructor-led training: 4 days in the classroom with hands-on practice, plus the equivalent of 3 days of self-study material
- Virtual instructor-led training: 4 days of virtual instructor-led classes with hands-on practice.

## How you'll benefit

This course will help you:

- Gain the knowledge you need to effectively utilize hybrid applications for full stack observability
- Leverage Cisco products for application performance monitoring, security, and business analytics
- Qualify for professional-level job roles in full stack observability
- Earn 32 CE credits toward recertification

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## Who should enroll

- Site Reliability Engineers
- IT Operations Teams
- DevOps Engineers
- Security Analysts
- IT Managers
- Quality Assurance Engineers
- Technical Sales and Pre-Sales Engineers

# Technology areas

Data Center & Virtualization

# Course details

### Objectives

After taking this course, you should be able to:

- Gain insights into the core principles and architecture of the Cisco Full Stack Observability (FSO) platform and its strategic benefits for application monitoring
- Explore best practices for deploying and managing hybrid application monitoring solutions, with a focus on Cisco AppDynamics agents for comprehensive visibility
- Acquire skills to configure Cisco AppDynamics for hybrid application monitoring, including setting up baselines, health rules, and proactive monitoring strategies
- Learn troubleshooting techniques using anomaly detection, database visibility, and custom dashboards to resolve issues affecting business transactions
- Understand the foundations of customer digital experience monitoring (CDEM) with Cisco ThousandEyes and AppDynamics platforms, integrating network and application insights to optimize customer interactions
- Deploy and configure Cisco ThousandEyes for CDEM, gaining insights into network and application performance and troubleshooting customer digital experiences
- Learn app dependency monitoring with AppDynamics and ThousandEyes, including the deployment and configuration of enterprise agents and leveraging test recommendation services
- Explore hybrid application security and business risk observability with Cisco application security, enabling participants to protect applications from attacks and vulnerabilities

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## Recommended knowledge and training

Before taking this course, you should have the following knowledge and skills:

- Basic understanding of application architectures and deployment models
- Fundamental knowledge of APM
- Basic understanding of networking concepts
- Foundational knowledge of application security practice

These skills can be found in the following Cisco Learning Offerings:

- Developing Applications and Automating Workflows Using Cisco Core Platforms (DEVASC)
- Introduction to APM for Cisco AppDynamics (APM210)
- Implementing and Administering Cisco Solutions (CCNA)

## Outline

- Hybrid Application Monitoring Foundation
- Deploy Hybrid Application Monitoring
- Hybrid Application Monitoring Configuration
- Monitor and Troubleshoot Hybrid Application Performance
- Customer Digital Experience Monitoring Foundation
- Customer Digital Experience Monitoring Deployment
- Customer Digital Experience Monitoring Integration and Configuration
- Customer Digital Experience Monitoring and Troubleshooting
- Application Dependency Monitoring Foundation
- Application Dependency Monitoring Deployment
- Application Dependency Integration and Configuration
- Application Dependency Monitoring and Troubleshooting
- Hybrid Application Security and Business Risk Observability Foundation
- Hybrid Application Security Monitoring Deployment
- Hybrid Application Security and Business Risk Observability Protection

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## How to enroll

To enroll in the SAHA course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

**Lab outline**

- Monitor Application Performance
- Instrument Application Services
- Enhance Application Monitoring with Infrastructure and Database Visibility
- Improve Monitoring Experience Through Management and Configuration Strategies
- Configure Transaction Analytics for Insightful Business Dashboards
- Evaluate Hybrid Application Performance
- Troubleshoot Business Transaction Performance Using Snapshots
- Discover Customer Digital Experience with ThousandEyes and AppDynamics
- Configure and Verify Transaction Test
- Deploy and Verify Browser Real User Monitoring
- Enable Data Sharing Through Integration
- Monitor Digital Experiences with Cisco ThousandEyes
- Resolve Digital Experience Issues with Cisco ThousandEyes and Cisco AppDynamics
- Uncover Application Dependency Performance with Cisco ThousandEyes and Cisco AppDynamics
- Deploy an Enterprise Agent and Configure Tests for Application Dependency Monitoring
- Configure Test Recommendations and Integrate the Platforms
- Monitor Application Dependency Issues with Cisco ThousandEyes and Cisco AppDynamics
- Secure Applications with Cisco AppDynamics Walkthrough
- Integrate Cisco Secure Application with Splunk
- Enable and Configure Cisco Secure Application
- Monitor Application Security Using Cisco Secure Application