# SaaS Implementation Workshop for Cisco AppDynamics (IMP875)

**ID** IMP875    **Price** US $ 4,400.—(excl. tax)    **Duration** 5 days

This is a Cisco Learning Services course and is delivered directly by Cisco.

## Course Overview

The **SaaS Implementation Workshop for Cisco AppDynamics (IMP875)** training covers an architectural overview of how Cisco AppDynamics and Application Performance Management (APM) operate, what we monitor, and how to troubleshoot performance issues. You will learn how to organize Business Transactions, as well as how to configure Health Rules, Actions, and Policies to deliver proactive problem resolution. You will also learn how to install and upgrade Application and Machine agents, and how to automate these processes.

**How You'll Benefit**

This training will help you:

- Learn how to utilize Cisco AppDynamics and APM
- Gain leading-edge skills for high-demand responsibilities in the cloud computing industry

## Who should attend

Technical teams, DevOps professionals, Site Reliability Engineers, and any Cisco AppDynamics Partner staff who focus on implementing Cisco AppDynamics

## Prerequisites

- Comfortable working on the Command Line
- Familiar with Extensible Markup Language (XML)
- Understanding of difficulties in troubleshooting application problems
- Ability to understand basic code in languages such as Java and .NET
- DevOps experience
- Understanding of managing platform configuration
- Understanding of advanced Object-Orientated (OO)

language features, e.g., Reflection, Inheritance

## Course Objectives

- Gain an understanding of Cisco AppDynamics and APM
- Learn about enterprise topology and navigating the Controller UI
- Explore business transactions including its troubleshooting and diagnostics
- Discover how to configure backend and error detection
- Learn about policies, actions, and runbook automation
- Create custom dashboards and reports
- Install and automate application agents

## Detailed Course Outline

- Introduction to Cisco AppDynamics and APM
- Enterprise Topology and Cisco AppDynamics
- Navigating the Controller UI
- Business Transactions
- Troubleshooting Overview
- Diagnostic Sessions
- Troubleshooting with Transaction Snapshots
- Troubleshooting Slow Transactions
- Troubleshooting Error Transactions
- Too Many / Slow Database Calls
- Thread State Analysis
- Steps to an Cisco AppDynamics Implementation
- Business Transaction Instrumentation
- Automatic Discovery
- Best Practice: Select Business Transactions by Hand
- Custom Match Rules
- Business Transaction Management Strategies
- Service Endpoints
- Live Preview in Custom Match Rules
- Managing Business Transactions using Discovery Sessions
- Configuring Backend Detection
- Customizing Error Detection
- Configuring Baselines
- Configuring Health Rules
- Policies, Actions, and Runbook Automation
- Custom Dashboards and Reports
- Creating and Using Information Points
- Creating and Using Data Collectors
- Using Development Level Monitoring

- Configuring JMX Metrics and Windows Performance Counters
- Using Memory Management Tools
- Introduction to Application and Machine Agents
- Application Agent Architecture and Installation
- Application Agent Log Files
- Machine Agent Architecture and Installation Automating Agent Deployment
- Installing Machine Agent Extensions
- Monitoring as Code Introduction
- Automating Agent Deployment
- Interfacing with Cisco AppDynamics APIs
- Course Summary

# About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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✓ E-Learning
✓ Blended & Hybrid Learning
✓ Mobile Learning

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