

# Monitor Kubernetes Environments with Cisco AppDynamics (PRO531)

**ID PRO531** **Price** US \$ 1,000.—(excl. tax) **Duration** 1 day

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

## Course Overview

The **Monitor Kubernetes Environments with Cisco AppDynamics (PRO531)** training provides an overview of the Cluster Agent and how Cisco AppDynamics Agents deliver full stack observability for Kubernetes (K8s) environments. It focuses on the Cisco AppDynamics Cluster Agent, its architecture, and instructions on how to validate deployment of the Cluster Agent in a Kubernetes cluster to monitor cluster metrics Cisco AppDynamics. The training highlights the key benefits, common use cases, prerequisites, and the deployment process of the Cluster Agent to integrate Kubernetes clusters with Cisco AppDynamics.

## How You'll Benefit

This training will help you:

- Understand the Cluster Agent and how it delivers full stack observability for Kubernetes environments
- Gain leading-edge skills for high-demand responsibilities in the cloud computing industry

## Who should attend

- DevOps, Developers, Admins, and Performance Analysts working on containerized applications and services

## Prerequisites

The skill you are expected to have before attending this training include:

- Working knowledge of Kubernetes, containers, and

container orchestration concepts

## Course Objectives

- Understand Cisco AppDynamics E2E Visibility in Kubernetes environments
- Learn how to install Cisco AppDynamics Cluster Agent in Kubernetes cluster
- Examine Cluster Metrics and proactive alerting in Cisco AppDynamics Controller UI
- Deploy InfraViz for Infrastructure Visibility in Kubernetes cluster
- Understand troubleshooting, monitoring, upgrading, and uses of K8s

## Detailed Course Outline

- Cisco AppDynamics E2E Visibility in Kubernetes environments
- Install Cisco AppDynamics Cluster Agent in Kubernetes cluster
- Review Cluster Metrics in Cisco AppDynamics Controller UI
- Deploy InfraViz for Infrastructure Visibility in Kubernetes cluster
- Troubleshoot K8s cluster issues using Cisco AppDynamics
- Overview of Cluster Agent to monitor Kubernetes environments
- Monitor Kubernetes applications using APM instrumentation
- Use initContainers to manually instrument K8s workloads
- Use Cluster Agent to auto-instrument K8s workloads
- Upgrade Cluster Agent
- Proactive alerting using cluster metrics

# 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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