# ProTech Professional Technical Services, Inc.

## AppDynamics

## Course Summary

### Description

This online IT training course provides a real-time business and application performance management platform, built to ensure that enterprise apps always meet customer and employee needs, deliver business value, and create loyalty. This course covers a comprehensive topic list covering the key aspects of AppDynamics deployment and use. You will discover faster, more efficient monitoring with an enterprise Application Performance Management (APM) solution that learns your apps. By understanding End-User monitoring the student can create superior experiences by monitoring where customers are connecting with your business the most. The topic of Infrastructure visibility allows the student of this Deployment and Use IT training course to monitor the servers and databases critical to supporting application performance. By the end of the course, students that include channel partners, architects, system administrators and system engineers will be able to successfully deploy and use AppDynamics.

### Objectives

After taking this course, students will be able to:
- Describe AppDynamics concepts and use
- Monitor Application
- Analyze End-User Monitoring
- Use Server Monitoring
- Understand Application Analytics

### Topics

- AppDynamics Essentials
- Application Monitoring
- End-User Monitoring
- Server Monitoring
- Application Analytics

### Audience

The primary audience for this course is as follows: System Engineers, System Administrators, Architects, and Channel Partners.

### Prerequisites

The knowledge and skills that the learner should have before attending this course are as follows: Familiarity with Applications in the Enterprise

### Duration

Two days

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## Course Outline

I. *AppDynamics Essentials*
   A. Getting Started
   B. AppDynamics Concepts
   C. Using the Controller UI
   D. Metrics and Graphs
   E. Monitor Infrastructure
   F. Custom Dashboards and Reports

II. *Application Monitoring*
   A. Model the Application Environment
   B. Business Applications
   C. Business Transactions
   D. APM for Python, Java, & .NET Applications
   E. APM for PHP & Node.js Applications
   F. APM for Apache Web Servers

III. *End-User Monitoring*
   A. Browser Real User Monitoring
   B. Browser Synthetic Monitoring
   C. Mobile Real User Monitoring

IV. *Server Monitoring*
   A. Enable Server Monitoring
   B. Monitor Your Servers using Server Monitoring
   C. Configure Server Monitoring
   D. Configure Machine Health Rules, Policies, and Alerts

V. *Application Analytics*
   A. Deployment Options and Scenarios
   B. Installing Agent-Side Components
   C. Remote Analytics Agent Sizing
   D. Configuring Application Analytics

### Lab Outline
- Introduction AppDynamics GUI
- Monitoring and Modeling Application
- End-User Monitoring
- Server Monitoring
- Application Analytics