

Appdynamics (5 Full Day Training)

Day 1: Introduction and Setup

1. Overview of Application Performance Management (APM)
 - Importance of APM
 - Key Concepts and Terminology
2. Introduction to AppDynamics
 - History and Evolution
 - Key Features and Benefits
3. Architecture and Components
 - Controller
 - Agents
 - Enterprise Console
4. Installing and Configuring AppDynamics
 - System Requirements
 - Installation Steps
 - Initial Configuration
5. User Interface Tour
 - Navigating the Controller UI
 - Key Dashboards and Menus

Day 2: Application Monitoring

1. Application Model and Business Transactions
 - Understanding Business Transactions
 - Configuring Business Transactions
2. Agent Installation and Configuration
 - Java Agent
 - .NET Agent
 - Node.js Agent
 - PHP Agent
3. Health Rules and Policies
 - Creating and Managing Health Rules
 - Setting Up Policies and Actions
4. Data Collectors and Information Points
 - Configuring Data Collectors
 - Using Information Points for Custom Metrics
5. Performance Tuning and Troubleshooting
 - Analyzing Performance Bottlenecks
 - Troubleshooting Common Issues

Day 3: Advanced Configuration and Analytics

1. Advanced Agent Configuration
 - Custom Instrumentation
 - Overriding Default Configurations
2. Service Endpoints and Backends
 - Monitoring Service Endpoints
 - Tracking Backend Services
3. Business iQ and Analytics
 - Introduction to Business iQ
 - Creating Analytics Searches
 - Building Custom Dashboards
4. Dashboards and Reports
 - Creating Custom Dashboards
 - Scheduling Reports
5. User and Role Management
 - Setting Up Users and Roles
 - Configuring Access Control

Day 4: Infrastructure and Database Monitoring

1. Infrastructure Monitoring
 - Overview of Infrastructure Monitoring
 - Server Visibility
 - Machine Agents

2. Database Monitoring
 - Setting Up Database Monitoring
 - Analyzing Database Performance
3. Network Visibility
 - Configuring Network Visibility
 - Analyzing Network Performance
4. Container Monitoring
 - Monitoring Docker Containers
 - Kubernetes Monitoring
5. Integration with Other Tools
 - Integrating with CI/CD Pipelines
 - Using REST API for Automation

Day 5: Best Practices and Real-World Scenarios

1. Best Practices for Using AppDynamics
 - Optimizing Monitoring Configuration
 - Ensuring Minimal Performance Overhead
2. Real-World Use Cases
 - Case Studies
 - Success Stories

3. Common Pitfalls and How to Avoid Them

- Misconfigurations
- Over-Monitoring

4. Hands-On Lab and Q&A

- Interactive Lab Sessions
- Addressing Participant Questions

5. Future Trends and Conclusion

- Emerging Trends in APM
- AppDynamics Roadmap
- Summary and Next Steps