

SolarWinds Server & Application Monitor Administrator Training Course

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Course Overview:

The course is designed to help IT professionals master SolarWinds SAM. It covers the setup, configuration, and administration of SAM, along with performance monitoring, best practices for server sizing, SNMP configurations, licensing management, application performance management, and troubleshooting techniques. The course provides hands-on experience with real-world scenarios and emphasizes key features like installation, web console management, and monitoring virtual environments like VMware.

Target Audience:

- IT Administrators
- Network Engineers
- System Administrators
- DevOps Engineers
- Application Managers

Targeted Organizational Departments:

- IT Infrastructure Departments
- Application Development Teams
- Network Operations Centers
- Performance Monitoring Teams

Targeted Industries:

- Telecommunications
- Financial Services
- Healthcare IT
- Government and Defense

Course Offerings:

By the end of this course, participants will be able to:

- Install and configure SolarWinds SAM.
- Implement performance monitoring for critical applications.
- Optimize server sizing and SNMP configurations.
- Manage web consoles and configure custom reports.
- Troubleshoot and upgrade SolarWinds SAM installations.

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Training Methodology:

This training course uses a variety of methods to ensure deep learning and engagement. Participants will experience a mix of theoretical instruction and practical, hands-on exercises. Case studies are used to explore real-world applications of SolarWinds SAM, and participants will engage in group work to troubleshoot server installations and application performance monitoring. Interactive sessions include role-playing to simulate typical IT issues and feedback loops to continuously improve participant understanding. Hands-on labs will cover SAM configuration, SNMP setup, database backup procedures, and server migration techniques, ensuring a holistic learning experience.

Course Toolbox:

- SolarWinds SAM installation guides
- Performance monitoring checklists
- SNMP configuration templates
- SolarWinds SAM best practices guides

Course Agenda:

Day 1: Introduction to SolarWinds SAM and Basics

- **Topic 1:** About SolarWinds and Contacting SolarWinds
- **Topic 2:** SolarWinds Server & Application Monitor Documentation Library Overview
- **Topic 3:** SolarWinds SAM vs. Orion APM: Key Differences
- **Topic 4:** Defining Applications in SolarWinds SAM
- **Topic 5:** SAM Glossary of Terms and Terminology
- **Topic 6:** How Does SolarWinds Server & Application Monitor Work?
- **Reflection & Review:** Introduction to SolarWinds SAM and its importance

Day 2: SolarWinds SAM Installation and Configuration

- **Topic 1:** Requirements for SolarWinds SAM Installation
- **Topic 2:** FIPS Support and Security Considerations
- **Topic 3:** Server Sizing for Optimal Performance
- **Topic 4:** SNMP Requirements for Monitored Devices
- **Topic 5:** Enabling Microsoft IIS for SolarWinds SAM on Windows Server 2003 & 2008
- **Topic 6:** Upgrading SolarWinds Server & Application Monitor and Migration Considerations
- **Reflection & Review:** Installation requirements and best practices

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Day 3: Managing SAM, Applications, and Reporting

- **Topic 1:** Common Tasks in SolarWinds SAM Monitoring Websites, Windows, IIS
- **Topic 2:** Scanning for Applications Worth Monitoring
- **Topic 3:** Monitoring VMware Performance Counters and Windows Services
- **Topic 4:** Creating a Custom Component Availability Report
- **Topic 5:** Managing the Web Console in SolarWinds SAM
- **Topic 6:** Configuring Views, Alerts, and Reports in the Web Console
- **Reflection & Review:** Practical tasks and monitoring applications

Day 4: Advanced SolarWinds SAM Management

- **Topic 1:** Customizing Web Console Menus and Views
- **Topic 2:** Virtualization Settings and Polling Configurations
- **Topic 3:** Managing Nodes, Groups, and Dependencies
- **Topic 4:** Licensing and License Management in SolarWinds SAM
- **Topic 5:** Configuring Thresholds and Polling Engines in SAM
- **Topic 6:** Customizing Charts and Dashboards in SolarWinds SAM
- **Reflection & Review:** Advanced features and configurations

Day 5: Application Discovery, Troubleshooting, and Reporting

- **Topic 1:** Discovering and Adding Nodes on a Network
- **Topic 2:** Managing Application Discovery and Health Monitoring
- **Topic 3:** Monitoring SNMP Traps and Syslog Messages
- **Topic 4:** Managing the SAM Database: Backups and Restoring
- **Topic 5:** Creating Custom Properties and Reports in SolarWinds SAM
- **Topic 6:** Advanced Troubleshooting and Real-Time Process Monitoring
- **Reflection & Review:** Application discovery, troubleshooting, and course wrap-up

How This Course is Different from Other SolarWinds SAM Courses:

This course apart is its focus on real-world scenarios combined with extensive hands-on practice. Unlike other courses, this program offers deep dives into both basic and advanced SAM configuration and management, catering to professionals from various industries such as healthcare IT, finance, and telecommunications. The inclusion of SolarWinds certification further enhances the value of this course by ensuring participants receive formal recognition of their skills. Additionally, the course covers emerging challenges in application monitoring, such as cloud integration and virtualization monitoring with VMware, making it a future-proof learning experience.

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- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
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- Secretarial and Administration Training Courses
- Shipping, Maritime and Ports Training Courses

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