SolarWinds Server & Application Monitor (SAM) for Linux

This document provides comprehensive details about the SolarWinds Server & Application Monitor (SAM) and its integration with Linux servers. It covers features, benefits, installation, configuration, and common use cases.

# 1. Overview of SolarWinds SAM

SolarWinds Server & Application Monitor (SAM) is a powerful tool designed to provide deep visibility into the performance and availability of applications and servers. It supports a wide range of applications, operating systems, and server types, including Linux.

# 2. Features and Benefits

SolarWinds SAM offers numerous features and benefits, including:

* Application Performance Monitoring: Monitor the performance of critical applications and services running on Linux servers.
* Server Health Monitoring: Keep track of key server metrics such as CPU, memory, and disk usage.
* Customizable Alerts: Set up alerts to notify you of performance issues or potential problems.
* Comprehensive Reporting: Generate detailed reports on server and application performance.
* Scalability: Suitable for monitoring small to large-scale environments.
* Integration with Other SolarWinds Tools: Seamlessly integrates with other SolarWinds products for a unified monitoring solution.

# 3. Installing SAM on Linux

Follow these steps to install the SolarWinds SAM agent on a Linux server:

1. Log in to the Linux server as a user with root or sudo privileges.
2. Download the SAM agent installer from the SolarWinds web console.
3. Transfer the installer to the Linux server using SCP or another file transfer method.
4. Make the installer executable by running: `chmod +x <installer-file>`.
5. Run the installer with root privileges: `sudo ./<installer-file>`.
6. Follow the on-screen prompts to complete the installation.

# 4. Configuring SAM for Linux

Once the SAM agent is installed, configure it to monitor your Linux server:

1. Log in to the SolarWinds Web Console.

2. Navigate to 'Settings' -> 'All Settings'.

3. Under 'Node & Group Management', click on 'Manage Nodes'.

4. Click 'Add Node' and enter the IP address or hostname of the Linux server.

5. Select the polling method (usually 'Agent').

6. Choose the appropriate templates and scripts for monitoring the applications and services running on the Linux server.

7. Save the configuration and start monitoring.

# 5. Common Use Cases

SolarWinds SAM for Linux can be used in various scenarios, including:

* Monitoring web servers (e.g., Apache, Nginx) for performance and uptime.
* Tracking database performance (e.g., MySQL, PostgreSQL) and ensuring availability.
* Monitoring email servers (e.g., Postfix, Sendmail) for issues and performance bottlenecks.
* Keeping an eye on application servers (e.g., Tomcat, JBoss) to ensure they are running smoothly.
* Ensuring system health by monitoring critical metrics like CPU, memory, and disk usage.