



SolarWinds® **Advanced Automation** Focused 2-Day Class

Our SolarWinds Advanced Automation class is designed to introduce seasoned SolarWinds administrators to the powerful world of the SolarWinds SDK and API. This program is ideally suited for students with at least six months of hands-on experience in SolarWinds Network Performance Monitor (NPM) and/or Server & Application Monitor (SAM) administration or those who have successfully completed the Loop1 Advanced SolarWinds Platform Administration class.

Class Overview

This class assumes students possess a foundational understanding of element polling, the Orion database schema, and are proficient in navigating the SolarWinds web console. In addition, attendees should have a good understanding of querying syntax (such as SQL or SWQL) and PowerShell scripting, as these will be used extensively throughout the class.

Topics covered in this advanced class include an in-depth exploration of the Orion SDK, working with SolarWinds Query Language (SWQL), and leveraging PowerShell to automate common administrative tasks within the Orion platform. These skills will enable participants to build more powerful, efficient, and scalable automation solutions in their SolarWinds environments.

SolarWinds Certified Professional (SCP) Exam Preparation

Please note that this class is not structured as an SCP exam preparation class.

Unique Class Offering

The SolarWinds Advanced Automation class has minimal overlap with other Loop1 classes, making it a distinctive and focused opportunity for enhancing your automation skills.

Modules Covered

This specialized class covers the following SolarWinds modules:

- Network Performance Monitor (NPM)
- Server & Application Monitor (SAM)
- Network Configuration Manager (NCM)

Unlock the potential of SolarWinds automation, gain hands-on experience with the SDK and API, and elevate your SolarWinds administration capabilities.

Class Outline

Day	Morning	Afternoon
1	Introductions & L1M3 ¹ Overview SolarWinds Database Overview Database Manager (LAB) SWQL and SWIS Overview SWQL Studio (LAB) SWQL Custom Widgets (LAB)	SolarWinds SDK Overview PowerShell Overview PowerShell ISE (LAB) VS Code and PowerShell Overview VS Code and PowerShell (LAB)
2	Real World Automation Examples Element Creation (LAB) Element Management (LAB) Deleting Elements (LAB)	Polling Engine Management (LAB) Custom Poller Management (LAB) Application Management (LAB) NCM Automation (LAB)

¹L1M3 – Loop1 Monitoring Maturity Model (pronounced Lime)

Purpose-Built Lab Environment

When you attend one of our SolarWinds Public Training classes, you gain exclusive access to our pre-built training lab environment. This resource is tailored to each module being taught, allowing you to roll up your sleeves and dive into practical, real-world scenarios. With guided lab exercises, you'll have the opportunity to apply what you've learned in a controlled environment, reinforcing your understanding and honing your skills.

Ready to secure your seat?

Visit the Loop1 website to access our up-to-date [schedule and calendar](#), where you can reserve and [pay for your seat online](#). Alternatively, feel free to reach out to your dedicated account manager to initiate a discussion and obtain a personalized quote.