AIOps Cheat Sheet
How AI-driven observability can transform your organization

We surveyed nearly **700 IT staff and leaders**, and **90%** said they had **a positive opinion** of artificial intelligence.

They're investing their budgets in AI, creating new AI processes, and envisioning future use cases and benefits.[1]

This guide outlines the various ways artificial intelligence (AI) can elevate your IT operations.
You'll discover AI-driven features designed to simplify complexity, boost efficiency, and drive smarter decision-making. We'll also explore how AIOps helps you optimize performance, minimize downtime, and stay ahead of issues.

1. Proactive Detection and Prevention

Anomaly Detection
Identify abnormal patterns in metrics, logs, and traces using AI. Detect deviations early to prevent issues before they impact your environment.

Predictive Insights
Forecast future performance and resource needs to stay ahead of demand.

Capacity Predictions
Use predictive analytics to plan resource allocation, preventing bottlenecks with real-time projections and actionable recommendations.

Machine Learning (ML)-Driven Insights
Leverage machine learning to uncover patterns, trends, and optimization opportunities, improving operations and system performance over time.
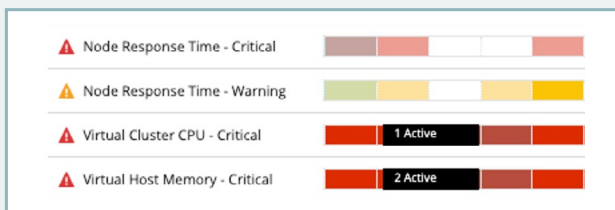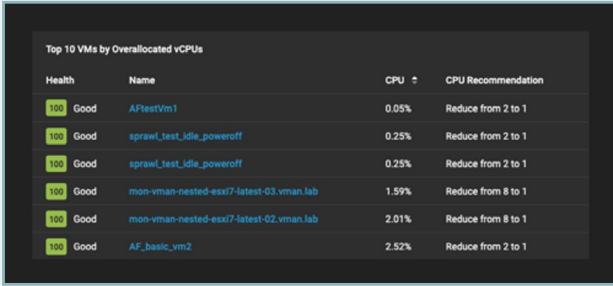

Anomaly-Based Alerts: *Quickly identify and resolve issues with intuitive timelines and grouping.* *
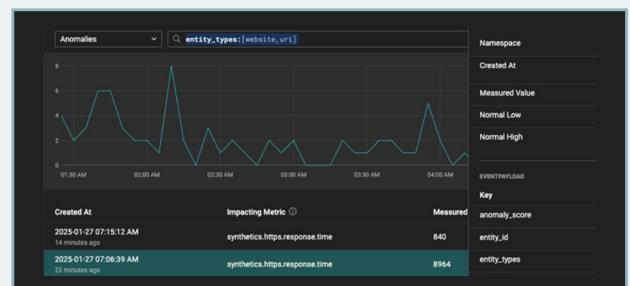

Anomaly Scoring: *Visualize normal ranges and prioritize critical insights to act faster.* *

* Unique feature of SolarWinds® Observability

[1] "SolarWinds IT Trends Report 2024: AI – Friend or Foe?" SolarWinds (Published April 2024, Accessed January 2025).

Resource Utilization Dashboards: *Uncover underutilized CPU, memory, and disk resources to optimize costs and performance.* *
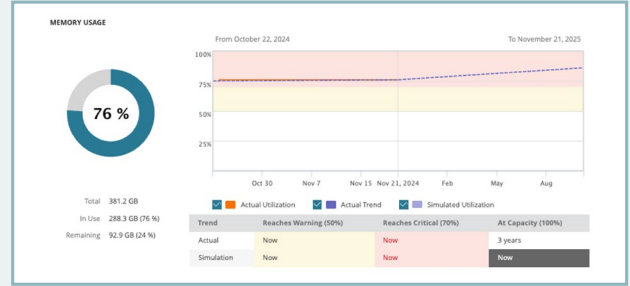

Capacity Forecasting: *Plan smarter with predictive analytics to avoid resource bottlenecks and reduce over-allocation.* *

2. Incident Management and Resolution

✓ **Intelligent Alerting**
Prioritize alerts based on business impact, reduce noise, and streamline incident response.

✓ **Event Correlation**
Connect related events to uncover patterns, root causes, and deeper insights into incidents.

✓ **Root Cause Analysis (RCA)**
Use AI-driven dependency mapping to pinpoint the root cause of issues to accelerate resolution.
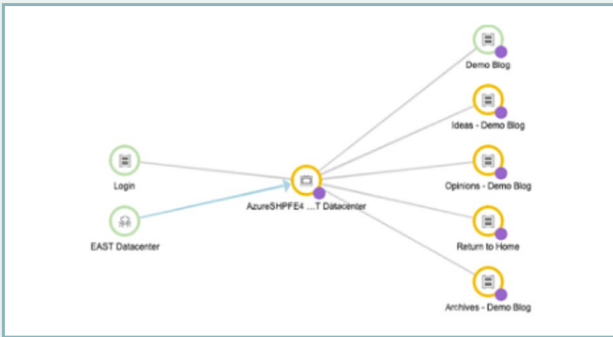
Alert Clustering: *Group related alerts into a single view for actionable insights and faster troubleshooting.* *
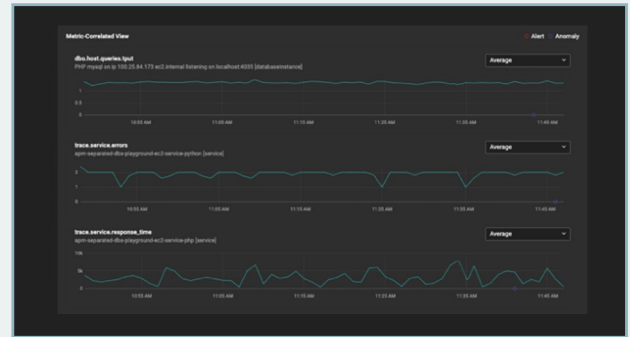
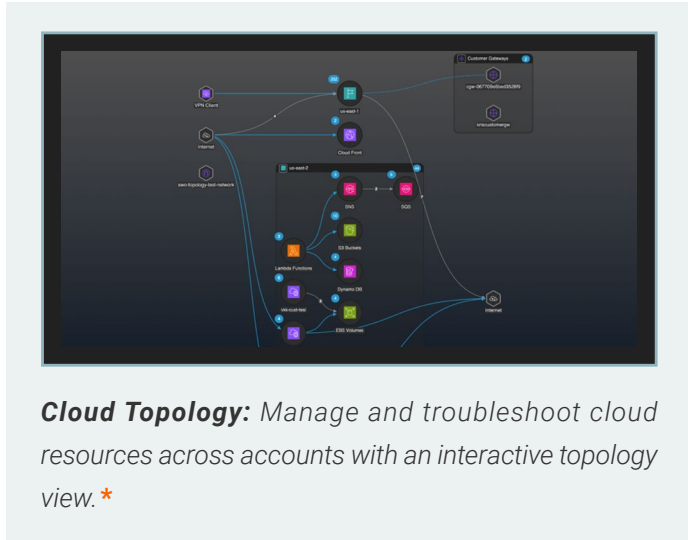**Root Cause Assist:** *Automate issue identification across critical application services to reduce downtime and boost efficiency.* *
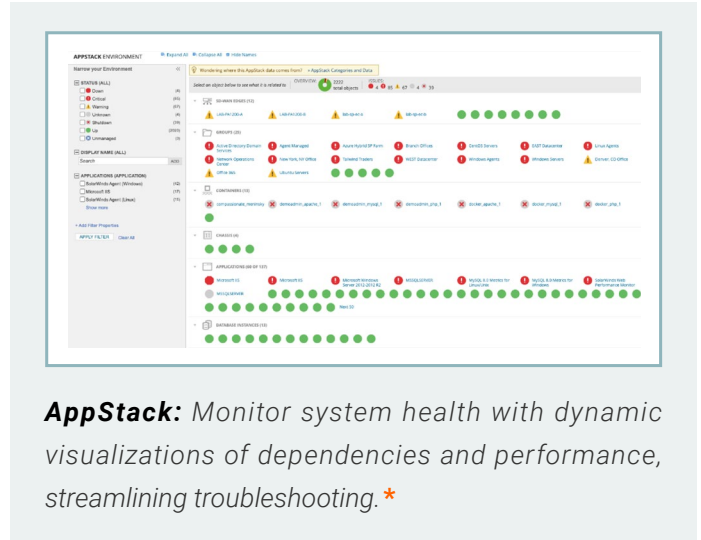
3. Actionable Insights and Visibility

✓ **Dependency Mapping**

Visualize how services and systems interconnect with AI-driven health indicators and gain a holistic understanding of your environment.

✓ **Customizable Dashboards**

Create tailored dashboards with automated insights and AI-driven widgets.

*Cloud Topology: Manage and troubleshoot cloud resources across accounts with an interactive topology view.**

*AppStack: Monitor system health with dynamic visualizations of dependencies and performance, streamlining troubleshooting.**

Why Choose AIOps for Your IT Operations?

From proactive detection to connected insights, AIOps transforms IT management by automating complexity, minimizing disruptions, and improving visibility.

✓ Scale confidently with AI-driven recommendations.

✓ Optimize resource usage and prevent costly downtime.

✓ Future-proof your infrastructure with automation-driven insights.

Unlock AI-driven observability to streamline operations, improve efficiency, and help ensure cost-effective, reliable systems.

[Start Your **Transformation** Today ›](#)

---

* Unique feature of SolarWinds Observability