

Introduction

Smart Event Scaler is an AI-based, predictive, and fully-automated horizontal pod autoscaler for Kubernetes workloads. It is designed to predict scaling for known and unknown events, empowering customers to easily schedule for known events.

Key Features

- 1. Easy to schedule events “known” and “unknown”:** Schedule known upcoming events in advance to prepare for traffic spikes. For unknown events the predictive autoscaling will take over.
- 2. Predictive Event Scaling:** Aligns scaling needs with marketing calendars by specifying when campaigns will run and anticipating high traffic volumes.
- 3. Intuitive Calendar Interface:** Provides an easy-to-use interface for scheduling scaling events.
- 4. Autonomous Scaling:** Automatically handles the scaling based on specified events and anticipated traffic spikes.
- 5. Proactive Campaign Management:** Helps in proactively managing scaling needs aligned with marketing campaigns.
- 6. High Traffic Volume Handling:** Anticipates and scales resources for high traffic volumes to ensure optimal performance.

Benefits

- 1. Enhances Customer Experience:** Automatically anticipates and adjusts to traffic spikes, ensuring smooth user interactions and optimal application performance during high-demand periods.
- 2. Cost Efficiency:** Reduces costs by dynamically adjusting resource allocation, avoiding over-provisioning, and minimizing idle resource expenses.
- 3. Improved Performance and Reliability:** Ensures applications meet Service Level Objectives (SLO) and maintain a high Application Performance Index (APDEX) by scaling resources appropriately, providing a consistent and reliable user experience.
- 4. Operational Efficiency:** Saves time and resources for the operations team by automating the scaling process and eliminating the need for manual interventions.

Conclusion

Smart Event Scaler enhances Kubernetes workload management with predictive, automated scaling. Its intuitive calendar interface and autonomous scaling handle high traffic volumes efficiently. Benefits include improved customer experience, cost efficiency, operational efficiency, and proactive resource management. It ensures resources meet SLOs and maintain high APDEX scores for reliable performance.

How It Works

Deployed as a SaaS, Smart Event Scaler provides an easy-to-use calendar interface to create individual or repeating events guaranteeing SLO and positive APDEX. The calendar function is intuitive and as easy as using any calendar software.



Easily schedule and scale upcoming events