Progress® Semaphore™

Semaphore 5.8

Elevate knowledge management, enhance customer experience and reduce integration costs

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DATA SHEET

Introduction

Enterprises across the globe face unprecedented complex data challenges. As information continues to grow and markets, regulations and industries evolve, so does the technology that powers the management of content and data. Expanding Semaphore's capabilities can allow businesses to maximize the return on their data's true value.

Modernizing Your Platform for Continuous Business Value

The pace of technological advancement and the exponential growth of data necessitate a platform that isn't just functional, but adaptive – a platform that anticipates the changing business needs and progresses alongside them. Evolving your platform can be complex. It is crucial for businesses to consistently deliver value to the business, maximize their investments and pave the way for future innovations.

As you look to stay at the forefront of technological advancements, upgrading to Progress® Semaphore™ 5.8 can help you drive efficiency and provide better understanding of your data. Upgrading to the latest version isn't just about accessing new features; it's about securing a competitive edge, unlocking enhanced performance and leveraging the full potential of your data.

It is imperative that your semantic platform provides the following to address today's business needs.

Breadth and quality of features

The platform's ability to provide a thorough suite of features designed to cater for diverse business needs with market-leading capabilities.

Ease of customization

The platform's ability for customization allows users to tailor workflows, interfaces and functionalities to align with business needs and requirements.

Usability and intuitiveness

Business user-friendly environment that enables effortless and swift adoption with intuitive user experience.

Ease of integration

The platform's ability to integrate with existing downstream systems, integrating diverse data sources for an enriched data ecosystem.

Business value created

The platform's ability to bring value to the enterprise by transforming complex data into actionable insights.

Enterprise scalability

The platform's ability to grow and scale across the enterprise, seamlessly accommodating varying data volumes and business needs.

As we enhance Semaphore, our semantic AI platform, we focus on product updates that include market demands and customer feedback which helps us to deliver a platform that is high-performing, user-friendly, scalable and secure. Your investment into the upgrade yields the desired results and paves the way for sustained innovation and competitive advantage in the rapidly evolving digital landscape.

What's New in Semaphore 5.8

With the launch of Semaphore 5.8, customers can see our latest innovations, and know that Semaphore has everything they need to stay up to date, which includes enhancements and improvements across all Semaphore modules. Our goals are to accelerate the time to value, while evolving the security and achieving engineering excellence.

User Experience

Feature	Description
Extensions to modelling capabilities	Adding metadata on relationships is useful to qualify relationships between concepts with extra data and create multiple groupings of metadata on an individual relationship. For example, the ability to time constraint relationships and define multiple time periods enables the easy qualification of relationships between concepts. This extra level of qualification makes it easier to model connections for downstream systems.
Improved workflows and alerting	A new alert manager is being introduced that is connected to the publishing engine so that users be notified when their model is published. This will enable the early identification of changes that are likely to affect downstream systems, accelerating the time-to-market of model changes and facilitating better coordination between teams.
Technical preview of text-mining side panel	Analyze large amounts of content and find relevant insights for better decision-making. The text-mining side panel facilitates the semantic querying of classified content stored in the MarkLogic (ML) database, searching for patterns of common metadata and phrases, it allows users to enrich their model in a meaningful way. This results in a better fit between the model and the data, leading to actionable intelligence for smarter decision-making.
Precision and Recall Server upgrades	Users can check the accuracy of the classification and track improvements as changes are made to the model or the classification strategy.
Entry point to MarkLogic	Seamlessly accessing the MarkLogic server directly from the main interface of the Semaphore Studio brings great convenience and efficiency to business workflows. With this integrated approach, users can effortlessly transition between platforms, leveraging the strengths of each without the hassle of switching between multiple interfaces.

Developer Experience

Feature	Description
Introduction of Concepts Server	The Concepts Server is a MarkLogic backed high-availability, flexible store for published models. It delivers a high-availability, read-only model interface backed by the MarkLogic database. By using a more reliable and flexible API (REST and GraphQL), users can obtain the data they require with precision. Having models stored in the new store makes it easier to access and share across teams.

Technology Updates

Feature	Description
Updating and re-architecture of Semaphore Studio interface	Elevate the look and feel of your Semaphore Studio interface for better user experience. The modernization of the interface provides our users with an intuitive, adaptable and responsive interface for more engaging experiences while maximizing the platform's capabilities.
Continuous expansion of React usage	The platform leverages the React library to ensure the responsive and dynamic user interface as well as to enable easier installation and maintenance. The continuous expansion aims to enhance the overall user experience and support for modern technology.
Unification of web applications	All Semaphore web applications now use the same underlying application server framework. This streamlines and optimizes the platform performance and enhances efficiency. Underlying libraries have been updated to remove security vulnerabilities, helping alleviate user concerns.
Classification Server and Language Pack updates	Experience better quality of fact extraction and semantic classification with the introduction of entity chaining and pronoun resolution. This helps users with enhanced identification of trends and patterns in data to uncover new insights. These updates enable users to make better decisions based on their data. Language packs are being updated, allowing users to improve their classification quality.

Other minor improvements include:

- Improvements to Oauth session termination
- Better handling of some password characters
- Versioned indexes can be used in multi-index Semantic Enhancement Server (SES) requests
- Boolean metadata does not break Excel import templates
- Language can now be set in the properties file in the Precision and Recall Tool
- Better checking on file names in the Precision and Recall Tool

Drive Product Direction

Your feedback and engagement are crucial, allowing us to make continuous improvements and provide the technology that drives your success.

Submitting new ideas

Our new portal makes sharing your enhancement requests easy and collaborative! You can submit, comment and vote on ideas submitted on the portal. In addition, as ideas are actioned by the Semaphore team, idea creators and subscribers receive automatic emails on significant status changes and comments. You can access the portal at https://progressdataplatform.ideas.aha.io/, and we look forward to working on your new ideas.

→ **Migrate to the latest Semaphore version and unlock a new world of possibilities**

About Progress

Progress (Nasdaq: PRGS) provides software that enables organizations to develop and deploy their mission-critical applications and experiences, as well as effectively manage their data platforms, cloud and IT infrastructure.

As an experienced, trusted provider, we make the lives of technology professionals easier. Over 4 million developers and technologists at hundreds of thousands of enterprises depend on Progress. Learn more at www.progress.com

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