SUSE CaaS Platform

Containers speed application delivery, facilitate application portability and enable a new class of highly performant cloud-native applications. However, as container use grows, so too grows the need for production-grade container orchestration at scale. Kubernetes and associated open source technologies can help, but enterprises need more. SUSE CaaS Platform brings container management to the enterprise, answering the need for an integrated solution built on proven open-source technology.

**Product Overview**
SUSE CaaS Platform is a Kubernetes-based container management solution used by application development and DevOps teams to more easily and efficiently deploy and manage containerized applications and services. Enterprises use SUSE CaaS Platform to reduce application delivery cycle times and improve business agility. Focused on providing an exceptional platform operator experience, SUSE CaaS Platform delivers Kubernetes innovations in a complete, enterprise-grade solution that enables IT to deliver the power of Kubernetes to users more quickly, consistently and cost-effectively.

**Key Benefits**
- **Accelerate modern application delivery with Kubernetes,** today’s leading container management platform.
- **Simplify management and control** with an exceptional Kubernetes platform operator experience.
- **Maximize return on investment** with a flexible, no lock-in solution.

**Key Features**
A Cloud Native Computing Foundation (CNCF) certified Kubernetes distribution, SUSE CaaS Platform automates the orchestration and management of your containerized applications and services with powerful Kubernetes capabilities, including:

- **Workload scheduling** places containers according to their needs, while improving resource utilization.
- **Service discovery and load balancing** provides an IP address for your service and distributes the load behind the scenes.
- **Health monitoring and management** supports application self-healing and ensures application availability.
- **Non-disruptive rollout/rollback** of new applications and updates enables frequent changes without downtime.
- **Application scaling up and down** accommodates changing loads.
In addition, SUSE CaaS Platform simplifies the Kubernetes platform operator’s experience. It includes everything you need to get up and running quickly and to manage the environment effectively in production. It provides:

- **Enterprise hardening**, including comprehensive interoperability testing, support for thousands of platforms and world-class platform maintenance and technical support.

- **Application ecosystem support** with SUSE Linux container base images, as well as access to tools and services offered by SUSE Ready for CaaS Platform partners and the Kubernetes community.

- **Enhanced data center integration** features that enable you to plug Kubernetes into new or existing infrastructure, systems and processes.

- **End-to-end security**, implemented holistically across the full stack.

- **Advanced platform management** that simplifies platform installation.

- **Streamline application lifecycle management** with containers that ensure consistent operation across development, test and production environments, and with process automation that reduces friction between development and operations teams, facilitating more effective DevOps workflow integration.

- **Build rapidly evolvable, highly resilient, cloud-scale applications** with support for cloud-native application architectures, processes and organizations. Whether you are creating new applications from scratch or modernizing existing code, SUSE CaaS Platform helps you take full advantage of containerization to deliver applications that meet the ever-changing demands of today’s digital enterprise.

- **Speed innovation** by enabling more rapid idea exchange using modular, microservice-based applications, which allow new code and incremental changes to be introduced frequently and rapidly. Identify successes faster with simple execution of fail-fast experimental models, canary testing, and A/B deployments.

**Accelerate Modern Application Delivery**
Leverage the power of Kubernetes to reduce cycle times from months to weeks, days and even hours, and watch your business agility soar. Use SUSE CaaS Platform to:

- **Enhance productivity** by automating time-consuming operational tasks, including application deployment, load balancing, scaling and availability management. Declarative programming makes it as simple as describing a desired application deployment end state and letting SUSE CaaS Platform take care of the rest.

**An Exceptional Operator Experience**
Simplify Kubernetes administration with a distribution that replaces complex Kubernetes platform management with an exceptional operator experience. SUSE CaaS Platform helps you:
Reduce time and cost with efficient installation and configuration of your Kubernetes environment. With SUSE CaaS Platform, you can set up a complete Kubernetes cluster quickly and easily. There is no need to manually configure each node; instead, provided tooling enables you to roll out a mass deployment in minutes, in an automated way, with minimal interaction.

Simplify operations with easy scaling and availability management. Use simple and comprehensive command line tools to monitor your cluster and to add and remove master and worker nodes. You can leverage familiar and proven SUSE AutoYaST technology to deploy nodes on demand for easy, flexible scaling.

Keep up with the latest Kubernetes advances with automated platform updates. SUSE updates your system with the latest technology features, security patches and maintenance releases in the way you want: automatically for hands-off simplicity or on-your-command for complete governance and control—all without any downtime.

Satisfy internal compliance standards and enjoy peace of mind with an enterprise-grade solution based on a rock-solid container OS and backed by world-class support. Offer Kubernetes to your users with confidence, knowing that SUSE® ensures the reliability, scalability and robustness of SUSE CaaS Platform, including all component technologies.

Maximize Return on Investment

Your investment in the right container management solution will pay you back—now and into the future. Maximize your return with SUSE CaaS Platform, which enables you to:

Avoid vendor lock-in with an open platform that you control, across the infrastructure of your choice. By fully supporting public, private and hybrid cloud computing, the SUSE open approach preserves your freedom to use the technologies you prefer (including a variety of cloud platforms), without compromising your ability to leverage emerging technologies at every step along the way.

Leverage and extend your investments with a low-risk solution that enables modern application delivery while integrating into your existing environments. Based on proven, de-facto standard Kubernetes technology, SUSE CaaS Platform will carry you safely into the future, facilitating the deployment and operation of a wide range of containerized applications—from simple lift-and-shift workloads, to new cloud-native applications and every configuration in between. Support for thousands of infrastructure platforms enables you to take flexible advantage of existing and new infrastructure choices to host your new application delivery platform.

The ability to integrate into many commonly used third-party solutions enables you to continue to use the same systems you are already using to manage users, security and pipeline automation. SUSE CaaS Platform also integrates seamlessly into the SUSE complete portfolio of software-defined infrastructure solutions, providing opportunities to leverage and extend your investments across multiple transformation initiatives.

Grow and implement successfully with services available from SUSE, a CNCF certified Kubernetes service provider, and from our broad ecosystem of partners—all with complementary offerings to enhance your solution.
With SUSE, modern application delivery is a reality. Let us show you the way!

Contact us at:
www.suse.com