



# SUSE® Cloud Application Platform

It's all about accelerating application delivery—introducing new capabilities that move business forward, keeping up with customers and ahead of the competition. The need for speed is real, and to be successful IT teams must embrace it. New application architectures, organizational models, and agile processes each play a role, but the backbone of application delivery transformation is the technology infrastructure that brings it all together. SUSE® Cloud Application Platform gets you there faster, driving automation and productivity throughout the application delivery lifecycle.

## Product Overview

SUSE Cloud Application Platform is a modern application delivery platform used by software development and operations teams to streamline lifecycle management of traditional and new cloud native applications. Integrating industry leading Cloud Foundry and Kubernetes technologies, the platform brings a proven model for accelerating application delivery to a modern container infrastructure that is rapidly becoming the de facto standard, opening a clear path to increased business agility, led by enterprise development, operations, and DevOps teams.

## Key Benefits

- **Accelerate innovation** with a single platform that brings together industry leading Cloud Foundry and Kubernetes technologies for rapid application delivery at scale.
- **Reduce complexity and improve IT efficiency** with a lean cloud application platform that is easy to install, simple to scale, and effortless to maintain.
- **Maximize return on your investment** with enterprise-ready, industry leading technologies.

## Key Features

SUSE Cloud Application Platform stands out with important features that reflect the powerful combination of technology vision, innovative engineering, and industry experience that have made SUSE a leader in delivering open source solutions to the enterprise. Notably, the solution:

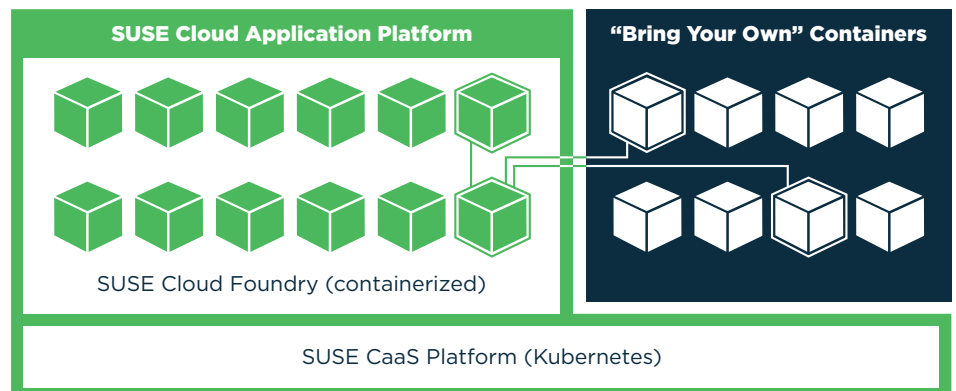
- **supports multiple application delivery models**, giving enterprises flexibility to use the right approach for every job. Leverage turnkey Cloud Foundry automation to maximize

productivity at factory scale, and depend on Kubernetes to deliver applications with specific architecture or delivery process requirements.

- **packages SUSE Cloud Foundry as a containerized distribution, managed by Kubernetes**, which simplifies SUSE Cloud Foundry deployment and management while also making the platform lean—consuming a fraction of the memory footprint of other Cloud Foundry distributions—and faster to recover and scale.

## SUSE Cloud Application Platform

Manages containerized Cloud Foundry and other containers



- **is built on SUSE Linux Enterprise**, providing an enterprise-class operating system as the basis for SUSE Cloud Foundry, your containerized workloads, and the container operating system.

#### APPLICATION DEVELOPMENT

Leveraging built-in SUSE Cloud Foundry, SUSE Cloud Application Platform provides an end-to-end productivity model that frees you from container creation and maintenance tasks, simplifies access to services, and drives valuable cross-organization consistency. Your code is packaged into containers automatically by buildpacks, always including the latest language-specific libraries you need. Developer support includes:

- *buildpacks for Java, Go, .NET, Node.js, Ruby, PHP, Python, static websites, and binary executables*
- *configurable Cloud Foundry service brokers for exposing external services to users and applications*

#### APPLICATION OPERATION

SUSE Cloud Application Platform automates the operation of your container-based applications and services, regardless of how you build them. You get:

- *automated scheduling and placement of containers onto available infrastructure, with consideration to their needs and constraints*
- *persistent storage, for sharing data across containers*
- *service discovery and load balancing*

- *easy horizontal and vertical application scaling*
- *application availability management, with built-in health monitoring and automated recovery*
- *automated logging of workload and infrastructure performance*
- *rolling application updates*

#### PLATFORM MANAGEMENT

The platform that delivers your applications is itself easy to manage:

- *The Stratos UI web dashboard manages Cloud Foundry clusters and the workloads running on them*
- *SUSE Cloud Foundry and Stratos UI are containerized and run on Kubernetes, making them easy to deploy and maintain*
- *Kubernetes is provided by SUSE CaaS Platform, which simplifies installation, configuration, and ongoing management of Kubernetes. Using tools provided by CaaS Platform, you can roll out an automated deployment in minutes with minimal interaction. Monitor and scale your cluster with straightforward commands or the web-based deployment dashboard*

#### ENTERPRISE-READY

SUSE Cloud Application Platform is ready for the demands of production use in your enterprise. It is:

- *a complete solution, with everything needed to accelerate application delivery, including:*

- SUSE Cloud Foundry
- Stratos UI
- SUSE CaaS Platform
- SUSE Enterprise Storage
- *supported on today's preferred enterprise infrastructure, including:*
  - **Private cloud:** SUSE OpenStack Cloud
  - **Public clouds:** Amazon Web Services, Google Cloud Platform, Microsoft Azure
  - **VMs:** KVM, Xen, VMware vSphere/ESXi, Microsoft HyperV
  - **Bare metal:** any servers supported by SUSE Linux Enterprise Server
- *a hardened offering that assures security, reliability, scalability, and robustness throughout the software stack*
  - Based on industry-proven SUSE Linux Enterprise
  - Maintained and tested holistically to ensure interoperability

For more information, visit: [www.suse.com/products/cloud-application-platform/](http://www.suse.com/products/cloud-application-platform/)

