



# 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 to bring an advanced, cloud native developer experience to Kubernetes—the de facto standard for enterprise container orchestration. SUSE Cloud Application platform eliminates manual IT configuration and helps to accelerate innovation by getting applications to market faster. Developers can serve themselves and get apps to the cloud in minutes instead of weeks, while staying within IT guidelines and without relying on scarce IT resources to perform manual configuration each step of the way. Streamlining application delivery opens a clear path to increased business agility, led by enterprise development, operations and DevOps teams.

## Key Benefits

- **Boost developer productivity** with easy, one-step deployment of cloud-native applications, using the language and framework most appropriate for the task.
- **Reduce complexity and increase IT efficiency** with a single, lean platform that brings together proven open source technologies for rapid application delivery at scale.

## ■ Maximize return on investment

with industry-leading open source technologies that leverage your existing investments.

## 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.

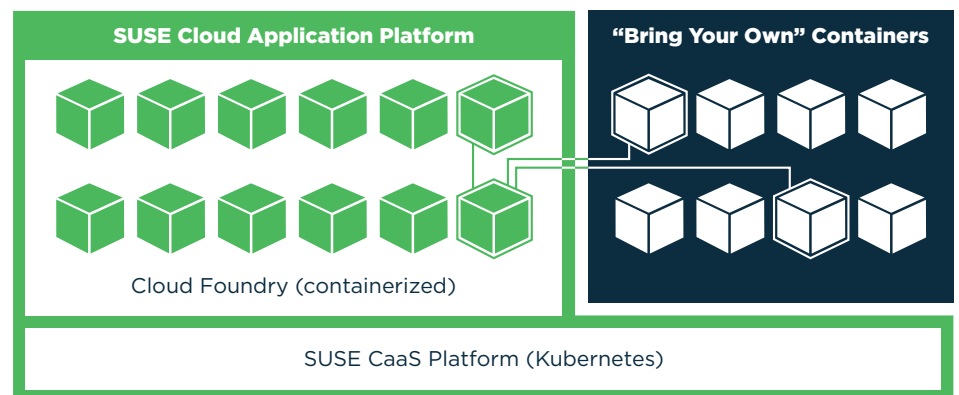
## ■ One-step application deployment

enables developers to simply push applications from their desktop, using the CLI or web UI. SUSE Cloud Application Platform automatically configures the environment, provides required dependencies, binds required services and deploys the application as a container, which is then automatically managed and scaled.

- **Lean and fast.** SUSE Cloud Application Platform increases efficiency by running in lightweight

## SUSE Cloud Application Platform

Manages containerized Cloud Foundry and other containers



containers, not resource-hungry virtual machines. It consumes a fraction of the memory footprint of other distributions, while being faster to recover and scale.

- **Enterprise ready**, 100 percent open source technology—including SUSE Linux Enterprise Server, Kubernetes, [Cloud Foundry](#) and [Stratos UI](#)—protects your investment and lowers your risk.
- **Fault tolerant and self-healing**, with high availability for critical components, SUSE Cloud Application Platform monitors the health of all containers and automatically restarts failed ones.

#### APPLICATION DEVELOPMENT

Leveraging built-in 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, binary executables and more.*
- *Configurable Cloud Foundry service brokers for exposing external services to users and applications, including service brokers for Amazon EKS and Azure AKS.*

#### 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 of 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

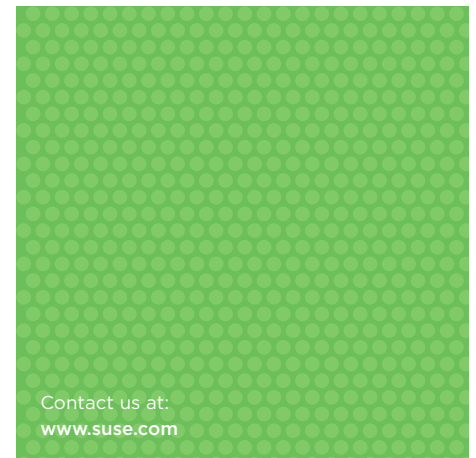
The platform that delivers your applications is easy to manage:

- *The Stratos UI web console manages and monitors Cloud Foundry clusters and the workloads running on them, including Kubernetes nodes and pods.*
- *Cloud Foundry and Stratos are containerized and run in Kubernetes, making them easy to deploy and maintain.*
- *Kubernetes is provided by SUSE CaaS Platform, which simplifies installation, configuration and ongoing management of Kubernetes. Amazon EKS and Azure AKS are also supported.*

#### ENTERPRISE-READY

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

- *A complete solution, with everything you need 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, Amazon EKS, Microsoft Azure and Azure AKS
  - **VMs:** KVM, Xen, VMware vSphere/ESXi and 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/)

