# WHY use SUSE CaaS Platform?

**ORCHESTRATION IS A KEY FUNCTIONALITY** NEEDED TO DEPLOY CONTAINERS FOR PRODUCTION. SUSE CAAS PLATFORM USES OPEN SOURCE KU BERNETES TO PROVIDE PRODUCTION GRADE CONTAINER ORCHESTRATION AT SCALE.

Orchestration is a key functionality needed to deploy containers for production. SUSE CaaS Platform uses open source Ku bernetes to provide production grade container orchestration at scale.
Kubernetes is integrated with the optimized container and microservices. Operating System—SUSE MicroOS—to provide a unified system that is easy to setup and use. SUSE CaaS Platform takes away the complexity in setting up and deploying Kubernetes. An easy-to-use administrator dashboard helps you to de-ploy, manage and update cluster nodes. The SUSE CaaS Platform includes two types of nodes:

- Administrator node
- Cluster nodes

## OS FOR MICROSERVICES AND CONTAINERS

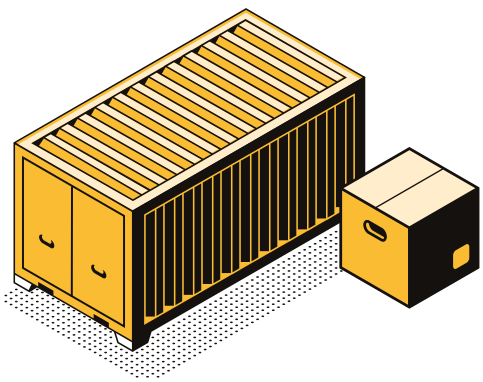
AT THE HEART OF SUSE CAAS PLATFORM IS SUSE MICROOS, THE MICROSERVICES AND CONTAINER HOST OS.

With a one-step configuration, SUSE MicroOS provides the necessary agility and performance so you can quickly setup and add components as you go along maturing the container
application. SUSE MicroOS is a single purpose Operating System, designed for microservices and containers and optimized for large deployments. The word “Micro” in MicroOS signifies microservices. The MicroOS inherits the SUSE Linux Enterprise knowledge and technology while redefining the
operating system into a purpose-built, efficient and reliable distribution. As a result, your containerized apps can benefit from enterprise grade security and performance of the underlying OS.

## CONFIGURATION

THERE IS A NEED TO MOVE AWAY FROM THE CONFIGURATION OF SINGLE HOSTS AND INSTEAD CONFIGURE A COMPLETE CLUSTER. HANDLING THE COMPLETE CLUSTER THE SAME WAY—WITH AUTOMATIC CONFIGURATION—ALLOWS YOU TO CONCENTRATE ON APPLICATION DEVELOPMENT.

SUSE CaaS Platform uses open source Salt to automate the cluster at scale. Salt pro-vides a very scalable, fast and secure way of communicating with systems in real time. Using Salt you can achieve a complete and automatic installation and konfiguration of the SUSE CaaS Platform components Additionally, you can automate configuration using cloudinit to pass configuration data to systems.



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# WHY use SUSE Cloud Application Platform?

**BOOST DEVELOPER PRODUCTIVITY** WITH EASY ONE STEP DEPLOYMENT OF CLOUD NATIVE APPLICATIONS USING THE LANGUAGE AND FRAMEWORK MOST APPROPRIATE FOR THE TASK.

▶ **One step application deployment** allows 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.

▶ SUSE Cloud Application Platform allows agile teams to develop and deploy software **solutions faster than ever before** and manage them more effectively. 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.

▶ **Leverage your in-house skills** by allowing developers the flexibility to work with the best choice of language and framework for any task. SUSE Cloud Application Platform supports any language or framework using open source buildpacks.

**REDUCE COMPLEXITY AND IMPROVE IT EFFICIENCY** WITH A SINGLE, LEAN, PLATFORM THAT BRINGS TOGETHER PROVEN OPEN SOURCE TECHNOLOGIES FOR RAPID APPLICATION DELIVERY AT SCALE.

▶ **Multiple cloud deployment models** provide flexibility for IT teams. SUSE Cloud Application Platform is deployed in, and managed by, any Kubernetes, whether in the public cloud or your own private datacenter.

▶ **Increase efficiency with a lean and fast platform.** SUSE Cloud Application Platform runs in lightweight containers, not resource-hungry virtual machines. It consumes a fraction of the memory footprint of other distributions, while being faster to recover and scale.

▶ **Easy to install with Helm charts, SUSE Cloud Application Platform is managed by Kubernetes**, ensuring that the environment remains available, automatically recovers and scales without downtime, and manages load according to your established criteria.

**MAXIMIZE RETURN ON YOUR INVESTMENT** WITH INDUSTRY LEADING OPEN SOURCE TECHNOLOGIES THAT LEVERAGE YOUR EXISTING INVESTMENTS.

▶ **Lower risk by aligning with industry momentum around open source technologies that are leading the industry today and will be around tomorrow.** SUSE Cloud Application Platform protects you from vendor lock-in while also keeping you up to date with the latest advances in Kubernetes and Cloud Foundry.

▶ **Gain the benefits and value of a thriving ecosystem of contributors**, working with technologies and skills that your developers and IT operations staff will want to learn. The extensive Kubernetes and Cloud Foundry ecosystems can help expand your reach and help you achieve your business goals faster. If your organization has existing Kubernetes skills, leverage those to manage SUSE Cloud Application Platform.

▶ **Protect your investment by using enterprise ready, open source technology.** Meet the demands of production use in your enterprise with a 100% open source software solution that delivers the security, reliability, scalability, and robustness of the complete software stack, from Cloud Foundry and Kubernetes, right down to the SUSE Linux operating system.