SUSE® Cloud + Stackato = Cloud Foundry Private PaaS for the Enterprise

Deploy applications faster and stay ahead of the competition by using Stackato on SUSE® Cloud. With Stackato (based on Cloud Foundry) and SUSE Cloud (based on OpenStack), you can rapidly deliver the resources needed for next generation application development.

The Advantages of a Private Cloud

Enterprise gain a competitive advantage when they are able to quickly create, deploy, and efficiently manage software solutions that immediately create business value. A private Platform-as-a-Service (PaaS) enables enterprise developers to leverage all the benefits of a public PaaS while meeting the security and privacy requirements your enterprise demands.

- **Security**: A private PaaS is exclusive to your enterprise, hosted on your private cloud behind your firewall and complies with your corporate IT security requirements.
- **Privacy**: A private PaaS enables you to limit access to sensitive information within your organization to those who require it, while giving you control over where that data is stored to achieve better compliance.
- **Control**: A private PaaS enables IT to provide developers with the self-service and choice of capabilities they demand while maintaining visibility and control over the resources and infrastructure they use.
- **Customization**: A private PaaS can be integrated with your existing IT infrastructure—databases, web servers, and authentication systems—and configured to support multiple languages.

Why Stackato and SUSE Cloud?

Get the most out of your cloud technology investment by using Stackato on SUSE Cloud. With Stackato and SUSE Cloud you can deploy your applications faster and stay ahead of the competition.

Using Stackato’s automated provisioning developers can configure the application environment, removing the roadblocks and hurdles typically associated with the application lifecycle. This means you can deploy your apps to the cloud in minutes, instead of weeks. And Stackato easily deploys on SUSE Cloud, the leading
OpenStack-based solution for fast deployment and streamlined management of highly available, mixed hypervisor infrastructure-as-a-Service (IaaS) private clouds. Stackato and SUSE Cloud together give you the ability to develop, deploy and manage your business applications more efficiently—and the flexibility to scale and adapt to meet changing user needs and business demands.

**Deploy Your Apps Faster and Stay Ahead of the Competition**
By streamlining the application lifecycle, you can deploy applications faster, saving you time and money. With Stackato and SUSE Cloud, developers can get apps to the cloud in minutes, not weeks.

**Greater Security So You Know Your Apps Are Safe**
The combination of Stackato and SUSE Cloud provides enterprises with tighter security, better compliance and more control over secure, sensitive data. Since Stackato uses Docker containers, you know that your apps are safe on the cloud.

**Flexible Platform That Gives You All the Tools You Need**
The polyglot nature of Stackato and SUSE Cloud means you can give your developers the flexibility to work with the best choice of language for any task.

**Improve Your Agility and Scalability to Better Meet User Demand**
Stackato and SUSE Cloud scale easily to meet the needs of individual developers on smaller projects or the mission-critical operations of large enterprises. As usage grows, Stackato and SUSE Cloud automatically scale applications and the underlying infrastructure to better meet end-user demand.

**Increase Productivity and Innovation**
Stackato and SUSE Cloud work together to automate the configuration, deployment and management of applications, not only freeing your team from worrying about infrastructure resources and middleware configuration, but enabling a fast, simple test environment for all your innovative ideas.

**WHAT YOU GET WITH STACKATO AND SUSE CLOUD**
- Secure, scalable architecture
- Secure, multi-tenant containers
- Web management console
- Enterprise-grade user management
- Customizable app store
- Centralized cluster administration
- Consolidated logging
- Usage and billing API
- Continuous access to cloud services
- Enterprise-grade SLAs
- Hypervisor choice for production applications
Stackato is the Leading Independent Cloud Foundry Based PaaS

Stackato is a secure, stable, and commercially supported Platform-as-a-Service (PaaS) that uses Cloud Foundry as its foundation and incorporates other leading open source components such as Docker. Sitting between the software and the infrastructure layers, Stackato is an application platform that gives developers the freedom they want and IT the control they need. With Stackato, developers can deploy applications themselves because the platform provides all of the components needed to get their applications up and running in the cloud. By empowering developers, IT no longer needs to manually configure the application environment, saving significant time and reducing the application lifecycle. Stackato’s easy-to-use web console simplifies administration for IT and makes monitoring applications easy. To learn how Stackato helps developers and IT operations work together more efficiently, visit: www.stackato.com

How It Works

Stackato runs on top of SUSE Cloud infrastructure, providing the middleware capabilities to develop and launch your cloud applications. And Stackato can be easily deployed through the open APIs of OpenStack used by SUSE Cloud.

While Stackato provides an agile, robust cloud application platform, SUSE Cloud manages the overall activities of the private cloud. As an open standards-based cloud computing platform, it easily integrates with Stackato, providing the necessary control over pools of compute, storage and networking resources and delivers them on-demand for developers using a private PaaS. SUSE Cloud enhances developer agility by ensuring they have the computing resources they need when they need them.

Stackato automates the autoscaling of the Stackato cluster using the SUSE Cloud dashboard. Working seamlessly together Stackato and SUSE Cloud enable you to expand and reduce cloud resources based on user demand, reducing set-up time and increasing the productivity of your cloud administrators and developers.
SUSE Cloud Is Enterprise OpenStack

A fully supported IaaS platform for Stackato, SUSE delivers a rock-solid OpenStack distribution that rapidly deploys and easily manages highly available, mixed-hypervisor, private clouds. The SUSE Cloud Administration Server provides an integrated and repeatable installation framework that maintains the enterprise’s flexibility to address their unique requirements. Working through an easy-to-use graphical interface, cloud administrators can efficiently deploy their OpenStack private cloud and quickly add compute and storage capacity as demand increases. SUSE Cloud’s seamless set-up enables enterprises to realize faster value from their investment.

As part of the installation framework, SUSE Cloud automates high availability configuration and deployment of critical cloud services. The high availability capabilities of SUSE Cloud reduces unplanned downtime of the cloud’s services, ensuring that users can continue to access the resources they need when they need them, while cloud administrators can deliver the SLAs necessary for a production-ready rollout of cloud services. It does this by using high availability clustering to automate the recovery of the SUSE Cloud Control Node and deliver uptime of the OpenStack services that operate and control the cloud.

Companies using the cloud need to look at the three key layers of cloud computing: the infrastructure, platform and applications/software layer. SUSE Cloud automatically manages and provisions virtual machines, networks and storage and supports virtual infrastructure running KVM, Xen and Microsoft Hyper-V as well as VMware vSphere through integration with VMware vCenter. This enables enterprises to maintain their current investments while evolving their infrastructure to meet future needs. Enterprises have increasingly deployed multiple hypervisors in their data centers to optimize workload performance, while lowering licensing costs. SUSE Cloud provides support for mixed hypervisor cloud environments, so enterprises can maintain the flexibility of a multi-hypervisor environment and maximize previous investments in technology and skills.

The combination of Stackato and SUSE Cloud provides the open and enterprise-supported private PaaS environment you need to smoothly transition your application development lifecycle. As a result, you can increase business agility, economically scale IT capabilities and easily consume the future innovations of Cloud Foundry and OpenStack.

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