Hewlett Packard Enterprise

Automate application development and delivery

SUSE Cloud Application Platform running on HPE servers

One flexible platform includes everything you need to streamline every stage of lifecycle management for both traditional and cloud-native applications.

Innovation that is open for all

HPE and SUSE share a 25+ year relationship—that's longer than some Linux® vendors have been in existence. HPE has named SUSE its preferred Linux partner, and SUSE Linux is the only operating system embedded on every HPE ProLiant server motherboard and in the HPE factory. HPE and SUSE share:

- An end-to-end portfolio of services and support, including cloud, Linux and open-source leadership, mission-critical workloads, and software-defined storage

- Secure, scalable, high-performance computing (HPC) solutions

- Co-innovation, including deep collaboration on OpenStack® and Cloud Foundry®

- SAP HANA® leadership

The name of the game is "agility"

More important now than ever before, agility is the key to your business success. To keep your organization moving forward, your IT department must deliver more apps faster and more efficiently.

New application architectures, organizational models, and agile processes all contribute, but the key to application delivery transformation is the underlying technology infrastructure that brings all the elements together.

And that's where HPE and SUSE can help.

Unifying application development

Through close collaboration, HPE and SUSE deliver a complete enterprise-class cloud application platform that drives automation and productivity throughout the application delivery lifecycle.

SUSE Cloud Application Platform running on the full complement of HPE servers— **Apollo**, ProLiant BladeSystem, **ProLiant DL**, **Cloudline**, and **Synergy**—is a modern application delivery platform used by software development and operations teams to streamline lifecycle management of traditional and new cloud-native apps.

Based upon industry-standard Cloud Foundry technology and targeting Kubernetes-capable environment—used in concert with HPE servers' built-in automation and management capabilities—the solution facilitates DevOps process integration to:

- Accelerate innovation with a single platform that brings together advanced 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 investment (ROI) with enterprise-ready, future-focused capabilities

"With SUSE Cloud Application Platform, we are helping enterprises accelerate IT by supporting multiple approaches to building and delivering container-based applications. We are bringing together two fast-paced open source innovations, Kubernetes and Cloud Foundry, as the core of a reliable enterprise-grade solution. Significantly, this solution includes the only containerized Cloud Foundry distribution and the first one based on proven enterprise-grade Linux with SUSE Linux Enterprise. CIOs can now confidently embrace these technologies to speed production of applications."

– Gerald Pfeifer, Vice President of Products and Technology Programs, SUSE

Enterprise-ready solution

This complete solution includes everything you need to accelerate app delivery in your production environment, including:

- SUSE Cloud Foundry
- Stratos UI
- SUSE CaaS Platform
- SUSE Enterprise Storage

The solution is also supported on today's preferred enterprise infrastructure, including:

- Bare metal—Any HPE server supported by SUSE Linux Enterprise Server
- Private cloud—SUSE OpenStack Cloud
- Public clouds—Amazon Web Services, Google™ Cloud Platform, Microsoft® Azure®
- Virtual machines—KVM, Xen, VMware vSphere®/VMware ESXi™, Microsoft Hyper-V®

And finally, this hardened offering assures security, reliability, scalability, and robustness throughout the software stack:

- Based on an industry-proven Linux operating system
- Maintained and tested holistically to ensure interoperability
- Running on industry-leading HPE servers

Learn more

Contact your HPE representative today. Find out how a complete enterprise-class cloud application platform can enable your IT to deliver more apps faster by streamlining the end-to-end application delivery lifecycle.

You can also visit:
hpe.com/partners/SUSE

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Make the right purchase decision. Click here to chat with our presales specialists.

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Powerful features

SUSE Cloud Application Platform running on **HPE servers** stands above the crowd by offering important features that reflect the powerful combination of technology vision, innovative engineering, and industry experience that have made SUSE and HPE leaders in delivering open-source solutions to the enterprise. This proven solution:

- **Supports multiple application delivery models**, giving you the flexibility to apply the right approach for every job. Leverage turnkey Cloud Foundry automation to maximize productivity at factory scale, and trust Kubernetes to orchestrate and deliver applications with specific architecture or process requirements.
- **Speeds the time to value**, by supporting Kubernetes public cloud infrastructure; this solution supports Microsoft Azure Container Service now, with support for more providers coming soon.
- **Is built on SUSE Linux Enterprise**, providing an enterprise-class operating system as the basis for SUSE Cloud Foundry, containerized workloads, and the container operating system.

Advanced application development

SUSE Cloud Foundry provides an end-to-end productivity model that frees you from container creation and maintenance tasks. Your code is packaged into containers automatically by buildpacks, which always include the latest language-specific libraries you need. Developer support includes:

- Buildpacks for Java, Go, .NET, Node. js, Ruby, PHP, Python, static websites, and more
- Configurable Cloud Foundry service brokers for exposing external services to users and apps

Application operations

This HPE and SUSE solution automates the operation of your container-based apps and services, regardless of how you build them. You receive:

- Automated scheduling and placement of containers into available infrastructure
- Persistent storage for sharing data across containers
- Service discovery and load balancing

- Easy horizontal and vertical application scaling
- Application availability and management, with built-in health monitoring and automated recovery
- Automated logging of workload and infrastructure performance
- Rolling application updates

Platform management

The platform that seamlessly delivers your applications is also easy to manage:

- The Stratos UI web dashboard manages Cloud Foundry clusters and workloads.
- SUSE Cloud Foundry and the Stratos UI are containerized and run on Kubernetes, making them easy to deploy and maintain.
- Kubernetes is provided by the SUSE CaaS Platform, enabling simple installation, configuration, and management.

Choose the right HPE platform

You can trust the SUSE software to perform equally across all HPE platforms.

- **HPE Apollo family**—High-density optimized, hyperscale servers
- **HPE ProLiant BladeSystem family**—One converged infrastructure and a single platform, together with HPE OneView management
- **HPE ProLiant DL family**—Secure rack-optimized servers
- **HPE Cloudline family**—Designed for today's cloud data centers
- **HPE Synergy**—The world's first composable infrastructure

Ensure success

Trust the experts at **HPE Pointnext** to enable you to drive rapid digital transformation across your enterprise, all on your own terms. With HPE Pointnext, you can say "yes" to bigger and better opportunities—including those created by developing, deploying, and managing your apps in the cloud.

You can also take advantage of SUSE Enterprise Storage, a highly scalable and resilient software-defined storage product based on Ceph to provide persistent storage volumes for containers.