Hewlett Packard Enterprise

Transform IT to power business results

HPE ProLiant for SUSE OpenStack Cloud

Deploy a highly available, open standards-based private cloud using factory-integrated HPE ProLiant Gen9 servers and SUSE® OpenStack® Cloud.

HPE ProLiant for SUSE OpenStack Cloud helps you:

- Respond faster to customer demands and market opportunities
- Improve utilization rates and reduce virtual machine (VM) sprawl
- Massively scale architecture without increasing IT staff
- Improve the quality of service provided to the organization
- Make IT the service provider of first choice

Empower IT to drive business success

Your business needs to be able to quickly respond and adapt to meet changing customer demands and capitalize on new market opportunities. That means IT needs to move quickly as well.

Giving IT the power of a private cloud infrastructure that enables them to rapidly deploy and easily manage dynamic and flexible Infrastructure-as-a-Service private clouds can transform IT into a real driver of business value. But deploying a private cloud can be too complex and time-consuming to tackle on your own.

That's why HPE and SUSE have joined forces to create the HPE ProLiant for SUSE OpenStack Cloud Reference Architecture. You can have an enterprise-class, easy-to-manage private cloud up and running more quickly and enjoy faster return on investment (ROI) and lower total cost of ownership (TCO) as well.

Faster, better cloud

HPE ProLiant for SUSE OpenStack Cloud is based on industry-leading HPE ProLiant server platforms and the OpenStack and Crowbar open source projects. Backed by HPE and SUSE support, it helps you improve resource utilization and speed delivery of IT services across a secure, compliant, and fully supported cloud environment.

One of the benefits of running your own private cloud on SUSE OpenStack Cloud is the ability to leverage industry-standard HPE ProLiant Gen9 servers for all of your hosting and computational needs. Industry-leading HPE ProLiant DL360 and DL380 Gen9 rack-mount servers are excellent platforms to implement an HPE ProLiant for SUSE OpenStack Cloud configuration.

Both server models are highly configurable and can provide optimized performance for various OpenStack workloads. With their flexibility, high performance, network options, and low-energy consumption, these servers are ideal virtualization and storage nodes for a private cloud deployment.

Get faster ROI

HPE ProLiant for SUSE OpenStack Cloud simplifies the deployment and administration of your private cloud infrastructure to speed ROI. The factory-integrated solution is pre-configured and optimized for SUSE OpenStack. Additional configure-to-order capability gives you the ultimate flexibility in storage, memory, and processing power.

Crowbar eases the pain of installation by providing a logical, streamlined process for setting up HPE ProLiant for SUSE OpenStack Cloud, while SUSE OpenStack provides you with the flexibility to take advantage of OpenStack configuration options to meet specific needs.
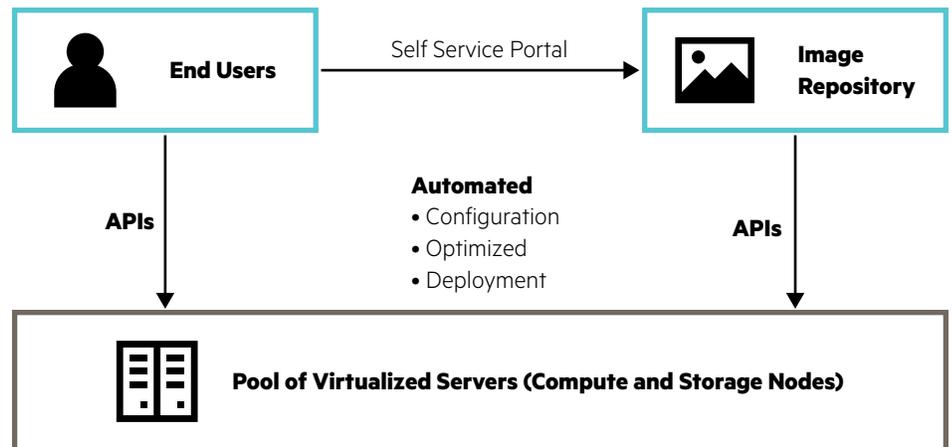
Figure 1: Infrastructure-as-a-Service (IaaS) private cloud deployment

Industry-standard RESTful application programming interfaces provide IT administrators a common language and interface for integrating into OpenStack environments.

By reducing the complexity of cloud installation and management with HPE ProLiant for SUSE OpenStack Cloud, you can immediately benefit from your move to the cloud.

Reduce your total cost of cloud ownership

As data centers grow, power and cooling costs grow as well. The automated energy optimization features of HPE ProLiant Gen9 servers help you lower your use of space, power, and cooling to deliver an impressively low TCO.

SUSE OpenStack provides features that allow you to track the usage of computing resources and automate service delivery to dramatically improve server utilization. Combining automated service deployment with streamlined management decreases the number of IT staff needed to manage servers. This doesn't just lower TCO—it also improves productivity because your IT staff can focus on managing the overall infrastructure and delivering value-added projects rather than managing individual VMs.

Enterprise-class support

HPE Proactive Care Support Services include a "direct-to-expert" support process that delivers instant access to HPE server experts for faster problem resolution. You can also count on more than 2,000 HPE ServiceOne partners to provide the highest levels of local expertise backed by our global resources.

SUSE OpenStack Cloud includes 24x7 worldwide technical support and is fully integrated into SUSE update processes. That means you can easily maintain and patch cloud deployments: both SUSE OpenStack Cloud and the HPE ProLiant servers systems that make up the cloud.

Cloud tomorrow

HPE ProLiant for SUSE OpenStack Cloud helps IT develop and deliver services faster and more accurately—for bottom-line savings and top-line growth. You could be enjoying your own private cloud sooner than you think. Contact your HPE or SUSE sales representative to find out more, today.

Learn more at
hp.com/go/privatecloud

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