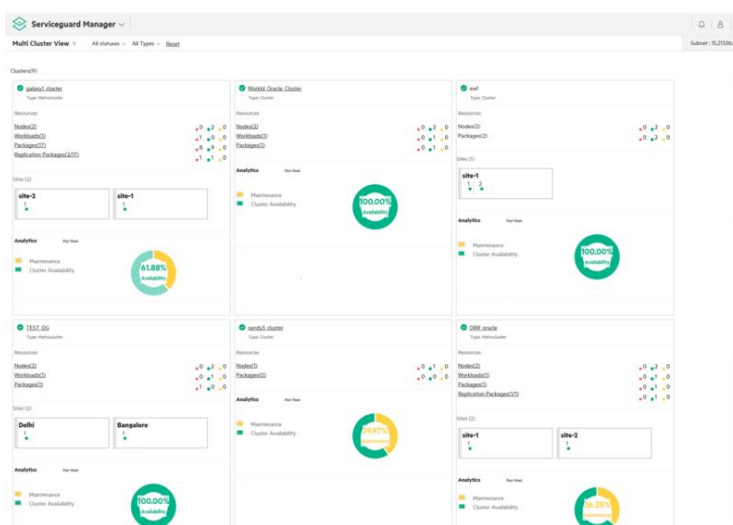# HPE Serviceguard for Linux

What's new

- High availability and disaster recovery for workloads within and across regions / availability zones in Amazon Web Services, Microsoft Azure and GCP™ cloud Infrastructure.[1]
- New workload-centric GUI providing a single pane view into the health of workloads (SAP HANA®, Oracle®, SQL Server and others), data replication, and health of nodes hosting the workloads.
- Push-button disaster recovery and user-controlled mobility of Oracle workloads from on-premise environments to cloud or HPE GreenLake and vice versa.
- Disaster Recovery rehearsal capability for Oracle workloads deployed with Oracle

Overview

How much does every minute of downtime cost your business?

HPE Serviceguard for Linux® (SGLX) is a high availability (HA) and disaster recovery (DR) clustering solution that increases uptime for your critical applications by protecting them from a multitude of infrastructure and application faults across physical or virtual environments over any distance. The solution reduces the impact of unplanned downtime with no compromise on data integrity or performance, and it helps achieve near zero planned downtime for maintenance.

Data Guard.

- Basic integration with Zerto to seamlessly migrate critical workloads, along with their data from on-premise environments to cloud disaster recovery or VMware® environments.

Features

Fast Failover with Data Integrity

HPE Serviceguard for Linux provides fast fail-over in the event of a failure, in as little as four seconds, without compromising on data integrity.[2]

Monitors the availability of applications, services, databases, and platforms over distances, protects against outages and reduces downtime during planned maintenance windows.

Offers efficient fault-detection capabilities that automatically failover critical applications to safe nodes, resuming normal operations rapidly.

Enables highly available environments without shared storage for applications such as SAP S4/HANA® and NFS.

Achieves higher uptime in virtual environments with application failovers rather than virtual machine restarts. HPE SGLX supports VMware, Hyper-V, and KVM hypervisors.

Application Availability, Even During Site Outages

HPE Serviceguard for Linux Disaster Recovery solutions keep your applications online, even after the loss of a data center over any distance, with a choice of responses from fully automatic failover to push button recovery.

Choice of offerings based on distance, data replication, recovery-point objective (RPO), and recovery time objective (RTO) to fulfill a wide array of requirements.

Reduces capital expenditure on storage array with flexible deployment models that allow for efficient consolidation of multiple primary workloads to minimally-provisioned DR infrastructures.

Out-of-the-Box Solutions for SAP HANA, Oracle, and Other Enterprise Databases and Applications

HPE Serviceguard for Linux for SAP HANA is the first fully automatic HA and DR solution that leverages HANA Multitarget System Replication to provide unattended recovery across multiple HANA tiers.

Out-of-the-box integration with SAP HANA, SAP S/4 HANA, SAP NetWeaver®, Oracle, SQL Server on Linux, IBM Db2, Sybase, Enterprise DB and Postgres. Provides intelligent, automatic, context-sensitive monitoring, recovery, and fail-back operations that are aware of the internal application states. [3]

Simpler and faster integration of complex applications into a standardized, proven framework. It reduces initial setup time from days to hours, resulting in 4x faster deployments. [4]

Near-Zero Downtime Maintenance, Easy Administration, and Improved Total Cost of Ownership (TCO)

HPE Serviceguard for Linux offers Live Application Detach (LAD): a feature that allows you to maintain of the cluster infrastructure, including the heartbeat network, with near-zero downtime. [5]

Rolling upgrades enable the upgrade of infrastructure components, operating system, and applications with reduced downtime.

Better TCO by enabling enterprise-grade HA solutions on cost-effective storage architectures with no dependence on traditional SAN.

[1] Refer to HPE Serviceguard for Linux Certification Matrix

[2] Failover recovery observed in Hewlett Packard Enterprise internal lab testing. The system was based on an HPE ProLiant DL560 Gen10 server with RHEL 7.3 running HPE Serviceguard 12.10.00 configuration dependent, excluding cluster reformation time.

[3] Based on Hewlett Packard Enterprise Labs analysis while performing maintenance activities of the cluster including maintenance of heartbeat network, it used to be a common case where the application had to be brought down. However, with the LAD feature, the application downtime can be reduced to zero, even if the heartbeat network is maintained and the cluster is brought down.

[4] Based on Hewlett Packard Enterprise Labs analysis that shows typical manual effort for integrating an Oracle Database into a cluster requires 30 engineering days. With Oracle toolkit from Hewlett Package Enterprise, this integration is achieved in two engineering days or less.

[5] Based on failover recovery times observed in HPE Reference Architecture for Oracle Database on HPE Superdome Flex with HPE Serviceguard for Linux and Oracle Data Guard. http://h20195.www2.hpe.com/V2/GetDocument.aspx?docname=a50000280enw

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

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Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

**Make the right purchase decision.
Contact our presales specialists.**

Call for availability

Chat now (sales)

Call now

Buy now

Share now

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