SIMPLIFY high availability clustering

HP ProLiant and SLES HA Clustering.

Clusters have never been more affordable or easier to deploy

Solution brief

The rapid advancements in technology have fundamentally changed the way we communicate and do business. Powerful and interconnected systems have created a network that never sleeps. Customers can now reach businesses through any number of mobile and computing devices. The new business model is one that is always on and always available.

Initially high availability clustering was costly to implement and complex to deploy. Today the cost and complexity of high availability clustering has changed. The advent of standards-based systems and Linux operating environments has produced the climate where high availability clustering is not only affordable, but also easier to deploy.

There is no better time for deploying a reliable and affordable clustering environment than now. With HP and Novell you can deploy highly reliable and affordable ProLiant servers, StorageWorks storage, SUSE Enterprise Linux Server, SUSE Enterprise Linux High Availability Extension, and HP Technology Services to create a highly available clustered environment that is always on and always available to your customers.

Solution Benefits

- Ensure continuous access to your business critical systems and data

- Maintain business continuity

- Protect data integrity

- Reduce unplanned downtime

- Redundant, reliable, and flexible server platform

The HP and Novell advantage

When it's time to deploy a business critical environment, HP and Novell are here to help. We work side-by-side to make sure your HP and Novell Linux solution works right out of the box—the first time, every time. HP certifies, resells and globally supports Novell SUSE Linux Enterprise Server. To give you the widest range of choices, Novell SUSE Linux Enterprise Server extends across all HP ProLiant and HP StorageWorks storage.

Novell SUSE Linux Enterprise High Availability Extension

SUSE Linux Enterprise High Availability Extension is an affordable, integrated suite of robust open source clustering technologies that enable enterprises to implement highly available physical and virtual Linux clusters. Used with SUSE Linux Enterprise Server, it helps organizations maintain business continuity, protect data integrity, and reduce unplanned downtime for their mission-critical Linux workloads.

Features

SUSE Linux Enterprise High Availability Extension delivers all of the essential monitoring, messaging and cluster resource management functionality of proprietary third-party solutions, but at an affordable price. Based on an innovative, highly flexible policy engine, it supports a wide range of physical and virtual clustering scenarios, and its adherence to open standards ensures interoperability (including metro-area clusters).

Free Limited Time Offer—HP and Novell are bundling SUSE Linux Enterprise Server (SLES) High Availability (HA) Extension with your SLES subscription. This bundle allows you to implement SLES HA Extension in your SLES environment free of charge for the duration of your SLES subscription.

Continuous data replication

SUSE Linux Enterprise High Availability Extension includes support for distributed replicated block devices with DRBD8, a leading open source networked disk-management tool. Using DRBD8, you can build single partitions from multiple disks that mirror each other and make data highly available.

Virtualization aware

The clustering technologies in SUSE Linux Enterprise High Availability Extension support physical and virtual environments equally well. Virtualization is increasingly being used by organiza¬tions seeking to improve resource utilization, responsiveness and services availability. Virtual servers can be clustered together, they can be clustered with physical servers, and physical servers can be clustered with each other, extending high availability from virtual to physical workloads.

User-friendly management tools

SUSE Linux Enterprise High Availability Extension includes a powerful new unified command-line interface for experienced IT managers to quickly and easily install, configure and manage their clustered Linux servers.

Service and support

As a trusted global business partner, we are focused on solving client challenges through practical innovations that deliver valuable business outcomes. HP is the second-largest technology services company in the world—serving more than 1,700 business and government clients in 90 countries. This powerful combination of resources and talent gives us the scale and scope to deploy, support, and manage your business critical, high availability clustering needs.

HP products supported

When you choose a solution from HP, you can select from a broad range of HP servers across both Intel® and AMD architectures. Whether your business needs will be best met by server blades, clustered servers or a high-powered, 64-bit, multi-processor platform, HP ProLiant servers will provide the performance, scalability, availability and manageability you need to achieve outstanding business results.

Working together to drive success

With more SLES certified platforms than any other vendor, versatile and powerful HP ProLiant and BladeSystem servers set the standard by demonstrating outstanding performance across the Industry's most demanding and diverse workloads. And as the leader in Linux computing, more customers run Linux on HP ProLiant servers than any other server—making HP ProLiant servers the undisputed platform of choice for Linux distributions[1].

[1] Per IDC Quarterly Server Tracker Report 1Q10, HP has sold more than 3.4M for ProLiant servers running Linux since 1998.

For more information

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