Product Flyer

Primary Description Here

SUSE® Partners with Dell EMC to Simplify Container Infrastructure

Containers are becoming the de facto standard for today's application development and delivery, and it is easy to see why: containers make true DevOps integration possible and make deployment fast, consistent and inexpensive. When looking for a container infrastructure solution, organizations have many options—but choosing a solution that offers proven reliability is important. SUSE® and Dell EMC have partnered to offer a simple, scalable container as a service (CaaS) infrastructure that helps you speed application delivery and accelerate digital transformation.

SUSE and Dell EMC at a Glance:

- Speed software development by reducing application delivery cycles.
- Migrate applications to microservice cloud-native models in a low-risk fashion.
- Get a lightweight proof of concept that scales to a full production solution, with simple additions to the cluster.
- Simplify management and control of your container platform with Kubernetes.
- **Products**

+ *SUSE CaaS Platform*
+ *SUSE Container Application Platform*
+ *Dell EMC PowerEdge servers*
+ *Dell EMC switches*

Containers Enable Fast, Flexible Software Deployment

Enterprises are turning to containers for many reasons, including:

- Faster development. Container applications can be easily built from existing or new microservices. They can also be used to repackage or implement existing monolithic applications.
- High resilience. Container applications typically run multiple containers, which can be restarted quickly after a failure.
- Portability. Container applications can run just about anywhere, including local workstations, virtualized infrastructure and private and public cloud environments.
- Scalability. Containers require less o perating system functionality to run, so they can start up and shut down rapidly to improve application performance.

SUSE and Dell EMC: Reliable Container Infrastructure for Today's Needs.

SUSE and Dell EMC have worked together for over 20 years to help organizations work more efficiently and cost-effectively. SUSE Linux Enterprise Server is tested and validated on all of Dell EMC's enterprise platforms, including Dell EMC PowerEdge servers and Dell EMC OpenManage. The two organizations worked closely together in the Dell EMC Partner Lab to develop their container infrastructure solution and the reference architecture that describes it.

SUSE SOFTWARE-DEFINED INFRASTRUCTURE

SUSE CaaS Platform is an enterprise-class container management solution that enables IT and DevOps professionals to easily deploy, manage and scale container-based applications and services.

> **"SUSE and Dell EMC offer a simple, scalable container as a service infrastructure that helps you speed application delivery and accelerate your digital transformation."**
>
> **QUOTED PERSON'S NAME**
> *Person's title.*
> Company name

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www.suse.com

- *The solution includes Kubernetes to automate lifecycle management of modern applications and apply operating system security updates across all nodes*
- *You can use role-based access control to limit access to resources, functions and services as necessary.*
- *A local container registry helps to manage container images more efficiently and securely.*

DELL EMC SERVERS AND SWITCHES

Dell EMC networking and compute solutions can help to enable innovation and transform the way you do business, from the data center to the cloud.

- *Dell EMC network switches are cost-effective and easy to deploy at any scale, both within the rack or blade chassis and across the data center.*
- *Dell EMC PowerEdge servers deliver a perfect balance between storage scalability and performance. The servers support business innovation through scalable architecture, intelligent automation and integrated security.*

Together, SUSE and Dell EMC enable an agile DevOps model. The solution helps to reduce application delivery cycles to speed development. IT also enables you to migrate existing business applications in legacy environments to fast, platform-agnostic, cloud-native microservices.

You can quickly deploy the solution as a proof of concept in 60 minutes, using only virtual machines (VMs). Then eventually scale it to a full production solution by replacing VMs or iteratively adding physical systems with more resources to the existing cluster.

Containers can be a significant advantage in your digital transformation because they make application development and deployment fast and flexible. Make the most of your applications with a simple, scalable container infrastructure from SUSE and Dell EMC.

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