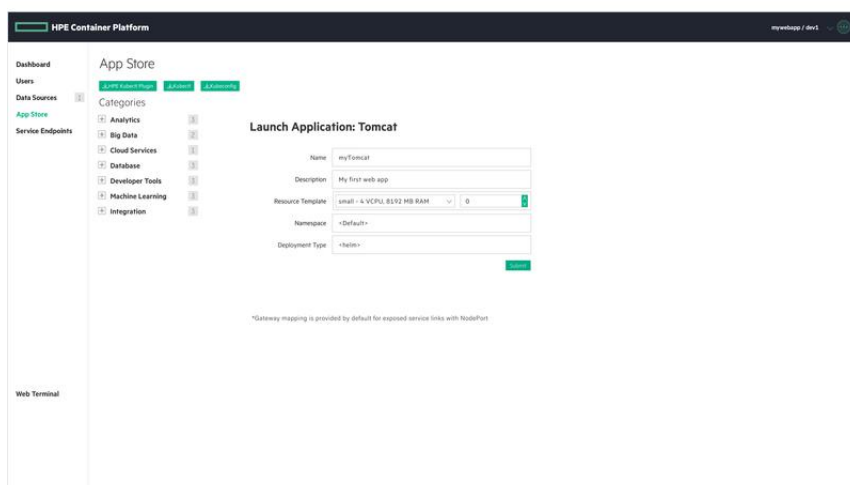


HPE EZMERAL CONTAINER PLATFORM

Artificial Intelligence and Analytics



WHAT'S NEW

- Policy Management (Image Pull, Pod Security, Drift Detection) and Container Runtime Security - out-of-the-box capabilities such as Falco (Open source only).
- RHEL 8 Support on GPU hosts (Kubernetes hosts fresh install and Kubernetes hosts upgrade (includes GPU support) Kubernetes Version 1.19).
- Model Management with Machine Learning

OVERVIEW

HPE Ezmeral Container Platform is a software platform for deploying and managing containerized enterprise applications with 100% open-source Kubernetes at scale—for use cases including machine learning, analytics, IoT/edge, CI/CD, and application modernization.

Kubernetes has emerged as the de-facto open-source standard for container orchestration and a fundamental building block for cloud-native architectures. However, while it is straightforward to deploy modern, cloud-native applications in containers, these represent a small portion of enterprise applications. The vast majority of enterprise applications are

(ML) Flow integration and Airflow Operator for Spark Scheduling

- Upgrade Spark Operator to 3.0.1 – K8s only
- Global FSMount - Enable sharing with Global FSMount across tenants
- Apache Livy for Apache Spark 3

still non-cloud-native or monolithic. The challenge is to deploy and run these monolithic applications in containers, without re-architecting them.

In addition, as enterprise organizations extend the use of containers and Kubernetes beyond development and testing to production environments, they need to address key considerations including security and data persistence.

FEATURES

Bring the Speed and Efficiency of Containers to both Cloud-native and Non-cloud Native Apps

A turnkey solution that brings consistent processes and common services to both cloud-native and non cloud-native apps.

Delivers improved agility, increased efficiency and a cloud-like experience to non-cloud-native apps – without re-architecting them.

Offers greater parity for application developers working with monolithic non cloud-native apps.

Provides a common container platform for a wide range of use cases across your IT estate: including AI / ML, Analytics, IoT, CI/CD, and app modernization.

Lower Costs with Bare-metal Containers and Reduce Risk with Enterprise-grade Security

Provide an integrated container platform with Kubernetes that addresses networking, load balancing, storage, security, and access controls.

Eliminate the cost and performance overhead of virtualization “tax,” with bare-metal containers.

Reduce infrastructure costs with bare-metal containers, by increasing resource utilization.

Ensure multi-tenant security isolation, with AD/LDAP integration and authentication. Improve efficiency through compute / storage separation – with containerized compute services and secure access to a shared data fabric.

Support high availability, fault tolerance and resiliency for enterprise workloads. Enable governance and control with management consoles for operations, configuration and monitoring.

Deliver New Code Releases Faster with One-click Container Deployment

Boost developer productivity with a simplified self-service experience and one-click deployment.

Quickly deploy multiple open source K8s clusters and multiple K8s versions, with no modification to native K8s experience.

Automation and lifecycle management to easily create and reproduce Kubernetes clusters.

Instantly spin up test, dev and production environments with out-of-the-box templates for cloud native and non-cloud-native apps.



Build Once and Run Anywhere Providing Hybrid Cloud Portability

A unified control plane to rapidly build and deploy applications anywhere - in your data center, on any public cloud, and at the edge.

Leverages portability of containers to run on any infrastructure (HPE or non-HPE) and any public cloud.

Supports container deployments on bare-metal, VMs, or cloud instances.

Edge ready, for distributed applications at the enterprise edge. Mitigates data gravity and latency issues, by enabling app development near the data.

Reduces friction to move apps and data, and eliminates data egress from public cloud costs.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

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- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

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