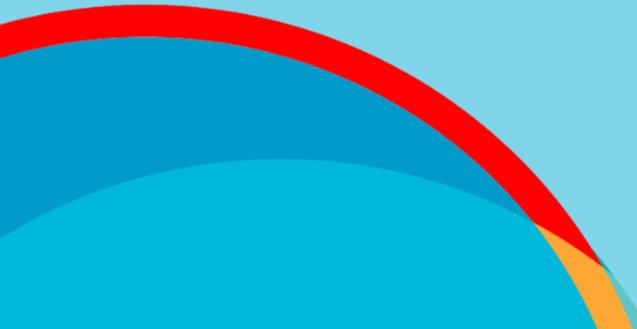




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Vincenzo Ferme

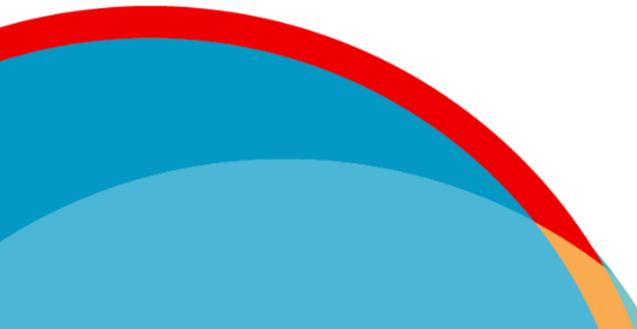
CTO, Kiratech

Eugenio Grosso

Principal Solutions Architect,
Pure Storage EMEA



A platform approach for efficient management of distributed storage and data services



The Kiratech Way > PLATFORM HEROES

Kiratech drives companies in the process of infrastructure and application modernization by facilitating the adoption of a cloud-native approach through its services and selecting the best technologies in the following areas:



Platform AI

MLOps, AIOps, Data-driven
Cloud Adoption



Platform Engineering

Kubernetes,
GitOps/DevOps,
Observability



Platform Security by AKIT

Kubernetes Hardening, API Sec,
DevSecOps

We are your trusted **Platform Team** to help you
achieve your goals.



Portworx

by Purestorage

The Most Widely Used Data Platform for Deploying Cloud Native



KIRATECH[®]
PLATFORM HEROES

portworx[®]
by Pure Storage

Red Hat

By 2025, 95% of enterprises will fail to scale
DevOps initiatives if shared self-service
platform approaches are not adopted.

[Gartner*]

*Source: <https://www.gartner.com/smarterwithgartner/gartner-top-10-trends-impacting-infrastructure-operations-for-2020>



Platform Approach

WHAT'S A PLATFORM

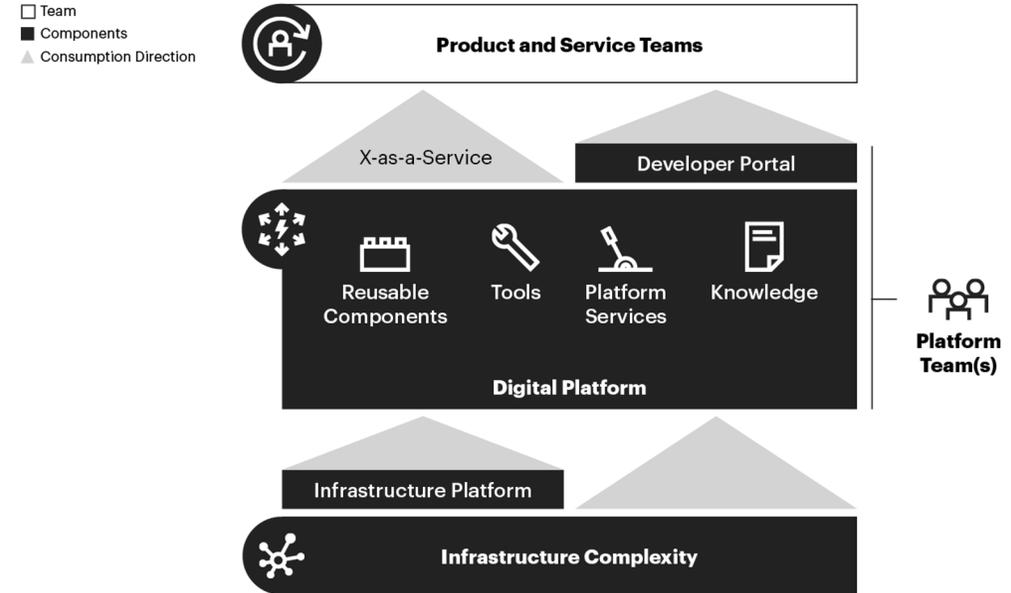
The response to the increasing cognitive load from the complexity of modern software tools and architectures.

To reduce friction in the valuable work, platforms are built to sit between the user and the underlying services on which they rely on.

CHALLENGES

- **Interoperability and Integration**
- **Security and Privacy**
- **Scalability**
- **Ecosystem Governance**

Diagram of Platform Engineering



Source: Gartner
796939_C

Gartner.

Platform engineering will ultimately solve the central problem of cooperation between software developers and operators.(*)

*source: <https://www.gartner.com/en/articles/what-is-platform-engineering>

Platform Team & Challenges

WHAT'S A PLATFORM TEAM

The team that creates, maintains and operates the platforms.

It builds common capabilities into a shared service and operates them in production.

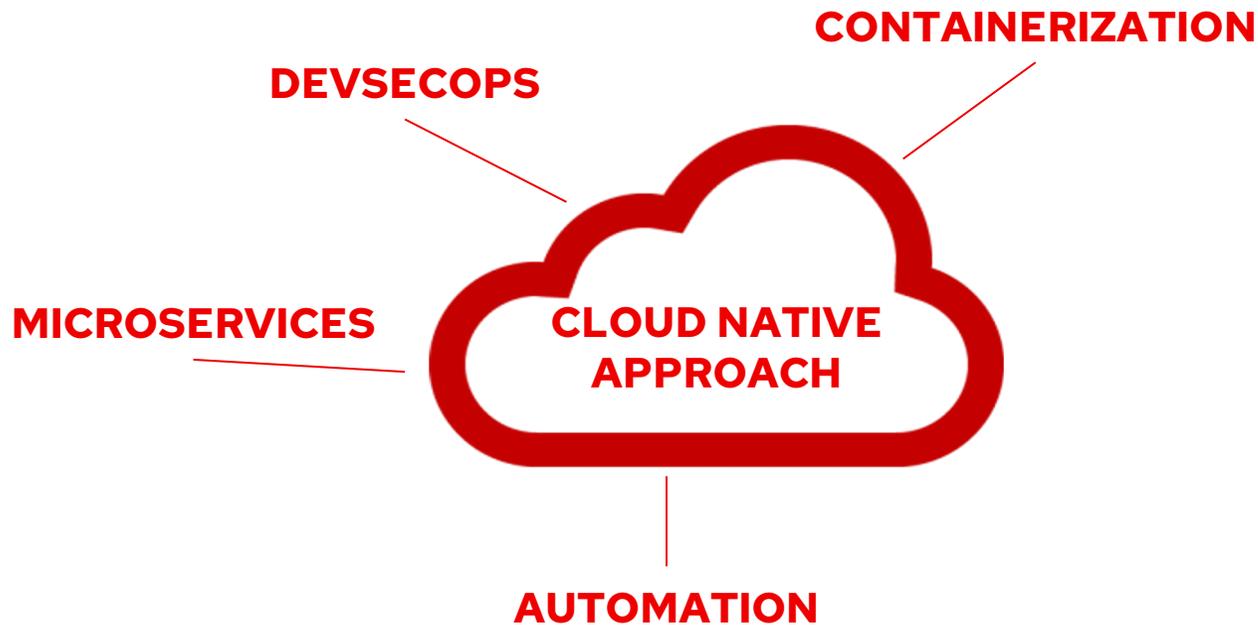
Users don't have to build out and operate their own operating environments and can focus on creating and delivering business and customer value.

CHALLENGES

- **Scalability and Performance Optimization**
- **Security and Compliance**
- **Service Reliability and High Availability**
- **Governance and Compliance**
- **Promotion of DevOps Culture and Collaboration**

PlatformOps teams seek not to limit choices, but to drive consensus and ensure that everyone gets the tools and capabilities they need.

Navigating the Complex Cloud Native Ecosystem



BENEFITS

- Agile & Scalable
- Cost-Effective
- Continuous Innovation

COMPLEXITY CHALLENGES

- Interconnected Services
- Tools & Technologies
- Security and concerns



> your prime choice to enter the Platform Era

From the Kiratech experience in managing the Cloud Native ecosystem complexity was born **Krateo**: the open-source automation platform for companies with numerous internal developments that need to standardize and **scale up cloud-native adoption** in a multi-cloud and edge datacenter.

OFFERING

Krateo
Composable
Operations

Avoid productivity friction when adopting too many tools, use a unique framework to coordinate your ecosystem

Krateo
Composable
Portal

Self-service momentum will become the key to your success. Take control to accelerate the software development lifecycle and enhance self-service initiative

Krateo
Composable
Framework

Leverage FinOps in your company: gather reports on cost budgeting and allocation in a single place and scale to a self-service adoption.

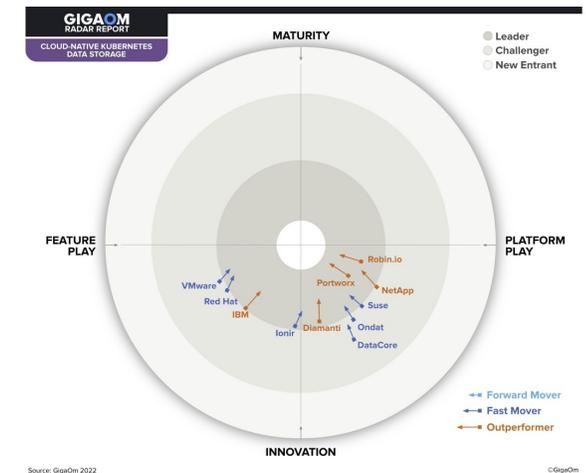
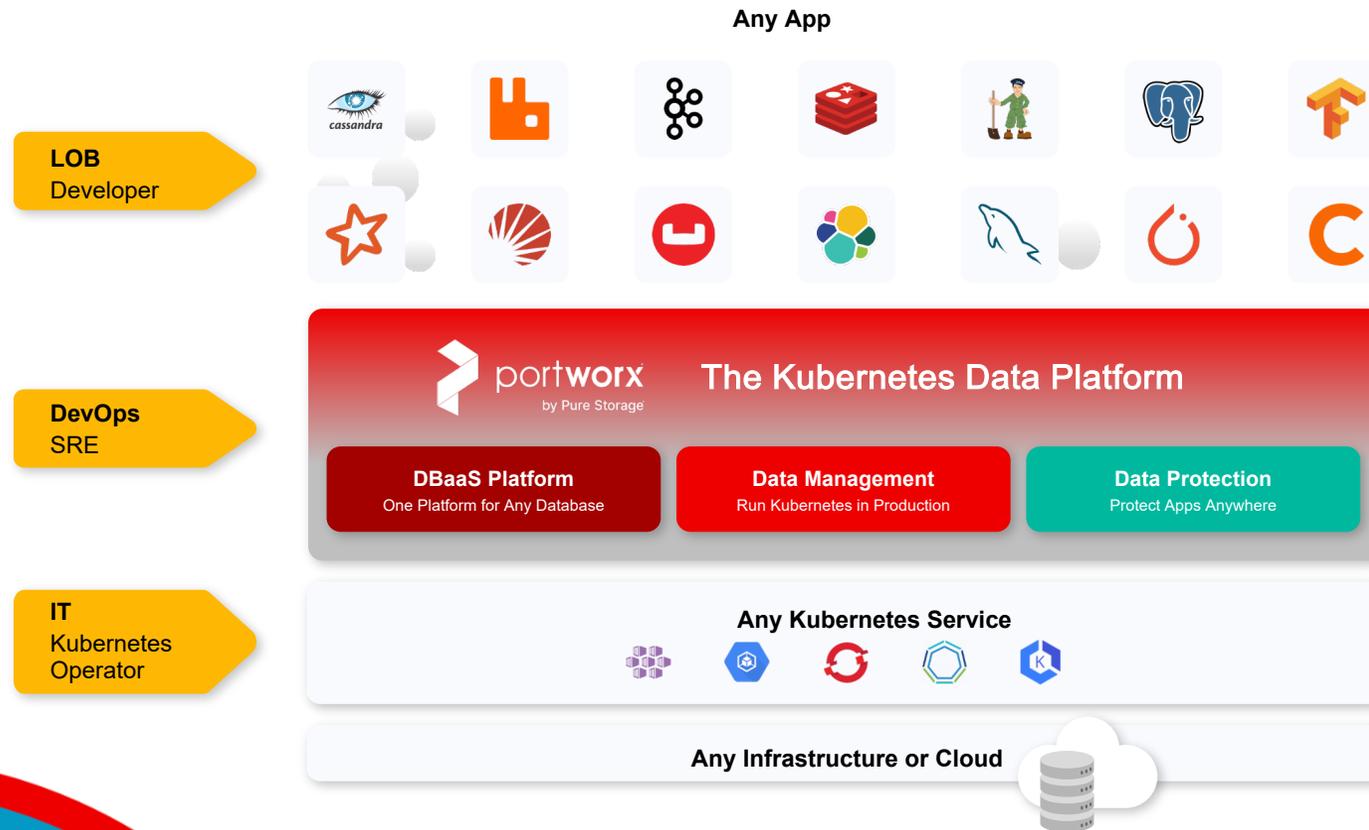
Gartner®

Krateo is recognised as a Representative Vendor in the 2023 Gartner® Market Guide for Internal Developer Portals report.



Portworx: #1 Kubernetes Data Platform

Operate, Scale & Secure Cloud-Native Apps and Databases Anywhere with a few clicks



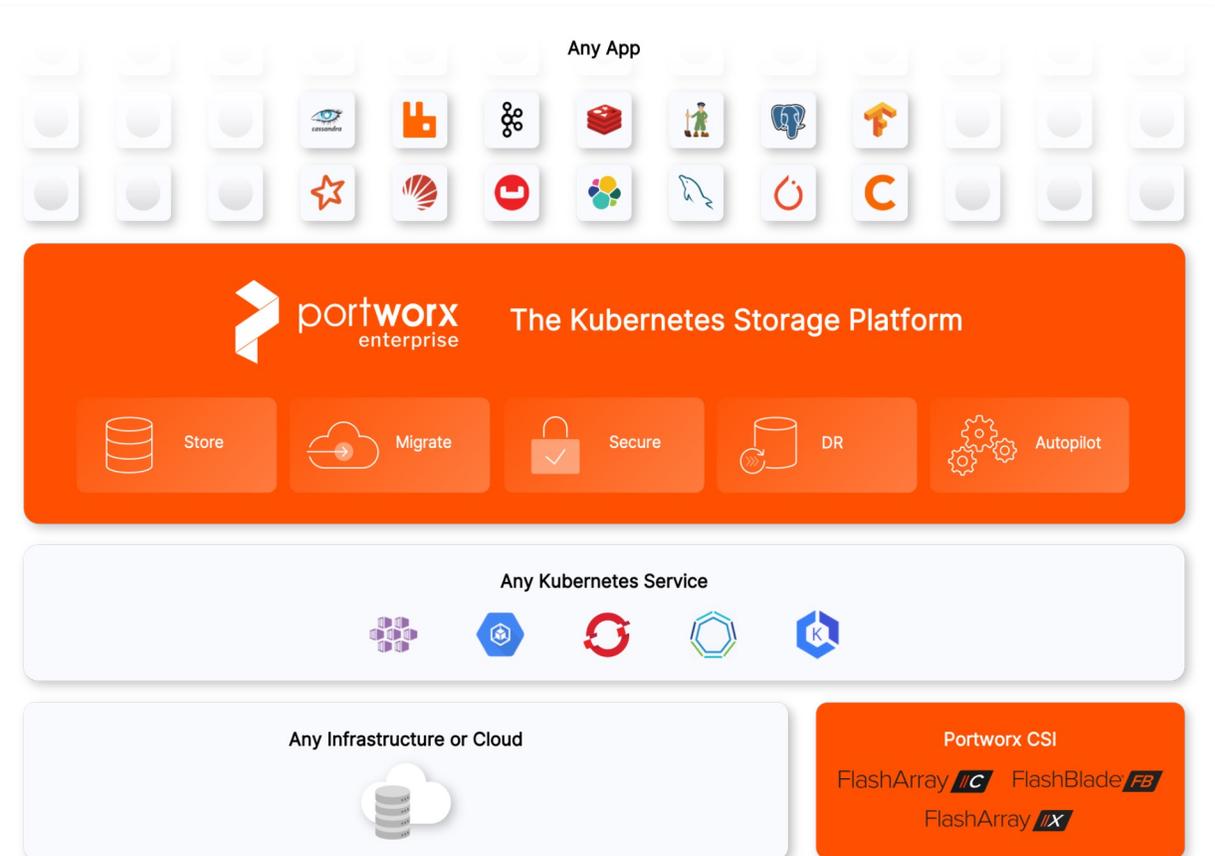
Portworx Enterprise

Kubernetes in Production with Elastic Scalability, Unmatched Availability and Self-service Access to Any Storage

Why Portworx Enterprise?

Run Kubernetes in Production on any storage infrastructure, any cloud or K8s service

- Make Your Storage Developer-Ready
- Maximize Apps Performance
- Optimize infrastructure costs
- Ensure Business Continuity



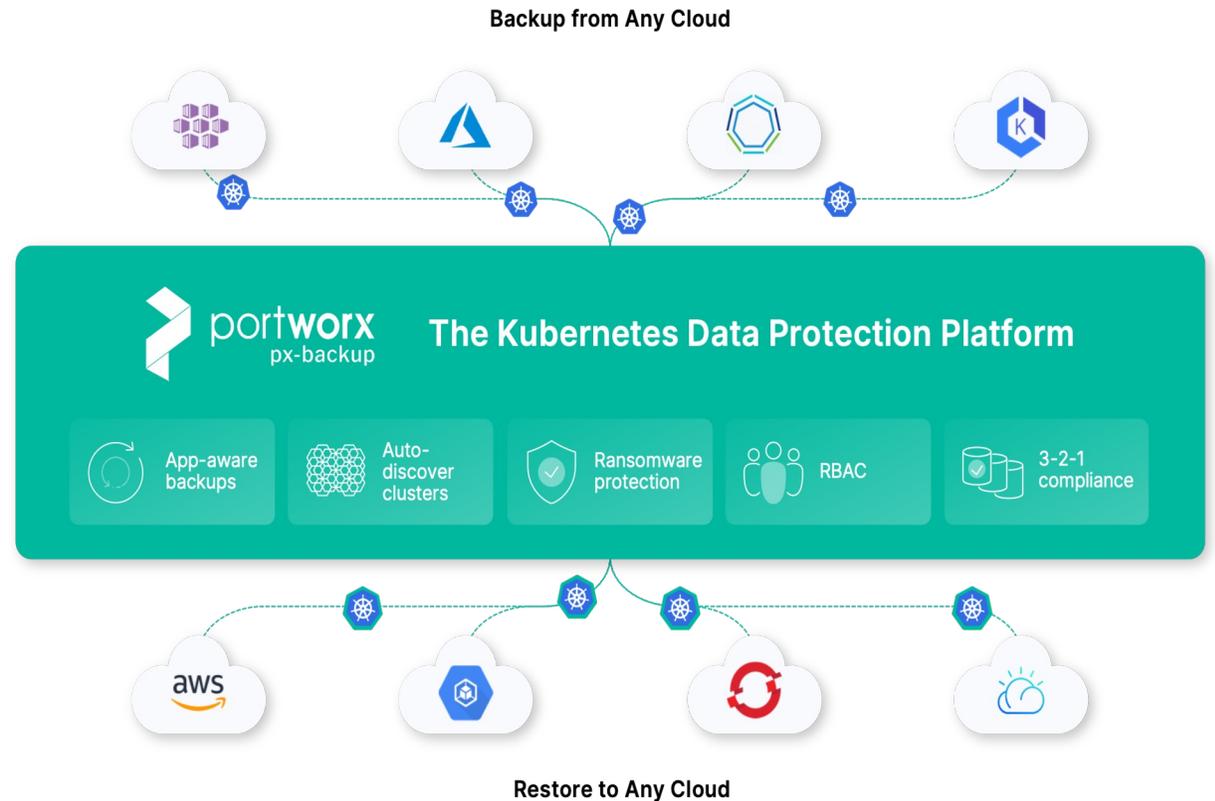
Portworx Backup

Backup and Restore Kubernetes Apps Anywhere with a Fast, Easy, and Secure platform

Why Portworx Backup?

Protect Kubernetes Apps with the EASY button for Data Protection using container granularity

- Self-service backup for app users in a few clicks
- Recover and migrate apps anywhere in minutes
- Sleep sound with safe and secure data
- Ensure business continuity



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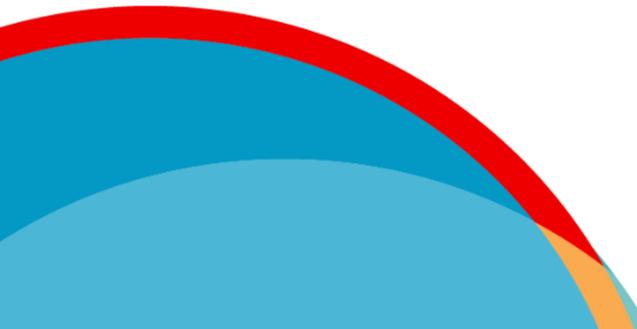
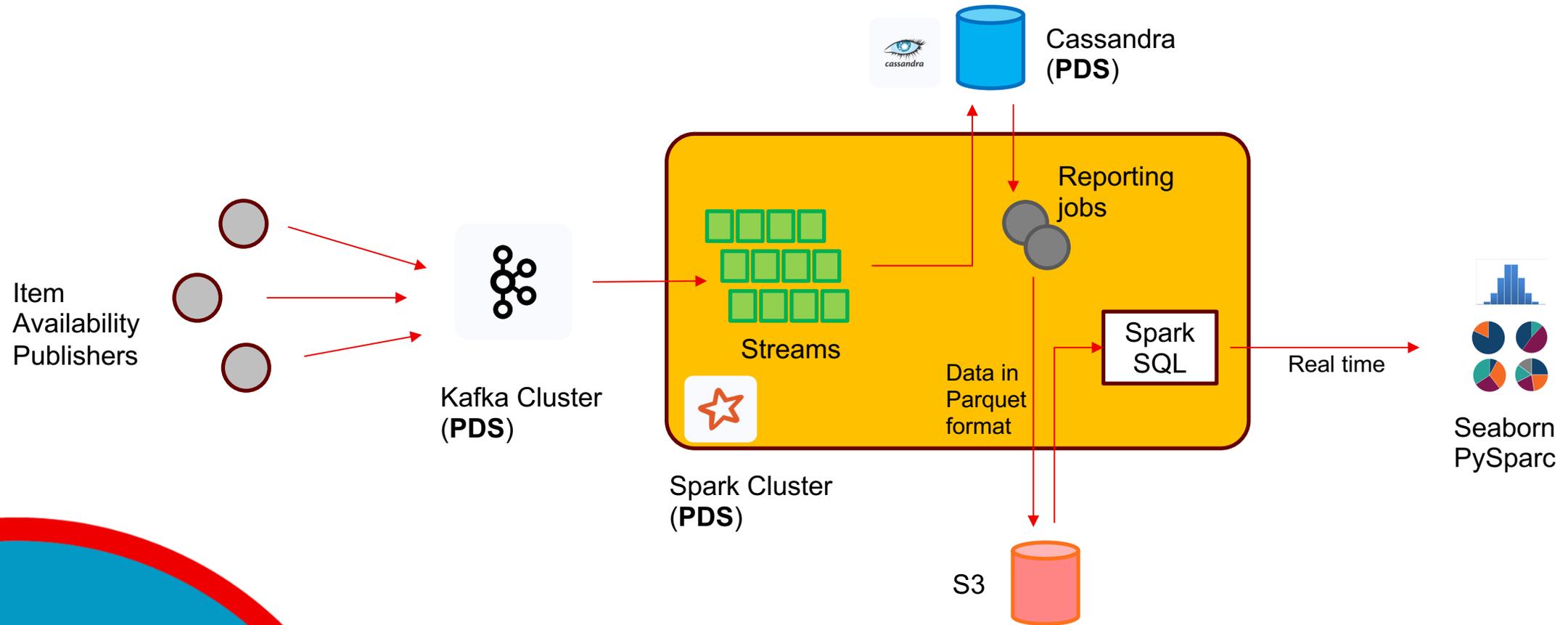
Use Case

 **KIRATECH**[®]
PLATFORM HEROES

 **portworx**[®]
by Pure Storage

App

Real Time & Batch Analytics for Retail Sales



Krateo Platform

Deployment card:

Deployments

Search 

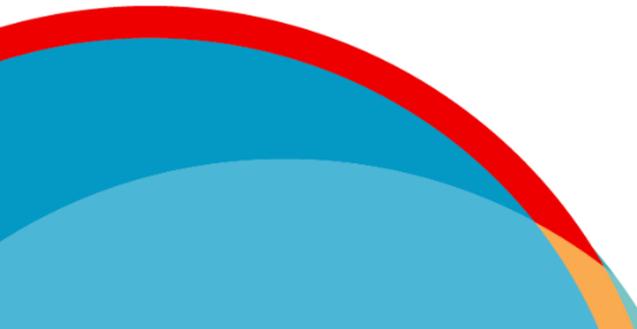
 **GARTNER-DEMO-FIREWORKSAPP** 2023-09-18 15:54:08
Fireworks App Deployment

[fireworks](#) [template](#) [krateo](#) [katy perry](#)

Krateo Tabs & functionalities:

gartner-demo-fireworksapp

 Overview  Resources  Documentation  Kubernetes  Pipelines  **Events**  Values  Settings



Krateo Platform

Common graphical representation & smooth user experience:

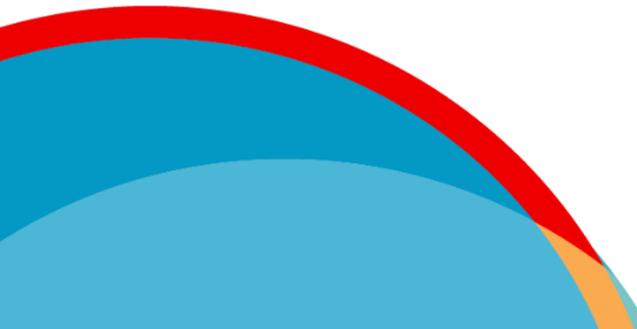
The image displays two screenshots of the Krateo Platform interface for the application 'gartner-demo-fireworksapp'.

Left Screenshot: Pipeline View

- Navigation:** Overview, Resources, Documentation, Kubernetes, Pipelines, Events, Values, Settings.
- Pipelines Section:** A list of pipelines with the entry 'Build Docker image for every commit'.
- Pipeline Details:**
 - Title:** Build Docker Image For Every Commit
 - Visuals:** A circular progress indicator showing 100% completion.
 - Metadata:** id: 6223532977, :rocket: first commit, 2023-09-18 15:54:50, 17 minutes ago, 29s.
 - Source:** <https://github.com/krateoplatformops/alfredo-fire-gartner-demo/blob/main/.github/workflows/docker-build.yaml>

Right Screenshot: Resource View

- Navigation:** Overview, Resources, Documentation, Kubernetes, Pipelines, Events, Values, Settings.
- Resource Hierarchy:**
 - Namespace:** alfredo-fire-gartner-demo-ns
 - Service:** alfredo-fire-gartner-demo-service
 - EndpointSlice:** alfredo-fire-gartner-demo-service-w5znb
 - Endpoints:** alfredo-fire-gartner-demo-service
 - Deployment:** alfredo-fire-gartner-demo
 - ReplicaSet:** alfredo-fire-gartner-demo-98bf5574c
 - Pod:** alfredo-fire-gartner-demo-98bf5574c-bn7zg



Krateo Platform

Common graphical representation & smooth user experience:

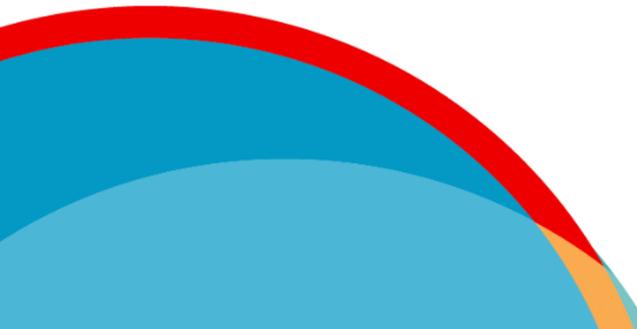
The image displays two screenshots of the Krateo Platform interface for the application 'gartner-demo-fireworksapp'.

Left Screenshot: Pipeline Overview

- Pipelines**: A list of pipelines, including 'Build Docker image for every commit'.
- Build Docker Image For Every Commit**: A detailed view of a pipeline run. It features a circular progress indicator (100% complete) and the following details:
 - id: 6223532977
 - :rocket: first commit
 - 2023-09-18 15:54:50
 - 17 minutes ago
 - 29s
- Source: <https://github.com/krateoplatformops/alfredo-fire-gartner-demo/blob/main/.github/workflows/docker-build.yaml>

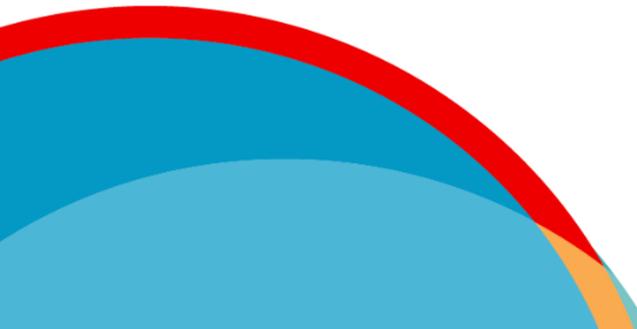
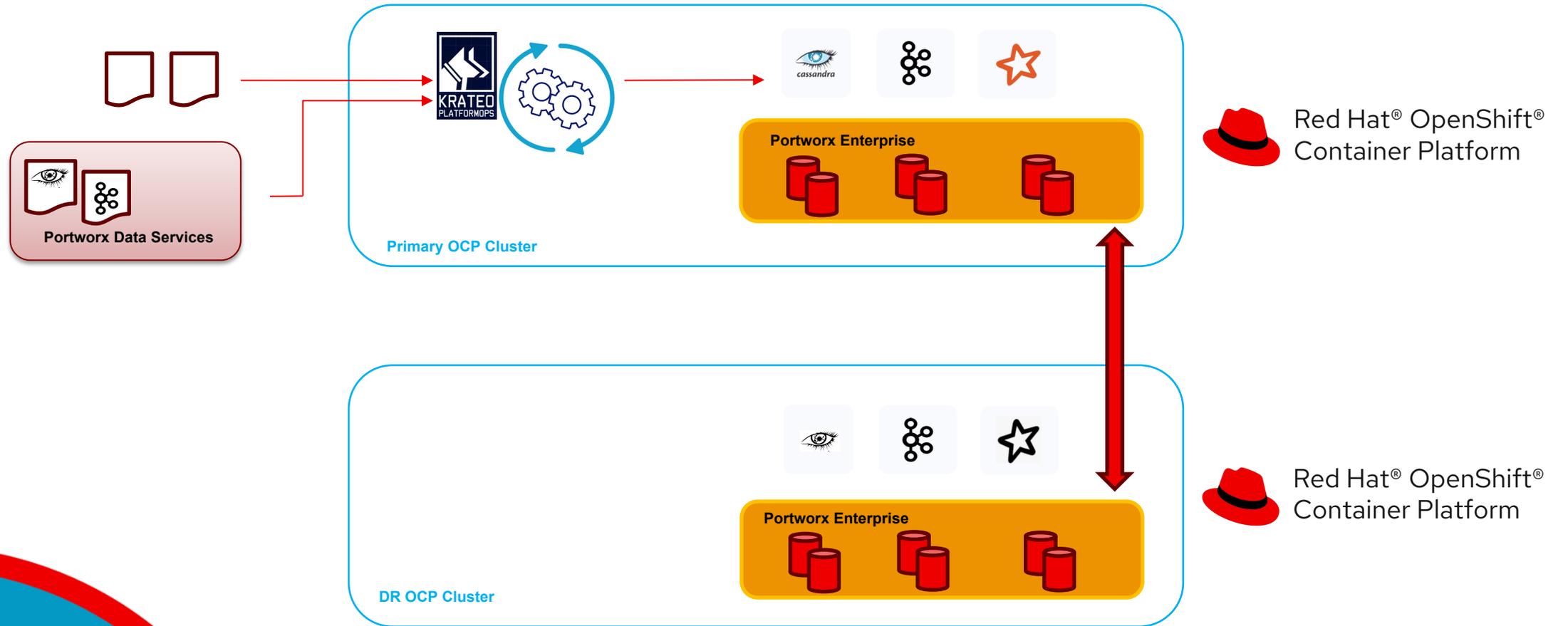
Right Screenshot: Resource Graph

- Namespace**: alfredo-fire-gartner-demo-ns
- Service**: alfredo-fire-gartner-demo-service
- Endpoints**: alfredo-fire-gartner-demo-service
- EndpointSlice**: alfredo-fire-gartner-demo-service-w5znb
- Deployment**: alfredo-fire-gartner-demo
- ReplicaSet**: alfredo-fire-gartner-demo-98bf5574c
- Pod**: alfredo-fire-gartner-demo-98bf5574c-bn7zg



Application Lifecycle

An Enterprise Grade Platform Approach



Krateo Platform

Templates - the way to create deployments:

Templates

Search

 Krateo Fireworks

Krateo Fireworks Template

fireworks template krateo katy perry 4 widgets

git  

Krateo Fireworks

Name and description	
Kubernetes	
Expose application	
Git repository destination	

Name And Description

Name your app

NAME (*)

Unique name of the component

Summary

NAME: firefire

REPLICAS: 1

[Back](#) [Deploy](#)

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Q&A?

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Thank you

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