

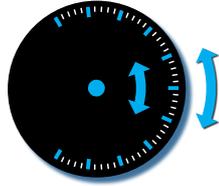
Dell EMC PowerFlex Platform for Kubernetes Stateful Applications

Introducing enterprise-class data services for stateful, cloud-native applications with Kubernetes distribution on any cloud

Dell EMC PowerFlex with KIOXIA PM5 Series 12Gb/s Enterprise SAS SSDs for Cassandra on Kubernetes



Does your storage scale easily, adding capacity in modules transparently to users, or at least without taking the system down?



Do you have a storage platform that is optimized for cloud-native application that demand low latency and high throughput?



Can you scale your container platform throughput linearly whilst maintaining consistent response times?



Can you create, control and manage storage volumes in your storage platform when Kubernetes stateful applications are deployed?

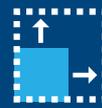
PowerFlex is a software-defined storage platform designed to deliver flexibility, elasticity, and simplicity with predictable performance and resiliency at scale



EMPOWER
Your IT Organization
CLOUD-CONNECTED



HARNESS
The Power of Data
AUTONOMOUS

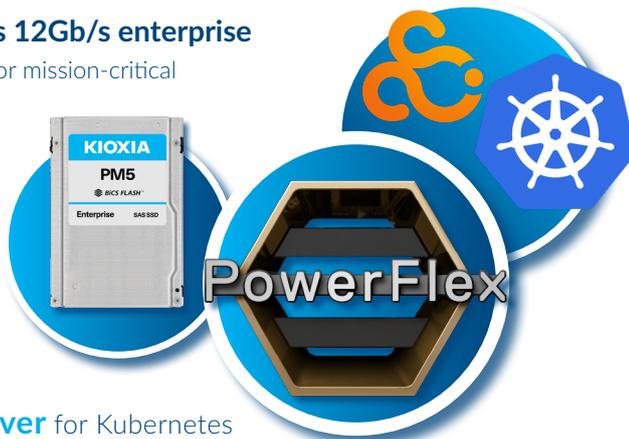


ACHIEVE
Performance + Scaling
MONITORED

Optimized Platform for Stateful Applications on Kubernetes

KIOXIA PM5 Series 12Gb/s enterprise SAS SSD:

optimized for mission-critical applications, designed for key applications with dual-port support for PowerEdge servers and Dell EMC storage systems.



Dell EMC PowerFlex and Kubernetes communicate using the Container Storage Interface (CSI) protocol.

SUPERIOR PERFORMANCE



Sustained 1.39M IOPS in just 8U foot print



Sub-millisecond latency

Dell EMC CSI driver for Kubernetes

Dell EMC PowerFlex Platform with KIOXIA PM5 Series SAS SSDs Achieves Superior Performance and Scaling of CassandraDB Orchestrated by Kubernetes



Over 325k ops/sec*
100% Reads of sustained throughput in only 8U*



Over 271k ops/sec*
100% Writes of sustained throughput in only 8U*

* Loaded 18B records using Cassandra stress tool

* 320M operations for each test

