

TOP REASONS TO CHOOSE DELL EMC POWERFLEX FOR MODERN DATACENTER

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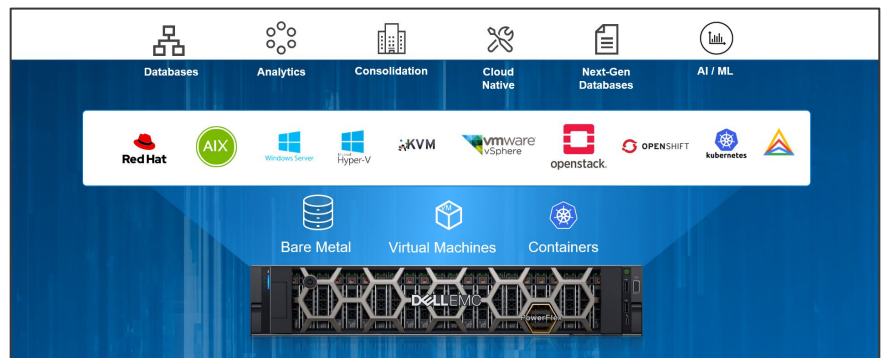
PowerFlex is a complete infrastructure platform that provides extraordinary performance by combining storage, compute, and networking resources with industry-standard hardware - eliminating silos while simplifying deployment and ongoing operations.

1 | Deliver Stringent SLAs Effortlessly

PowerFlex software-defined architecture delivers massive performance for both I/O and throughput intensive workloads by aggregating resources across a broad set of nodes. Just a few PowerFlex nodes can deliver millions of IOPs at sub-millisecond latency with real life workloads. Further, flexibility to combine storage media with varying performance profiles, coupled with simple sophisticated workload isolation capabilities ensure guaranteed performance SLAs without complications under any load conditions. For analytics and high-performance VDI workloads, PowerFlex offers a broad choice of supported GPU configurations. The platform is designed to scale linearly to 1000s of nodes, scaling performance, capacity, and compute resources linearly, modularly, and non-disruptively. The self-healing architecture delivers non-stop operations. The architecture delivers 99.999% availability, eliminating planned and unplanned downtime for maintenance and upgrades. Lastly, PowerFlex offers enterprise data services that include encryption, replication, snapshots, and data reduction. With support for VMware SRM, PowerFlex enables simple, effective disaster recovery and business continuity.

2 | Support All Workloads with Extreme Flexibility and Agility

PowerFlex offers flexibility to mix and match storage, compute and HCI nodes in a dynamic deployment, allowing you to scale storage and compute resources together or independently, one node at a time, and as your needs dictate. The platform can also support a broad range of operating environments – bare metal operating systems, hypervisors as well as container platforms – simultaneously with a unified infrastructure platform and management. With this, you can support a broad set of heterogeneous workloads with varying requirements on a flexible shared infrastructure platform. PowerFlex infrastructure PODs can be rapidly reconfigured, moving resources around as needed, to meet changing workload requirement quickly and effortlessly.



3 | Deliver Superior Predictable Workload Outcomes

PowerFlex is optimized and validated for a broad set of enterprise workloads ranging from Oracle database, Microsoft SQL Server, SAP HANA, Cassandra, and MongoDB; to Splunk, SAS, and Elastic. Dell Technologies lab tests demonstrate leading performance across workload categories - whether deployed bare-metal, virtualized or containerized. PowerFlex delivers market leading, predictable, and repeatable performance irrespective of workload characteristics – whether ingest-intensive analytics workloads,

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|--|---|--|--|--|
|  Microsoft SQL Server |  ORACLE® RAC |  elastic stack |  mongoDB |  cassandra |
| 7 Million TPM In 5 RU footprint | 10 Million TPM In 8 RU footprint | 1 Billion Events In 3 hours | 2.2 Million Operations/Sec In 4 RU footprint | 325K Operations/Sec In 4 RU footprint |
| Sub-Millisecond Latency | | | | |

transactional relational databases, or modern cloud-native NoSQL applications. PowerFlex is optimized with documented best practices for a range of automation and orchestration tools including VMware vRealize, VMware Cloud Foundation, Red Hat OpenShift and OpenStack, VMware Tanzu, Google Cloud Anthos, and Azure Arc, giving you choice and helping you simplify how you deploy and manage your modern applications.

4 | Slash Cost and Complexity of Your IT Service Delivery

PowerFlex is a complete infrastructure platform that combines storage, compute, and networking resources with industry-standard hardware. This eliminates horizontal silos and simplifies deployment and ongoing operations. PowerFlex Manager comprehensively automates infrastructure deployment, scaling and complete full-stack Lifecycle Management (LCM). PowerFlex Manager reduces administrative time by 95%, streamlining the number of steps involved in operations by over 77%, resulting in elimination of common errors while boosting IT productivity. PowerFlex Manager also offers integrations and APIs that help you automate your infrastructure and application workflows and simplify service delivery. PowerFlex Ansible modules offer extensive automation designed to simplify DevOps and modern application workflows. PowerFlex also supports AppSync to simplify application Copy Data Management workflows, enhancing data protection and boosting DevOps agility. Further, the recent integration with Dell EMC CloudIQ simplifies infrastructure monitoring and management at large scales with an AI and ML based approach.

5 | Dell Technologies - A Trusted Partner for Your Long-Term Success

PowerFlex is engineered, deployed, and supported as one system by Dell Technologies, minimizing risks in implementations and delivering predictable outcomes. PowerFlex customers benefit from Dell offerings in the following areas:

- Flexible OPEX consumption with [APEX Flex on Demand](#) and [APEX Datacenter Utility](#)
- Flexible deployment with [Dell Technologies Professional Services](#)
- Maximize investments, safeguard the future and deliver guaranteed outcomes with [Dell's Future-Proof Program](#)
- Financing options with [Dell Financial Services](#)
- Proven, tested solutions for [Security](#) and [Data Protection](#)



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PowerFlex solutions



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