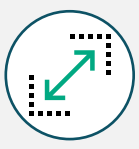
Hewlett Packard Enterprise

TEN REASONS TO CHOOSE HPE EZMERAL DATA FABRIC

1 MASSIVE SCALABILITY



HPE Ezmeral Data Fabric has the capability to handle trillions of files, thousands of nodes, and hundreds of petabytes across thousands of client hosts, clusters, and racks and across different geographical locations. It has the unique ability to extend across on-premises enterprise data centers, edge clusters, and the public cloud.

2 GLOBAL NAMESPACE

End users get a unified view and access method to the files without having to be aware of the physical location of the files. This allows for easy data management, minimal overhead, and distributed scale since the files can now be spread across edge, on-premises, and the cloud.

3 SUPPORT DIFFERENT TYPES OF DATA

With HPE Ezmeral Data Fabric, you get the unique benefit of deploying NFS-based applications and container-based applications. It allows you to consolidate across different environments to keep your operating costs down. There is no need to stand up different clusters for different types of data.

4 AUTOMATED DATA PLACEMENT

HPE Ezmeral Data Fabric maintains different temperatures on data based on their access frequency—hot, warm, and cold. Using topology awareness, HPE Ezmeral Data Fabric keeps track of nodes and racks across the data center. Data volumes are then placed on the appropriate nodes depending on their temperature. Volumes are also automatically moved across tiers as the temperature of data changes. This automated way of tiering data helps ensure invested capacity is efficiently managed and used every time.

5 DEPLOY ON ANY INFRASTRUCTURE

HPE Ezmeral Data Fabric supports different kinds of infrastructures. You can build an on-premises cluster with commodity hardware or extend your data center to the cloud, or build edge clusters if your business requires it. Whatever the environment, HPE Ezmeral Data Fabric offers a solution. You can deftly migrate data from on-premises to the cloud and get a simple management tool that allows you to manage your data on across different environments.

6 RELIABILITY AND HIGH AVAILABILITY

The foundational framework for HPE Ezmeral Data Fabric helps ensure that multiple copies of data are spread across nodes, clusters, and racks. With this, no data is lost at any given failure scenario. Access to data is achieved by accessing any of the copies. During failure scenarios, data is reconstructed at a fast pace wherein every node pitches in toward the reconstruction. The result is a highly reliable and available cluster powered by HPE Ezmeral Data Fabric.

7 MULTI-TENANCY AND SECURITY

HPE Ezmeral Data Fabric has multi-tenancy characteristics built in throughout its stack. Volumes are units of management within the offering and customers can create isolation at volume level and add quotas per tenant level as well. In addition to industry-standard authentication, authorization, wire-level encryption, and auditing features, HPE Ezmeral Data Fabric offers a unique feature called access control expressions (ACEs), which allows end users to be given or denied access to volumes. This combination of unique features makes HPE Ezmeral Data Fabric an ideal platform for multi-tenant environments.

8 FLEXIBILITY TO OPTIMIZE FOR SPEED AND COST

With HPE Ezmeral Data Fabric, the complex decision around what kind of storage you need and how much you need is removed. It supports HDDs and flash, and can be hosted on-premises, the cloud, and edge clusters. So now you can choose with less pressure upfront since you can easily scale to different types and sizes at a later stage. HPE Ezmeral Data Fabric is flash optimized for those applications that are performance sensitive and supports disks for less accessed data. You can migrate data from an on-premises cluster to the cloud for long-term repository then brings it back for analytical purposes.

9 NATURALLY ANALYTICS READY

The built-in analytics of HPE Ezmeral Data Fabric allows you to analyze the data without having to move the data out of the cluster once the analytics is complete. This reduces time to deploy and unlike traditional analytical environments, reduces costs in having to setup dedicated clusters. In situations where you simply want to create an analytical environment, HPE Ezmeral Data Fabric helps you to achieve the same results with no extra time or cost.

10 HIGH SPEED INGEST AND DATA PROCESSING

HPE Ezmeral Data Fabric exposes an NFS interface to the external clients. You can bring data into the cluster using the simple NFS and/or POSIX access methods and analyze the same data using Hadoop, Spark, or industry-specific data processing apps. NFS is a well-established industry-standard open protocol that allows you to deploy both legacy as well as newer applications on the same platform. Using NFS to bring in data eliminates the need to find and manage ETL tools just to ingest data, which minimizes the overall management aspect.

And because HPE Ezmeral Data Fabric is radically simple, it requires less specialized skill set to setup, configure, and manage thereby reducing the operation complexity and cost.

LEARN MORE AT

hpe.com/info/data-fabric

a50001591ENW, June 2020, Rev. 1