

# Dell EMC PowerMax vs. NetApp AFF

## Dell EMC PowerMax

**Delivers persistent SCM**  
Persistent SCM tier, with intelligent tiering.

**Cloud Mobility natively moves block data snapshots to the cloud**  
PowerMax can snap block data directly to public clouds or to Dell EMC ECS™ object stores.

**Intelligent array-based tiering**  
Automated data placement based on machine learning (ML) on array.

**Shared everything architecture**  
Incoming data is automatically load balanced across the cluster and shares a global R/W cache pool.

**Global deduplication**  
Dedupes data across all resources globally for extreme efficiency.

**Massive platform support**  
Supports open systems, mainframe, block and file.<sup>1</sup>



## NetApp AFF

**No storage side SCM**  
No announced plan to support SCM drives.

**No ability to move block data to the cloud with snapshots alone**  
NetApp cannot snap directly to the cloud.

**No intelligent array-based tiering**  
No support for automated, ML based performance tiering or data placement on array.

**Shared nothing architecture**  
Incoming data is owned by a single node, it can only utilize the R/W cache of that node and is not automatically load balanced across the cluster.

**Aggregate level deduplication**  
Aggregate level deduplication yields less efficient data reduction.

**Less platform support**  
Does not support mainframe environments.

<sup>1</sup> Mainframe support available on PowerMax 8000 only.

Comparison based on publicly available information, May 2021.

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