Top 5 best practices for tick data analytics

1 Leverage single copy architecture

In a centralized shared storage model, a single copy of all that market data can be managed. This is far less onerous than managing a copy for every compute node. Scale Out Object like Dell EMC ECS and Scale Out File like Dell EMC Power-Scale, offer choices of platforms of the protocol, but both offer a single copy architecture in central storage.

2 Run tick data analytics & AI/DL workloads simultaneously with data in place

It is increasingly common for market data to be used for both quantitative analysis and AI/DL simultaneously. The co-location of data that supports both types of jobs & compute is very common in these environments. No data movement or specialized configurations are required to run both tick data analytics and DL from the same storage location with PowerScale or ECS.

3 Take advantage of multi-cloud

Dell Technologies Cloud Storage for Multi-cloud allows a single copy of market data to reside in a hybrid cloud environment. This single copy of data can be utilized by the 3 major cloud service providers at the same time, without any need of moving or copying the data. All the while, data sovereignty and access control are maintained by the individual organization.

4 Benefit from high-performance object technology

There is growing interest in object storage technology for tick data, from long term retention to high performance utilization. ECS is a game changer for those who want to leverage object technology in their tick data analytics or AI,

5 Leverage massive scalability

Achieve the simplicity of storing all your tick data under a single file system and namespace for all your applications to use. This provides less operational overhead to manage this scalability. PowerScale's scale-out NAS allows non-disruptively scale capacity from Tbs to over 50 Pb all in a single file system. ECS's scale out Object technology allows non-disruptively scale capacity from terabytes to over 500 Pb all in a single namespace.

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