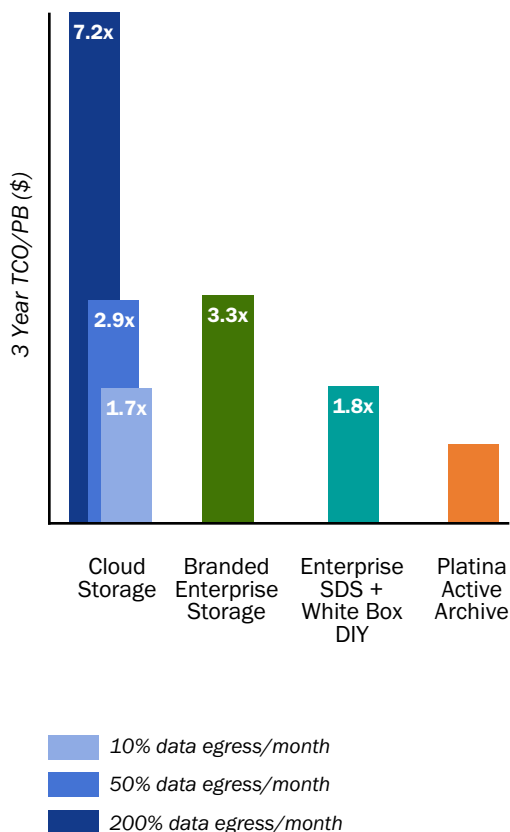


Benefits for Active Archives

Benefits

- Millisecond archive access/retrieval
- Lowest total cost of ownership
- Easy maintenance
- Future-proof
- Seamless integration with distribution



What Does Platina Do?

Platina Systems provides solutions to ease the deployment and operations of clusters implemented with traditionally siloed compute, storage and networking infrastructure. In doing so, Platina customers can focus on application development and minimize the operational efforts to manage the clusters hosting those applications, while leveraging modern platform technology such as bare metal servers, Kubernetes, and software defined storage, within their own private cloud environment.

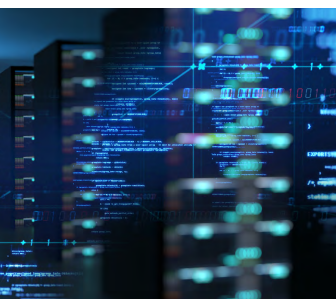
Platina's solution consists of a scalable, centralized management system – Platina Command Center (PCC) – which orchestrates cluster resources, and a hardware appliance – the Platina Cluster Head – that serves as the central networking and coordination point for compute and storage resources in the cluster.

Active Archives

Archives traditionally have been used for long term retention and preservation of infrequently accessed data. While these archives were “inactive,” they often consumed many petabytes (PB) of storage. For an increasing number of organizations, archives are being revitalized into a source of valuable data. As a result, archives are being accessed much more frequently by more users and their applications. For example, historical data is being used for ML/AI training and learning and archived media assets are being re-monetized through media production.

Traditional primary storage solutions are optimized for data on the order of hundreds of terabytes (TB). Cloud storage is cost prohibitive at PB sizes, primarily due to punitive egress charges. As a result, cloud providers and enterprises have chosen proprietary tape systems for inactive archives due to their relatively lower cost. Tapes are no longer a valid solution when factoring in requirements for multi-user access with millisecond (ms) performance and maintenance/migration costs due to system depreciation. “Active Archives” represent a rapidly emerging use case with a new set of price/performance requirements.

Benefits



Millisecond archive access/retrieval

In today's world of big data analytics and real-time queries, it is important to quickly find and access objects. As serial access devices, tapes simply cannot meet these requirements. Platina creatively applies random access technologies to provide the necessary performance while being economically superior for archives.

Lowest total cost of ownership

Platina's solution is cost-optimized for multi-petabyte archives, orchestrating archive infrastructure at a small fraction of alternatives on the market. Performance aside, tape economics are also burdened by lost productivity, migrations and other costs related to technology obsolescence. Cloud solutions are commonly the most expensive offerings, and organizations can avoid high recurring charges such as perpetual storage rental or SW support charges as well as unpredictable cloud egress charges.

Easy maintenance

Tape-based systems require new media and reader upgrades to get capacity improvements, resulting in on-going migrations which are both costly and time-consuming. Systems must still periodically test data integrity to avoid corruption due to media degradation, further burdening archive maintenance. Finally, proprietary referencing and metadata management complicate integration with other systems and migrations. Platina simplifies maintenance by providing a modern software defined storage solution. By incorporating distributed redundancy, error correction, etc., Platina automates operations to deliver a robust storage platform that can be used across multiple storage technologies and applications that can be easily maintained.

Future-proof

The amount of data that organizations archive continues to accelerate. The size, cost and effort to maintain these archives must scale. Tape libraries become unwieldy as they reach multi-petabyte scale and require forced periodic migrations to compress the physical archive size and to ensure compatibility. Ultimately, Platina's economics can unify a multitude of storage applications, utilizing PCC to manage both offline and online storage.

Seamless integration with distribution

As active archives are often tightly coupled to fast, efficient delivery of data, Platina's active archive solution fits seamlessly with modern application and content acceleration offering industry-leading price/performance.