tcs Cognix™

Cognix™ for Storage as a Service

Cognitive Business Operations

Several trillion bytes of data are being generated every day, and it is difficult to manage and use data optimally using conventional data storage technologies. There is a need for a scalable solution that consumes storage based on the actual usage. Businesses need a solution that automates data management tasks by adding machine learning and artificial intelligence capabilities to make data management processes self-configuring and self-tuning.
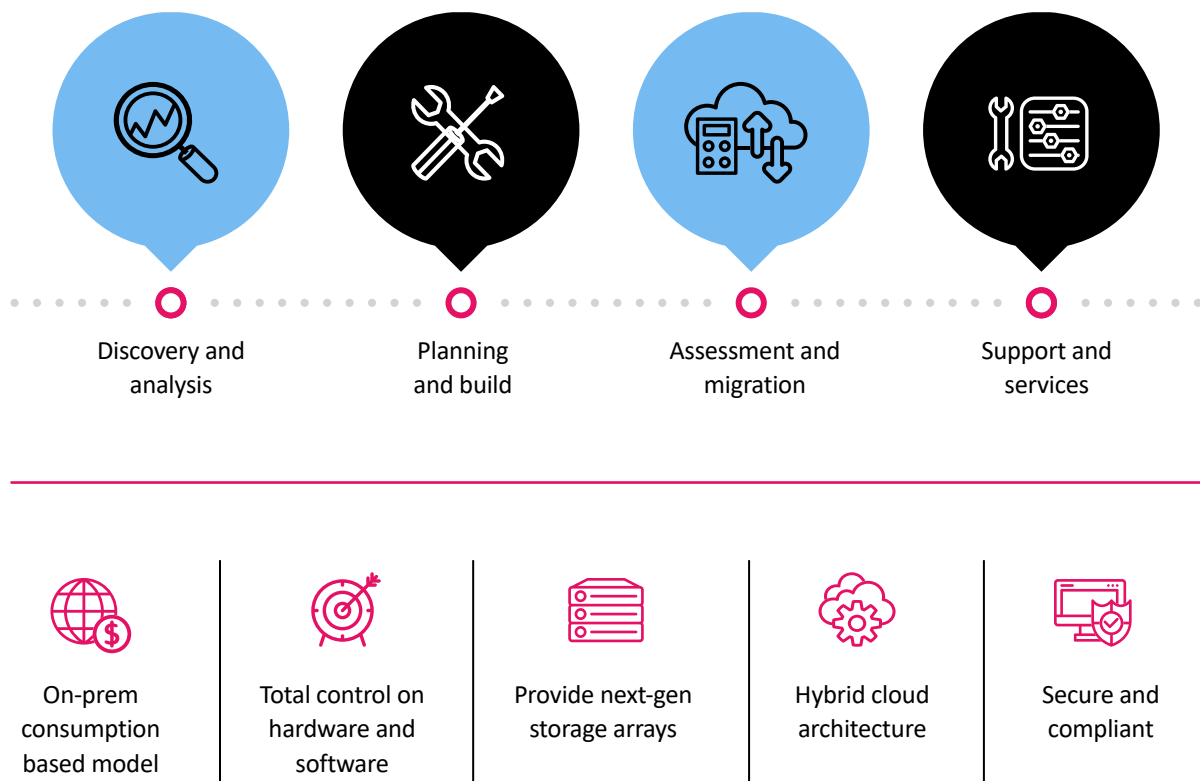
TCS Cognix™ Storage as a Service facilitates the data management strategy and improves the data readiness and quality to enable greater data management efficiency. The solution provides a true consumption-based pricing as a turnkey service. This allows rapid provisioning, increasing product flexibility, and significantly reducing time-to-market.

Overview

With the exponential increase in data volume and penetration, management of data and monitoring is becoming cumbersome for IT managers. Since storage can be expensive and inflexible, organizations have limited budget to procure storage and its associate license to accommodate the continual and unpredictable growth of data. Organizations need to purchase sufficient storage to meet peak storage requirements as storage inflexibility can impact time-to-market. Further, unplanned migrations put additional burden on companies' bottom lines and can result in big financial loss due to downtime, hampering the reputation of the company in the market. Managing the new data formats while utilizing the data sitting across legacy storage platforms is also a complex task.

TCS Cognix Storage as a Service solution alleviates the requirement for large capital outlay and provides the flexibility to scale the storage footprint up and down as per demand. The turnkey service and solution provides real-time insights to monitor, control and manage data storage. A cost-efficient and flexible solution that can be used in different ways to suit business needs, the solution provides additional or temporary storage capacity 'on demand' at a quick speed with an on-site installation.

TCS storage enablement services

| Discovery and analysis | Planning and build | Assessment and migration | Support and services |

| On-prem consumption based model | Total control on hardware and software | Provide next-gen storage arrays | Hybrid cloud architecture | Secure and compliant |

An overview of TCS Cognix Storage as a Service

Our solution

TCS Cognix Storage as a Service spans across different stages of data management:

- **Discovery and analysis:** Facilitate detailed assessment and analysis of existing storage environment and scanning of the existing infrastructure (SAN-NAS) to generate insights through as-is data analysis to target state development.

- **Planning and build:** Redefine the design architecture and set up the environment with recommended planning for best-fit build and implementation approach for all business needs.

- **Migration and consolidation:** Develop a data migration strategy and architecture, implement migration approach, and execute storage consolidation via a three-step process: migration plan development, execution, testing and validation, and data consolidation.

- **Support and services:** Understand technical know-how on IT needs and impart training by highly certified and qualified experts to ensure a high level of service availability and productivity with minimum disruption.

Benefits

The solution provides the following benefits:

Capex to opex: Offers a 100% consumption-based model that allows pay as per actual storage usage; it reduces storage TCO and leads to about 30% capex savings.

Full control: Deploys storage hardware at on-premise data center location of any third-party vendor as per the company's choice to gain full control.

Buyback: Uses buyback options from storage partners to get credits in return for old and legacy arrays.

Next-gen storage: Takes advantage of next-generation storage arrays with advanced features such as NVMe and All-Flash and FMD.

No application refactoring: Migrates data from old to new storage arrays without application refactoring.

Seamless connectivity from on-prem to Hyperscalers: Leverages public cloud connectivity to move to cloud in the future.

The TCS advantage

TCS solution provides the following advantages to enterprises:

Rapid deployment with zero risk: TCS offers a competitive edge in data center operations across consultation, design, build, and orchestration through the digital technology ecosystem. Our turnkey solution helps organizations achieve a faster time-to-market and delivers storage solutions using industry best practices.

Enable evergreen hardware refreshes: Our solution periodically refreshes and maintains your storage system and updates the storage array with the latest models to help reduce complex and expensive technology refreshes and data migrations.

Powered by Cognix and PRIME: Cognix is a solution powered by AI-driven human-machine collaboration suite with value builders, assessment frameworks, and industry-specific solutions. PRIME is a project services delivery model to execute consulting, design, and implementation projects across all verticals.

Optimization via a service catalog: Tiered storage services defined in a standard service catalog with SLAs and SLOs will help you match the appropriate data in the correct storage service with the appropriate cost.

Awards and accolades