DAIS Infrastructure Transformation Services

#InfrastructureTransformation
#RIMS
#HedgeFund
#CapitalMarkets
#FinancialServices

Digital DAIS through its orchestrated services and solutions capability enables successful execution of key digital initiatives such as application modernization, cloud migration and server consolidation for faster ROI. Our DAIS™ approach simplifies Infrastructure transformations adding benefits that traditional approaches do not account for.

CHALLENGE

A large US based Hedge Fund with significant global presence and round the clock operations had been experiencing challenges in servicing business needs due to continued dependency on dated infrastructure.

The CTO embarked on a major transformation program to create a digital and elastic infrastructure that would modernize existing systems and be flexible enough to scale up on demand when required. It should address ongoing business demands and allow for future growth plans.

APPROACH

DAIS™ Transformation is a value-add approach that takes the industry standards and best practices and ensures that higher degrees of robustness, responsiveness, scalability, and automation are met.

As a primary tech partner, through Digital-DAIS we collaboratively worked with business, technology, applications and operation teams to develop an exhaustive report come up with a road map and an execution plan to achieve infrastructure transformation objectives.

The report evaluated the current Infrastructure based on:
- Mission criticality of Applications, Databases and Platforms
- Compute, Storage, Networks, and Security
- Application & Infrastructure Performance against current and projected business growth
- Architecture support for evolving tech and business demands
- Provisioning speed for new applications

- Technology standardization
- Virtualization, and Remote Access policies and plans
- Device & Cloud strategy
- Opportunities and Goals for Automation, Self-service, and Secure Multi-tenancy
- Risk involved
- Regulatory compliance
- Cost of operations
- Existing Commercial models for business needs

Technology transition was planned and executed on the following three major tracks:

A. **Technology Change**: Replace old and obsolete with agile, scalable and secure environment.
    - Legacy hardware and hosted environments were replaced with on-demand cloud and virtualized setups.
    - Storage: Warm info stored in highly available SSD / Cache storages while large chunk of static information stored on inexpensive cloud buckets.
    - Micro services enabled through Docker containers.

B. **Process Alignment**: Changed processes to align with the new technology stack. Transitioned to Continuous Delivery and Continuous Implementation [CD/CI] pipelines with most recent version controls, multi-device/cloud based testing and software integration.

C. **Skills Upgrade**: Create teams understand the technology and process change
    - We suggested a mixed approach where existing teams were upgrade via skill training, and where there was need, new talent was brought in.
    - Developed integrated skill sets in the areas of Cloud, DevOps and IT security ensuring success with the technology changes and project initiatives.

BENEFITS:
- Servers Consolidation: From 800+ to 220+. Achieved reduction in maintenance efforts.
- Culture transition from Traditional to CI/CD. Resulted in continuous and quicker delivery
- OS Migration from diverse stack to Linux servers. Achieved better capability and sustainability.
- Improved Network Infrastructure:
    - Availability, Capacity, Accessibility, Security, Performance and Monitoring
    - Efficiency gains in each of 23 Data Centres. Achieved frictionless migration.

- Robust Business Continuity Plans [BCP] and Data Recovery Plans [DRP] were put in place
- Process consolidation and maturity benefits
- Upgraded an on-demand available skill set
- Reduced Total Cost of Ownership [TCO] by nearly 40%

If you are considering a Transformation program, or in the midst of it, contact us today for a no-strings-attached conversation around the challenges, solutions and best practices.