Hybrid Data strategy for Digital Transformation in XaaS World

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Next 20 Minutes

XaaS as we know today
Transformation to XaaS Era
Explosion of Data
Data Blueprint in XaaS World
Everything-as-a-Service (XaaS) is a generic term used for all “as a service” components or services which allow organizations and users to source and consume their technology requirements on demand.

Technology advances over the past few years has enabled users to consume services on-demand over the Internet instead of traditional on-premise solutions.
XaaS as we know today

**Goes beyond Cloud**
Any IT or business function. Not just Salesforce for CRM, AWS for compute, ServiceNow for IT help desk support.

**XaaS Democratized Innovation**
Mass experimentation becomes the primary catalyst for XaaS adoption.

**Becomes an Operating Model**
Leverages Autonomics and Artificial Intelligence to deliver technology services more rapidly.
Transformation to XaaS - what’s driving it?

**Drivers behind XaaS**

- **Digital as new DNA for businesses**
- **Explosion in number and type of devices**
- **Continuous demand for new services**
- **Need to integrate with ecosystem**
- **Increase in number of service providers**
- **Explosion in volume and type of data**

**Transportation as a Service**
- UBER
- TAXIFY
- LYFT

**Accommodation as a Service**
- Airbnb
- Tripping.com

**Payment as a Service**
- Zapper
- Google Pay
- Samsung Pay
- Snapscan

**Malware as a Service**
- Anti-virus and security
- VMware AppDefense

**Entertainment as a Service**
- Netflix
- Spotify
- Apple Music
- Amazon Prime
- Google (YouTube)
Shaping the XaaS Era
Intersecting Worlds of the Service Universe

Based on ITIL V2, the CMDB is the center of the ITSM universe

Based on ITIL V3, the Service Portfolio is the center of the ITSM universe

In today’s 21st Century Enterprise, the Service catalog is the center of the business universe

Technology Centric
CMDB/Service Maps

2011-2016

Business Centric
Service Portfolio

2016-2020

Consumer Centric
Service Catalog

XaaS strategy is an imperative for “Digital Transformation”
Shift in Conversations in XaaS World
Unstoppable Drive Towards Data Management

Infrastructure
Data
Applications

2000+

2010+

Today and Beyond…
Over the next 2 to 3 years, data explosion will accelerate, driven by new technology trends.

A multi-pronged strategy is essential to address the upcoming data growth.

Emerging technologies will redefine applications...

...posing unique requirements on IT infrastructure...

...redrawing the ecosystem of industry players.

Emerging Software Business

Traditional Systems Business

- Business Insights
- IoT
- AI
- AR / VR
- Surveillance
- Autonomous Vehicles
- Genomics

- Webscale
- Cloud-native
- Containers
- Core + Edge
- Software Defined
- Storage
- Hyperconverged
- Flash / SCM

- Engineered Storage Systems
- Converged
- Networked Storage

- Business Apps
- File Services

- Enterprise

Key Players

- Amazon
- Google
- PREDIX
- Workday
- Box
- Oracle
- NetApp
- IBM
- Microsoft
Future state of Data

How much
By 2025, total amount of digital data created worldwide will rise to 163 zettabytes.

Source: IDC in Seagate Data Age 2025

Who will manage
By 2025, **60% of the 163 zettabytes** of existing data will be created and managed by enterprises.

Live vs Past
By 2025, **more than 25%** of all data created will be real-time.

Data will see a **30% CAGR** through 2025

Impact of IoT
By 2025, **IoT data analyzed and used to change business processes** will be as much as all of the data created in 2020.
Hybrid Data Blueprint in XaaS World

XaaS Consumer Personas
- Casual Data Consumer
- Monitoring Data Consumer
- Exploratory Data Consumer
- Decision Data Consumer

Keyword Search → Operational Dashboard → Nonrelevance Queries → Decision Automation

Hybrid Data Processing and Management

Pervasive Analytics

Automated Data Plumbing From Hybrid Data Store

Hybrid Data Residence
- Any Device
- Any App
- Any Data Store
- Any Cloud

Consumption and Self-Service driven by Analytics and AI

Information Access Fabric

Query Transformation and Processing

Data Discovery, Preparation & Presentation
- Knowledge extraction
- Machine Learning
- Data Science
- Data Processing
- Data Visualization
- Predictive Analytics

Data Access Fabric

Analytics User Based Patterns
- Edge Analytics
- Stream Analytics
- Sentiment Analytics
- Monitoring Analytics
- Context Analytics
- Content Analytics
- Ops Analytics

Other Analytics Patterns
XaaS Ecosystem Collaboration via ServiceXchange

Use case example
Key Takeaways

- Create and Own a Data Management Strategy
- Democratize Access to Data
  - Remove unwanted Restrictions
  - Flexibility in licensing, and workload types
- It’s Hybrid or Nothing!
  - Cloud AND on-premises
  - Relational AND Open Source
  - SQL AND NoSQL
  - Structured AND Unstructured
- Embrace Artificial Intelligence

For more information on HCL’s industry leading Autonomics And Orchestration solutions please visit www.dryice.ai
Thanks!

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