FREE Migration to Synapse Rapid Assessment 2-Day Workshop

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SOFTSERVE BY THE NUMBERS

10,000+

Associates

38

Offices
around the globe

12

Countries
With SoftServe Clients

77

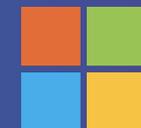NPS score
(Q3 2020)

10,000+

Projects
For Customers

6,500+

Software Engineers

1,200+

Cloud experts

92%

Client Return %

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GLOBAL NETWORK

TORONTO

SAN FRANCISCO

SALT LAKE CITY

BOSTON

NEW YORK

LOS ANGELES

ATLANTA

AUSTIN

FORT MYERS

OSLO

BIALYSTOK

WARSAW

KHARKIV

WROCLAW

RIVNE

DNIPRO

BERLIN

LONDON

AMSTERDAM

GLIWICE

KYIV

FRANKFURT

LVIV

CHERNIVTSI

IVANO-
FRANKIVSK

BARCELONA

SOFIA

SOUTH KOREA

JAPAN

SINGAPORE

AUSTRALIA

NEW ZEALAND

Gold
Microsoft
Partner
Microsoft

DEVELOPMENT CENTERS

Ukraine
Poland
Bulgaria
USA

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FEATURED CUSTOMERS

SOFTSERVE MICROSOFT PARTNERSHIP

MICROSOFT GOLD PARTNER

- Partner since 2004

MICROSOFT PRACTICE

- 500+ Satisfied Customers
- 1,000+ Delivered Projects
- 1,000+ Microsoft certifications
- 120+ Azure Certified Professionals
- 3 Microsoft MVPs

PROGRAM PARTICIPATION

- PIE / ECIF / Planning Services

GOLD COMPETENCIES

- Application Development
- Application Integration
- Collaboration and Content
- Cloud Platform
- Cloud Productivity
- Data Analytics
- Datacenter
- DevOps

SILVER COMPETENCIES

- Messaging
- Windows and Devices

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SOFTSERVE CTO ORG CENTERS OF EXCELLENCE

RESEARCH & DEVELOPMENT

- R&D Innovation
- Feasibility Study
- R&D as a Service
- Deep Tech Research
- Advanced AI

EXPERIENCE DESIGN

- Design Thinking
- Design Research
- Design Strategy
- Product Design
- Service Design
- Design Ops

SOLUTIONS

- Digital Strategy
- Business Analysis
- Product Management
- Architecture
- Performance Testing

INTELLIGENT ENTERPRISE

- Big Data
- Data Science, AI/ML, MLOps
- IoT
- Robotics
- Extended Reality (AR / VR / MR)
- GDPR
- Blockchain
- Technical Due Diligence

PLATFORMS

- Salesforce
- Sitecore
- MS Dynamics
- AEM
- EPiServer
- MuleSoft
- Magento
- Dell Boomi
- Shopify
- Drupal

CRITICAL SERVICES

- Cloud/DevOps
- Security & Governance
- Operations Support
- Application Support

INNOVATION

- Innovation Strategy
- Innovation Platform

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BIG DATA AND AZURE EXPERTISE

390+

Big Data, AI, ML, BI, IoT Experts

200+

Big Data Experts with Microsoft Background

25+

Big Data Architects

1

Data Platform Microsoft Valuable Professional (MVP)

200+

Data Scientists, Big Data Architects, Data Engineers and Data Analysts

30+

Azure data projects

120+

Experts with Azure cloud certifications

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ABOUT THE WORKSHOP

The balance between strategic planning and educational aspects will be defined prior to workshop because its solely depends on the readiness of your organization to the change. The ultimate goal of the workshop is to trade-off different migration scenarios and select the best approach based on rapid assessment of your current state and business objectives. Let's concentrate on the most critical areas to achieve this goal in the short term.

During the workshop we will discover complexity of your existing system and migration scope, explain possible scenarios, select the best solution-candidate and define next steps: in-depth assessment and migration planning, proof of technology or MVP.

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AGENDA & DELIVERABLES

AGENDA

- A bespoke introduction to Azure Synapse Analytics as an extensible unified data platform

- Migration scenarios overview

- Define key business drivers, priorities, scope, identify risks

- Conduct an initial assessment (existing data eco-system, data sources and data flows, data consumption scenarios, use cases)

- Trad-off analysis of migration scenarios, select solution candidate

- Define next steps

DELIVERABLES

- Assessment report – identified key drivers, constraints and risks

- Solution vision

- High-level scope for the subsequent PoT/MVP or in-depth assessment and migration planning

- Benefits of migration to Synapse

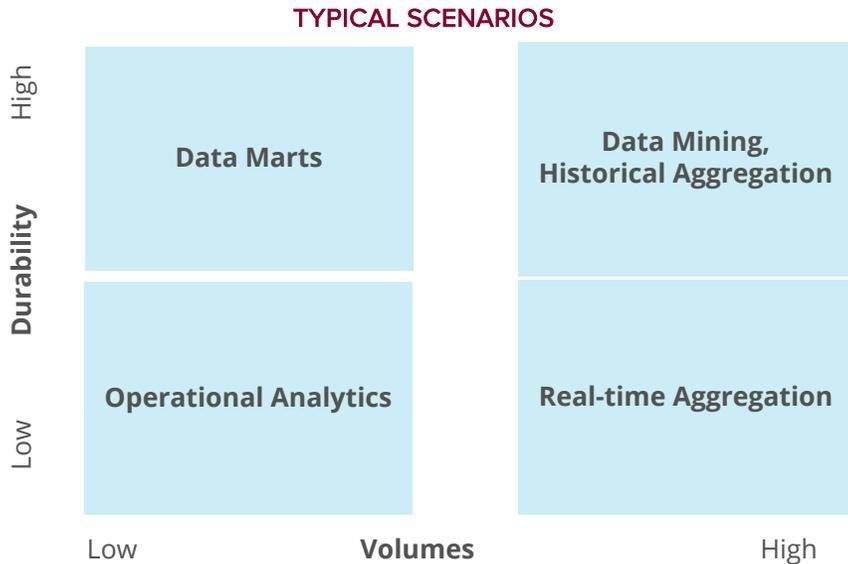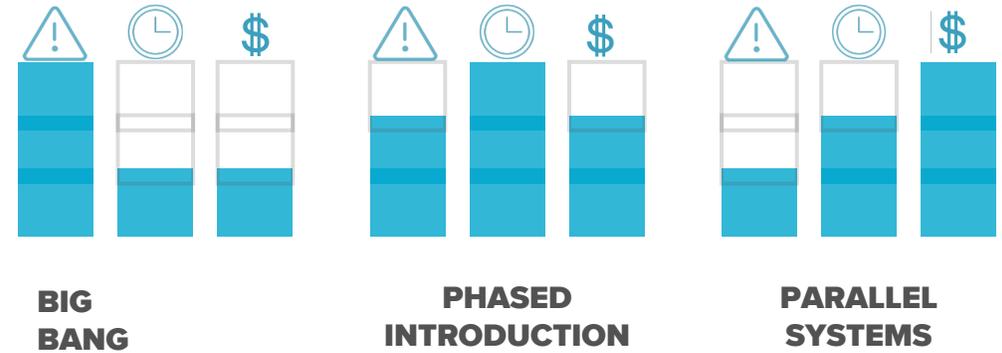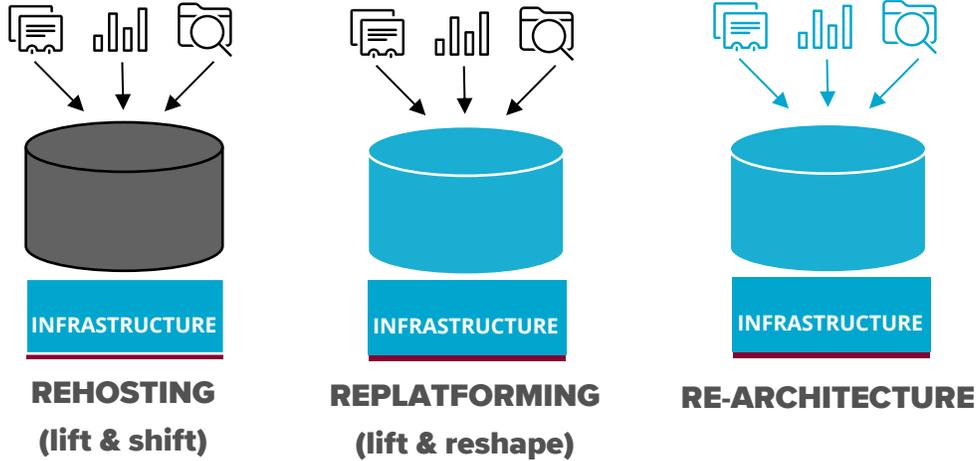- Estimated budget for the next step

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WHY TO ACT

- TCO – optimization, up to 30-55% with cloud-native Data Warehouse services

- Performance, scalability, elasticity – provide ample resources to be provisioned on a timely manner

- Accelerate time-to-market with simplified path to onboarding new technologies

- Leverage the power of cloud ML capabilities to enable data-driven decision making
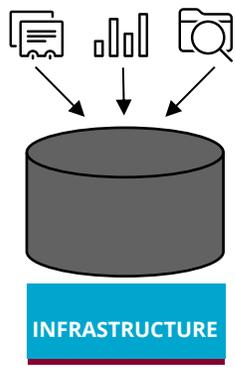
KEY DECISION DESIGN

REHOSTING
(lift & shift)

REPLATFORMING
(lift & reshape)

RE-ARCHITECTURE

INFRASTRUCTURE

BIG
BANG

PHASED
INTRODUCTION

PARALLEL
SYSTEMS

TYPICAL SCENARIOS

	Low ← Volumes → High
High Durability	Data Marts / Data Mining, Historical Aggregation
Low	Operational Analytics / Real-time Aggregation

TARGET ARCHITECTURE AND TECHNOLOGIES SELECTION

	OPTION A	OPTION B	OPTION C
PERFORMANCE	HIGH	MODERATE	MODERATE
SECURITY	MODERATE	STRONG	STRONG
SCALABILITY	HIGH	MODERATE	LOW

MIGRATION CHALLENGES

- Reverse engineering and re-architecture of existing Enterprise Data Platform

- User experience continuity

- Integration with an existing ecosystem

- Re-implement security and compliance requirements

- Optimizing migration of complex workloads

- Accelerating overall migration timeline

REHOSTING
(lift & shift)

Typical case:
Infrastructure virtualization: migration from bare-metal to Infrastructure-as-a-Service solutions in a Cloud, without any cloud optimizations
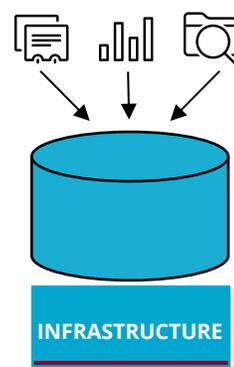
Advantages:
Immediate infrastructure cost optimization, up to 20%

Migration scope & tactique:
- Data model: no changes
- Data processing logic: no changes
- Upstream & downstream systems: repoint to new system
- Data access model: no changes

Examples
- Hadoop migration from bare-metal to HDInsight instances
- RDBMS migration from base-metal to virtual instances in a Cloud
- Application migration to virtual instances

REPLATFORMING
(lift & reshape)

Typical case:
Existing Data Warehouse satisfies business requirements, however, there is a need to improve performance and scalability
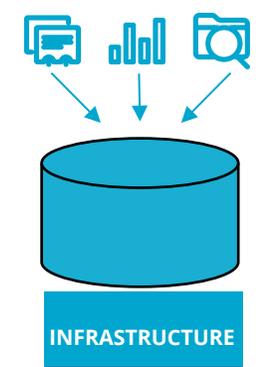
Advantages:
- Accelerated time-to-market for migration
- Immediate maintenance cost optimization, up to 20-30%
- Improved scalability and elasticity, ability to increase performance instantly without refactoring

Migration scope & tactique:
- Data model: no changes or with minimal adaptation
- Data processing logic: to the same or compatible technology
- Upstream & downstream systems: repoint to new DWH in the Cloud
- Data access model: no changes or with minimal adaptation

Examples
- Teradata migration to Synapse

RE-ARCHITECTURE

Typical case:
- Existing DWH is not sufficient to on-board new business requirements (new use cases, reports, analytics needs)
- There is a movement to Cloud, but major technology does not cover all existing use cases

Advantages:
- Simplified path to onboarding new use cases
- Flexible and cost-effective final solution due to maximized cloud capabilities utilization
- Redundancies in the current workload can be removed

Migration scope & tactique:
- Data model: no changes
- Data processing logic: no changes
- Upstream & downstream systems: repoint to new system
- Data access model: no changes

Examples
- EDWH migration to Synapse and data processing logic conversion to Synapse Spark pool jobs and Synapse pipelines