

CSU Migration Factory Lakehouse



Purpose

Design, build, and deploy repeatable, lowto-no code change required data engineering pipelines into a Lakehouse with analytic landing zone guidance.



Resources

Microsoft Resources

- Microsoft Architects, PM & Developers
- Microsoft Account Team
- Repeatable assets for rapid deployment

Customer Resources

- Customer Executive Sponsor
- Customer Data Architects & Engineers (Skills: Azure Databricks, SQL, ADX/KQL)
- Customer Azure / IT Admin (Skills: Source System Access)



CUSTOMER OUTCOMES

- Infrastructure As Code (IoC) scripts & automated parameterized platform provisioning
- Predefined application templates and accelerators aid in bootstrapping the development process.
- Data engineers will analyze your data sources (Azure SQL, Postgres, MySQL, Oracle, SQL On-Prem, flat files, Hadoop or TSI) and define ingestion, cleansing and query requirements
- Our expert team will develop, test, and deploy a customer selected high value use case

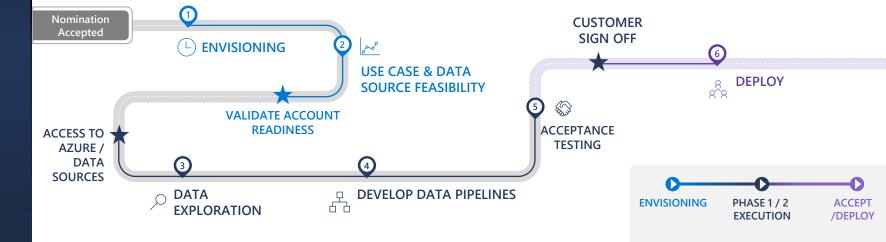


	CUSTOMER	MSFT
Define Use Case Scope	R/A	R/C
Setup Azure Resources	R/A	
Grant MSFT Access to Sys	R/A	C/I
Source Connectivity	R/A	
User Acceptance Testing	R/A	C/I
Deploy Lakehouse to Prod	R/C/I	R/A
Build & Test Deployment	1	R/A

PRE-ENGAGEMENT ACTITIVIES

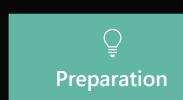


JOURNEY FOR TYPICAL ENGAGEMENT





Our Approach: Lakehouse Migration Factory Process





Envisioning



Execution – Phase 1

Execution - Phase 2

Deployment

- You were nominated for the Lakehouse migration factory
- Resources from Microsoft are provided for *FREE* including Project manager
- Envisioning meeting should be extended to all resources

- Validation of use case (Use Case)
- Outline and approval of Use Case scope
- Approved acceptance (Go) criteria
- Build out best in class architecture to support resilient deployment
- Build out phase 1 for viability; execute and deploy remaining data pipelines
- Execute test cases
- Go/No Go
 Determination on success with customer

- User acceptance
- Production deployment
- Hand-off to customer



TSI to ADX Execution Model













ADX CSA Corp Buddy

Owners

Offers CMF

Offers CMF to help Account team migrate Cx identified in **Propensity List**



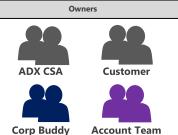




Discuss CMF

- Account team decides if they want to offer this to their Cx.
- Account team schedules call with Cx next.

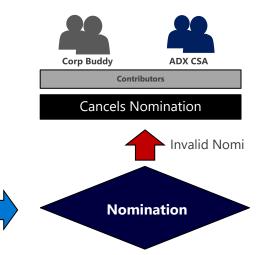




Contributors

Scoping

- Technical prerequisites
- TSIGen1 or Gen2
- Scope what's pending for customer to completely migrate





Corp Buddy Factory Team











Factory Team ADX CSA

Customer Owner

Contributors

Validates Migration

- Tests to validate pre-regs mets
- Removes access to TSI
- Decoms TSI when ready





Owner







Contributor

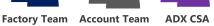
Executes Migration

- Follows repeatable-IP steps to migrate TSI to ADX
- Unblocks tasks to complete migration in adherence to scope









Contributor

Test Migration



- Demos to Cx migration accelerator
- Specialist/CSAM dispatches ADX CSA (if escalation reg.)



Owner





Contributor



Start CMF



- Leverages repeatable-IP Develops accelerators
- Reviews with PG new blockers
- Updates ADO



Closing









Customer Assistance

Owner

Remains engaged with customer.