


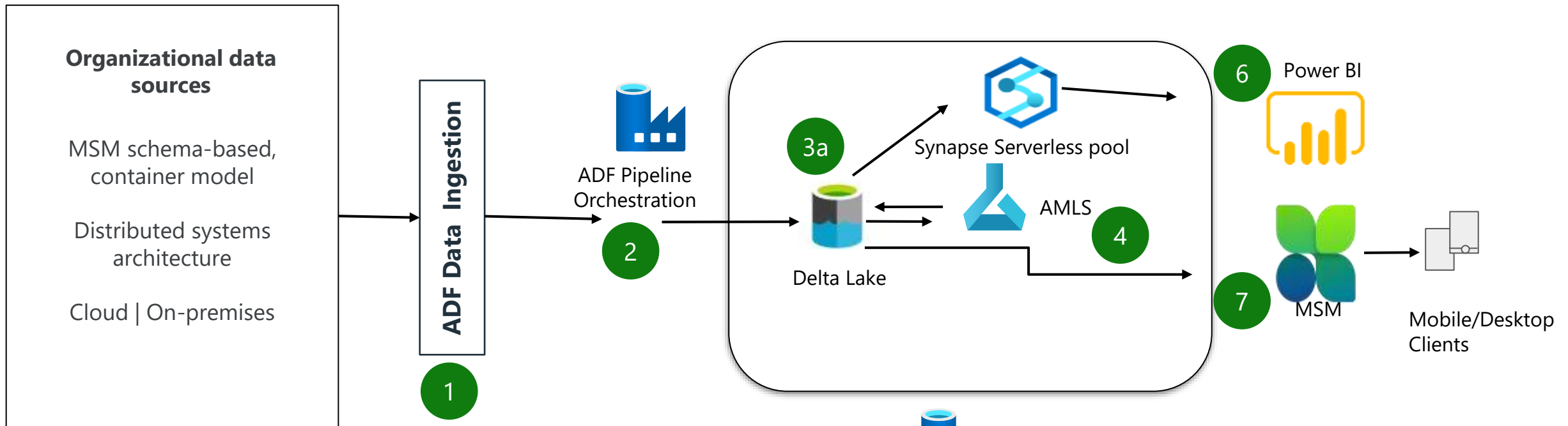


Maureen Data Systems
Microsoft Sustainability
Manager Data Staging
Platform

Innovation.
Sustainability.
Automation.

Data Staging Platform High-Level Architecture

3b 
Phase 2: Automated data
classification and governance



Data Curation and
Machine Learning



Data Staging Platform Dataflow

- 1 Utilizing ADF's cloud, on premise capability of data ingestion.
- 2 Custom pipelines to orchestrate the data pipeline ingestion.
- 3a Delta lake containing bronze, silver and gold copies of data.
- 3b *Future state: Automated data classification and governance using Microsoft Purview classification service and data policies.*
- 4 Ingested emissions data, curated and updated for MSM ingestion and/or ML model training.
- 5 Azure Data Factory data orchestration for ML model training; creating delta tables which would be queried using synapse serverless pool.
- 6 Custom Power BI reports using alternative, industry report provider formats (i.e. GRI, SASB).
- 7 Customized MSM User Experience (UX), dynamic PowerApps UI extensibility for customer specific brand/campaigns.





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