

CLOUD CONSULTING AND ENGINEERING JOURNEY OVERVIEW

Consulting

Assessment & Migration Planning

Foundation & Landing Zone

Migration Factory Setup & Migration

Operations Support & Program Governance

- Cloud Strategy formulation
- Cloud assessment
- Finalize Business Case for Cloud Migration
- Guiding Principle prioritization
- Technology stack and standards finalization
- Migration vs Cloud-Native Assessment & Architecture
- Cost & Billing Analysis
- International & Partner Alliances focus (NA, EU, Asia)

- Assessment covering Application portfolio discovery, infrastructure mapping.
- Migration planning covering move group planning, right sizing and migration plan ,target deployment architecture (migration execution , testing, data migration etc.).
- Key Risk identification and Mitigation plan formulation

- Transition of any existing Cloud footprint
- Multi-Cloud Public Cloud and Private Cloud Landing Zone design alignment
- Team resource on-boarding assistance
- Foundation automation, build and testing using
- AWS cloud formation, Azure ARM templates, AWS SSM, vRealize Automation and IaC.
- Setup

- Migration factory setup
- Migrate application hosted in Customer Datacenter to Public & Private Cloud using Industrialized approach for 'Cloud Migration Factory'
- Infrastructure based migration support leveraging "Lift+Shift" approach
- Performing Testing (Smoke Testing) and Cutover in collaboration with Customer
- Post migration activities (Runbooks, Learnings, DR/BCP drills)

- Program Management
 - Program Governance
 - Budget Management/Business case realization
 - Risk management
- Service Management and Processes
 - CloudOps
 - 24x7 monitoring and management (Hybrid Cloud)
 - Command Center and Service Desk
 - Cloud ASM

- Strategy Document
- Reference Architecture
- Tools Portfolio
- RFP Response, Bid Defense, SOW, MSA, NDA Collaterals
- Legacy Modernization Patterns & Models

- Business Case
- Inventory Mapping
- Move Group Recommendation
- Migration/Testing plan
- Decommission plan
- Risk identification/mitigation plan






























- HLD/LLD for Hybrid Foundation
- Automation artifacts for Foundation setup
- Foundation setup for New Regions
- Setup of Lift+Shift migration tools

- Move group finalization
- Migration POC
- Migration/Testing execution using Factory model
- Decommissioning of System and Database

- Operations Runbook/SOPs creation
- DevOps/CloudOps/CloudSec Ops Architecture
- Setup Automation framework toolset
- Operations Steady State
- Continuous Service Improvement

Key Deliverables

SAMPLE CLOUD ENGAGEMENT SNAPSHOT

S No	Client Name	Description of project	Migration Type		Target Cloud			
			Lift & Shift	PaaS Migration	Public			Private
1	Large Financial Services Provider	<ul style="list-style-type: none"> Assessment, Planning, Remediation, Migration, Cloud-Native Development of Apps & Data platforms to Pivotal Cloud Foundry, Azure and AWS 						
2	Large Telecom Service Provider	<ul style="list-style-type: none"> Assessment, Planning, Remediation, Migration and Integration of application to PCF and AWS cloud as well as CloudOps 						
3	Large Clinical Trial Lab with M&A	<ul style="list-style-type: none"> Assessment, Planning, Remediation, Migration of 200+ workloads and Cloud-Native Development in Azure Azure PaaS Build, CRM in Force.com, Salesforce Apex/UI Migration of Data Platforms (Database, ETL, BI, DW) 						
4	Leading provider of revenue cycle services	<ul style="list-style-type: none"> Cloud Blueprint, Architecture, Business Case Cloud Migration of landscape Integration with SaaS 						
5	Leading Food Service	<ul style="list-style-type: none"> Digital Transformation – Cloud, DevOps, BigData, DataScience, APIs & Microservices 						
6	Insights & Monetization Platforms	<ul style="list-style-type: none"> Building Digital & Data Platforms for Credit, Risk, Marketing, ID & Fraud 						 & Onprem Private Cloud

More Cloud engagements...

- Simple Lift+Shift Migrations
- IBM Cloud (zCloud, Bluemix, APIConnect, APIM)
- RedHat OpenShift CaaS/PaaS
- Salesforce Onprem CRM/Marketing Suite
- Oracle Cloud for SOA & Apps
- Several SaaS integrations in the Cloud, etc.

CLOUD PORTFOLIO REFERENCE ARCHITECTURE

Platform Engineering –Re-Factor/Re-Architecture/Re-Build based on **Microservices/ Serverless Architecture**, Development & Testing, Performance Engineering

Cloud Ops

Containerization, Cloud Infra Provisioning, Deployment, Configuration, Testing, Roll-Out & Operations Support

Big Data, Analytics & Data Science

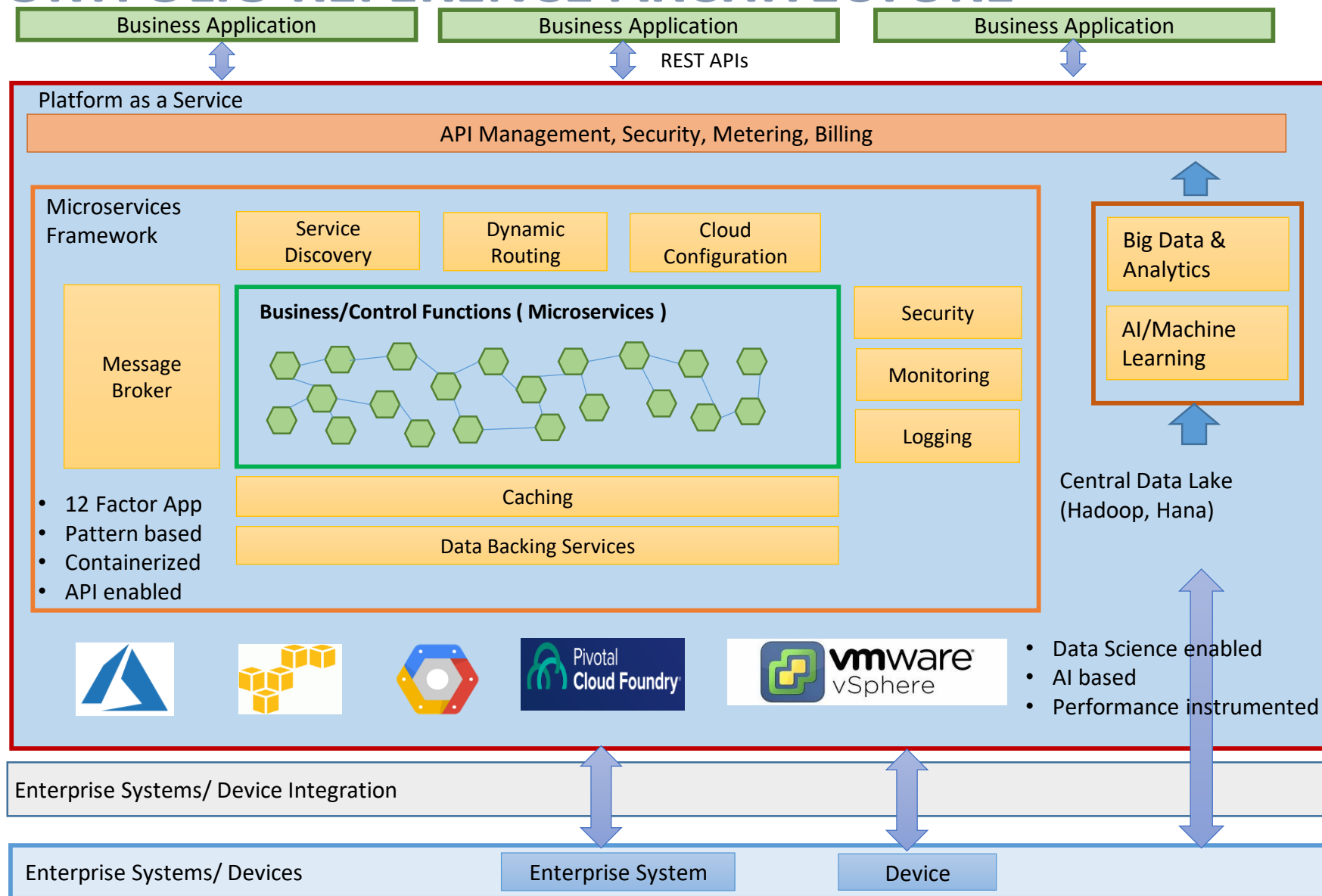
Data Modelling, Steam Data Ingestion and Data Lake Creation, Predictive Analytics AI/ML, Reporting

API enablement, API management and value added business service enablement of legacy systems for new age extensions

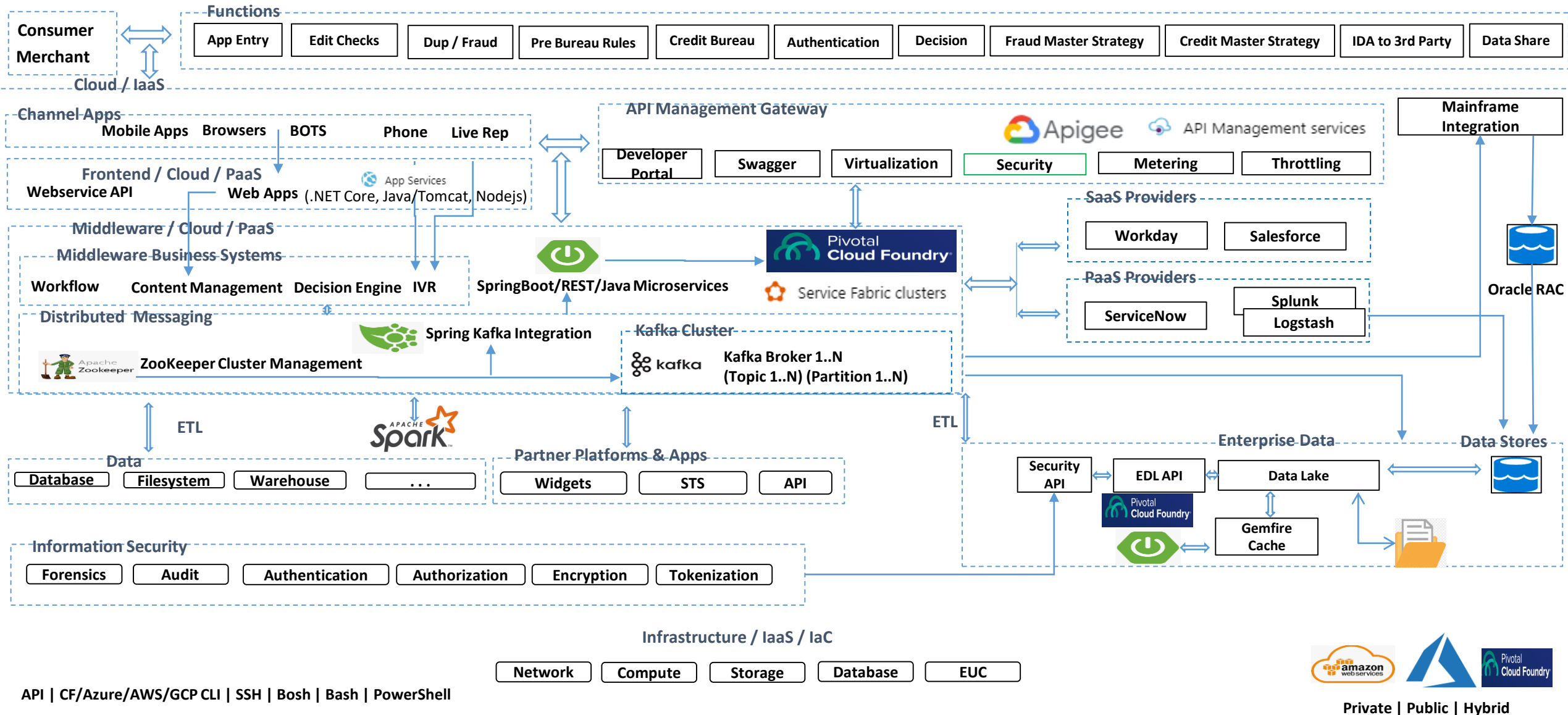
DevOps – CI/CD Pipeline Creation

Deployment Automation

Conceptual Architecture

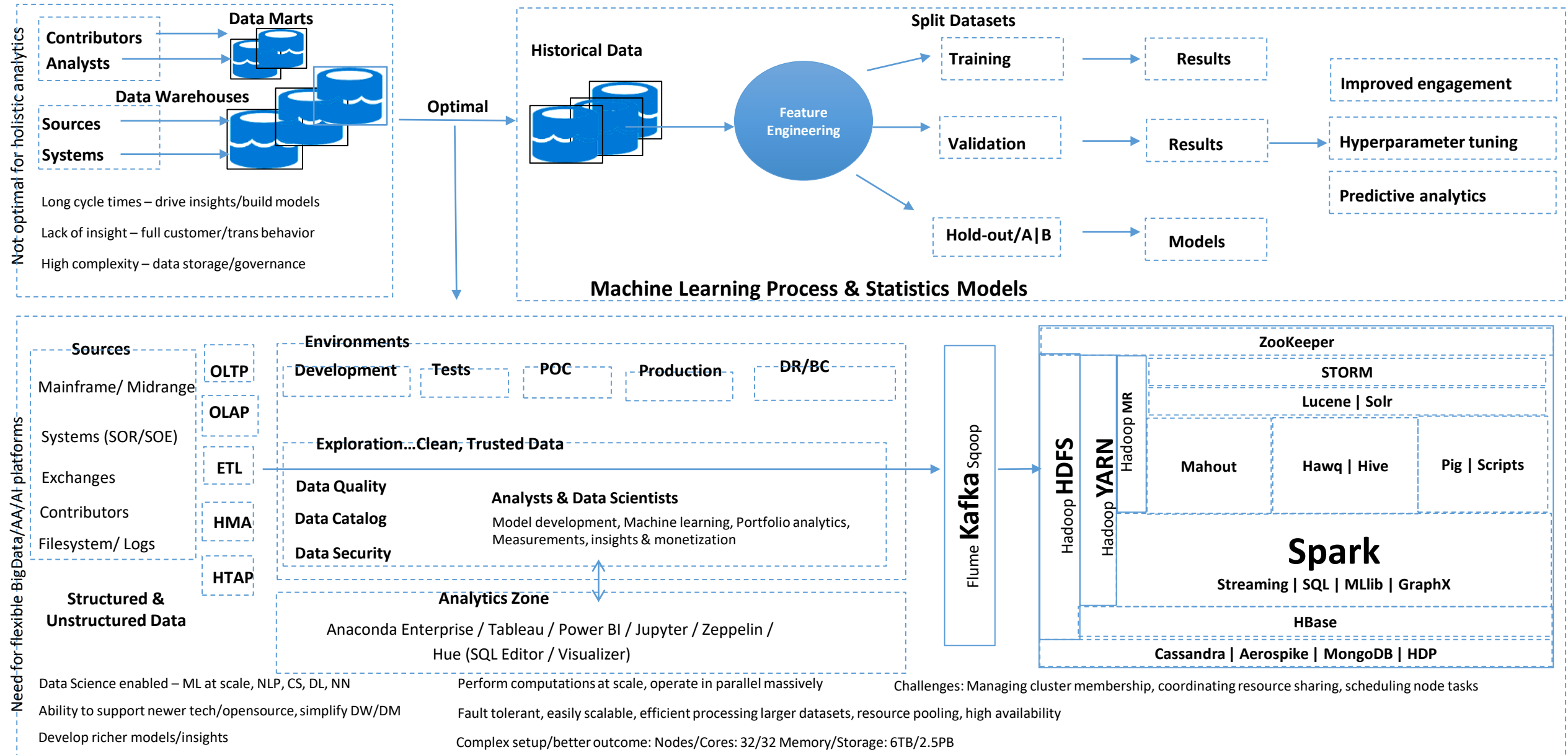


SAMPLE INTEGRATION REFERENCE ARCHITECTURE



API | CF/Azure/AWS/GCP CLI | SSH | Bosh | Bash | PowerShell

SAMPLE BIGDATA & DATA SCIENCE REFERENCE ARCHITECTURE



SAMPLE AZURE REFERENCE ARCHITECTURE

