Appkube Dashboards ROI
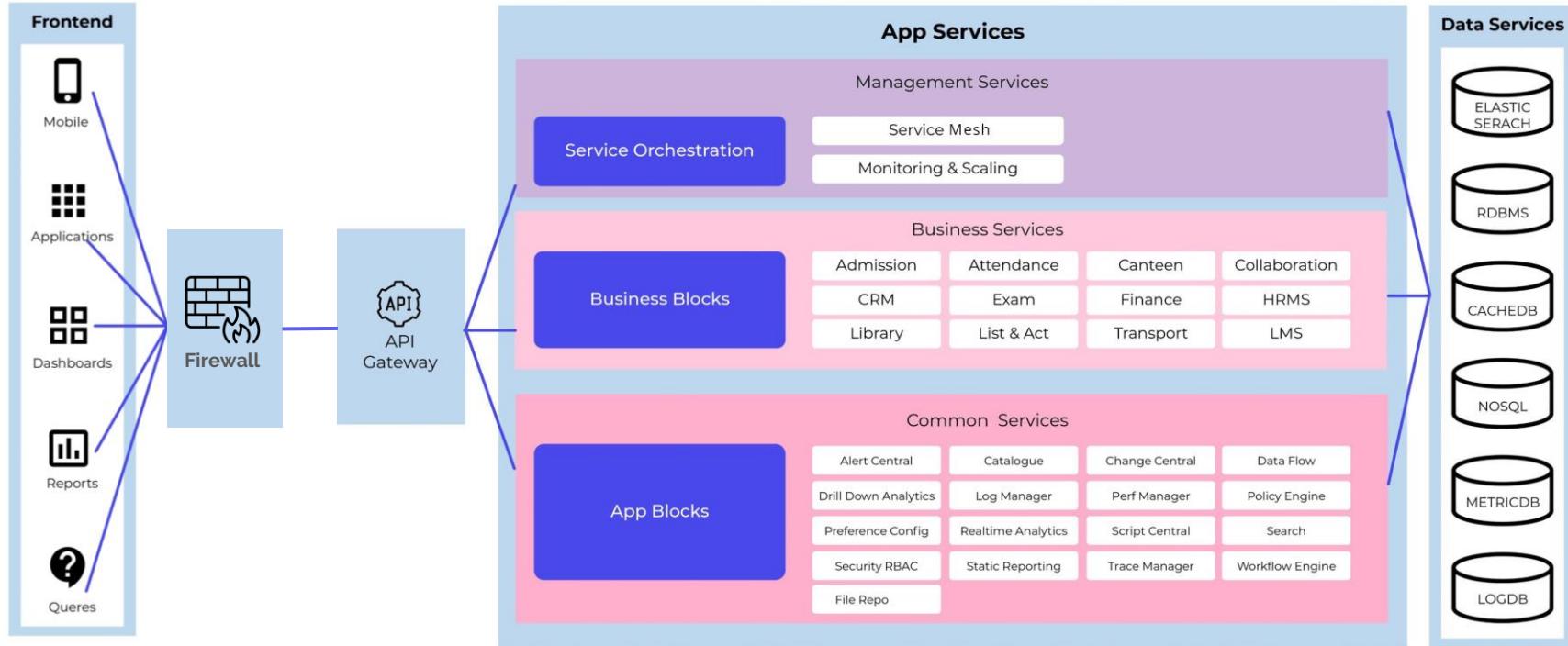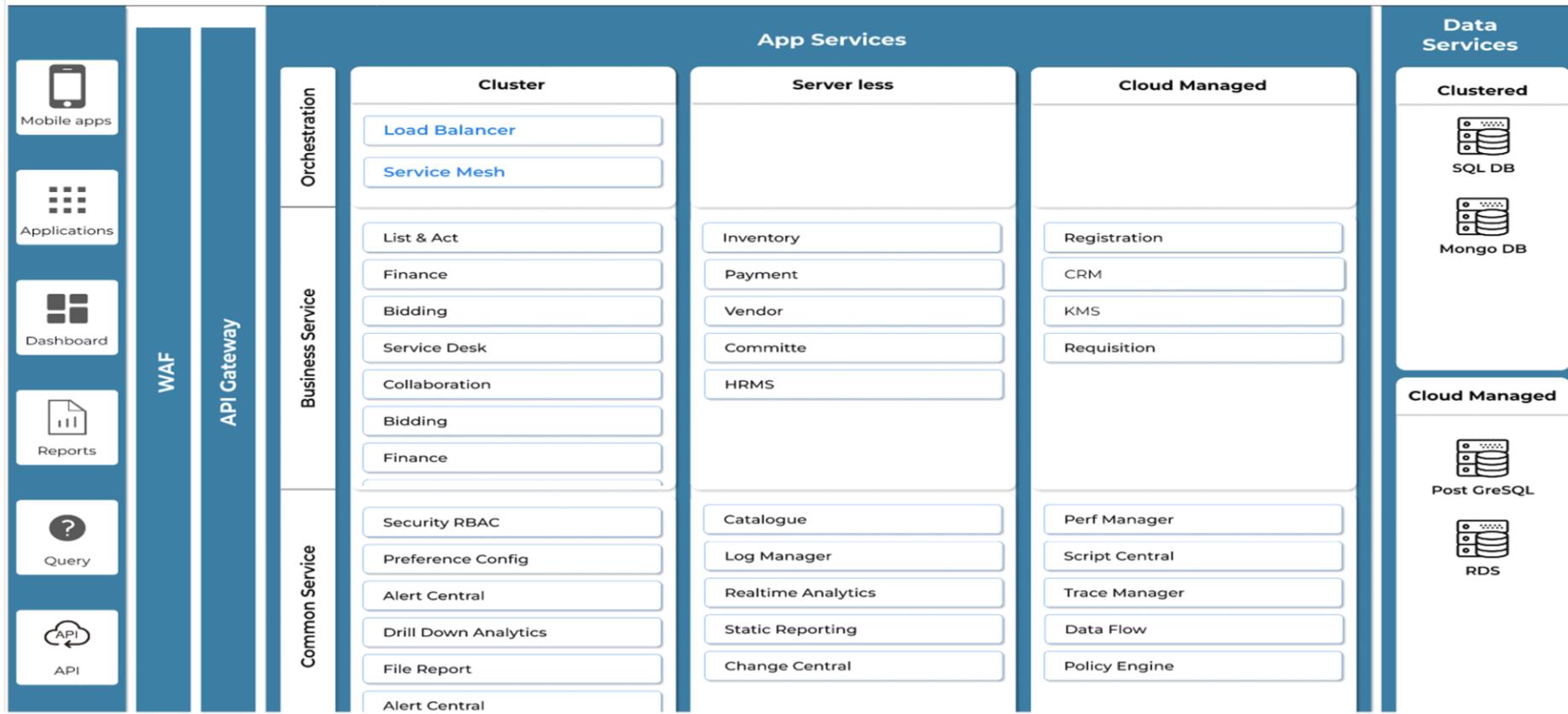
RECAP

A Typical Enterprise Microservices Product

Frontend

- Mobile
- Applications
- Dashboards
- Reports
- Queres

Firewall

API Gateway

App Services

Management Services

Service Orchestration
- Service Mesh
- Monitoring & Scaling

Business Services

Business Blocks

Admission	Attendance	Canteen	Collaboration
CRM	Exam	Finance	HRMS
Library	List & Act	Transport	LMS

Common Services

App Blocks

Alert Central	Catalogue	Change Central	Data Flow
Drill Down Analytics	Log Manager	Perf Manager	Policy Engine
Preference Config	Realtime Analytics	Script Central	Search
Security RBAC	Static Reporting	Trace Manager	Workflow Engine
File Repo			

Data Services

- ELASTIC SERACH
- RDBMS
- CACHEDB
- NOSQL
- METRICDB
- LOGDB

Production	Test	Stage	Development

Topology view

Search

App Services

Data Services

	Cluster	Server less	Cloud Managed
Orchestration	Load Balancer		
	Service Mesh		

Clustered

SQL DB

Mongo DB

Business Service	List & Act	Inventory	Registration
	Finance	Payment	CRM
	Bidding	Vendor	KMS
	Service Desk	Committe	Requisition
	Collaboration	HRMS	
	Bidding		
	Finance		

Cloud Managed

Post GreSQL

RDS

Common Service	Security RBAC	Catalogue	Perf Manager
	Preference Config	Log Manager	Script Central
	Alert Central	Realtime Analytics	Trace Manager
	Drill Down Analytics	Static Reporting	Data Flow
	File Report	Change Central	Policy Engine
	Alert Central		

WAF

API Gateway

Mobile apps

Applications

Dashboard

Reports

Query

API

Topology view

Search

List & Act

Total Cost : $80   Quality Score : 80%
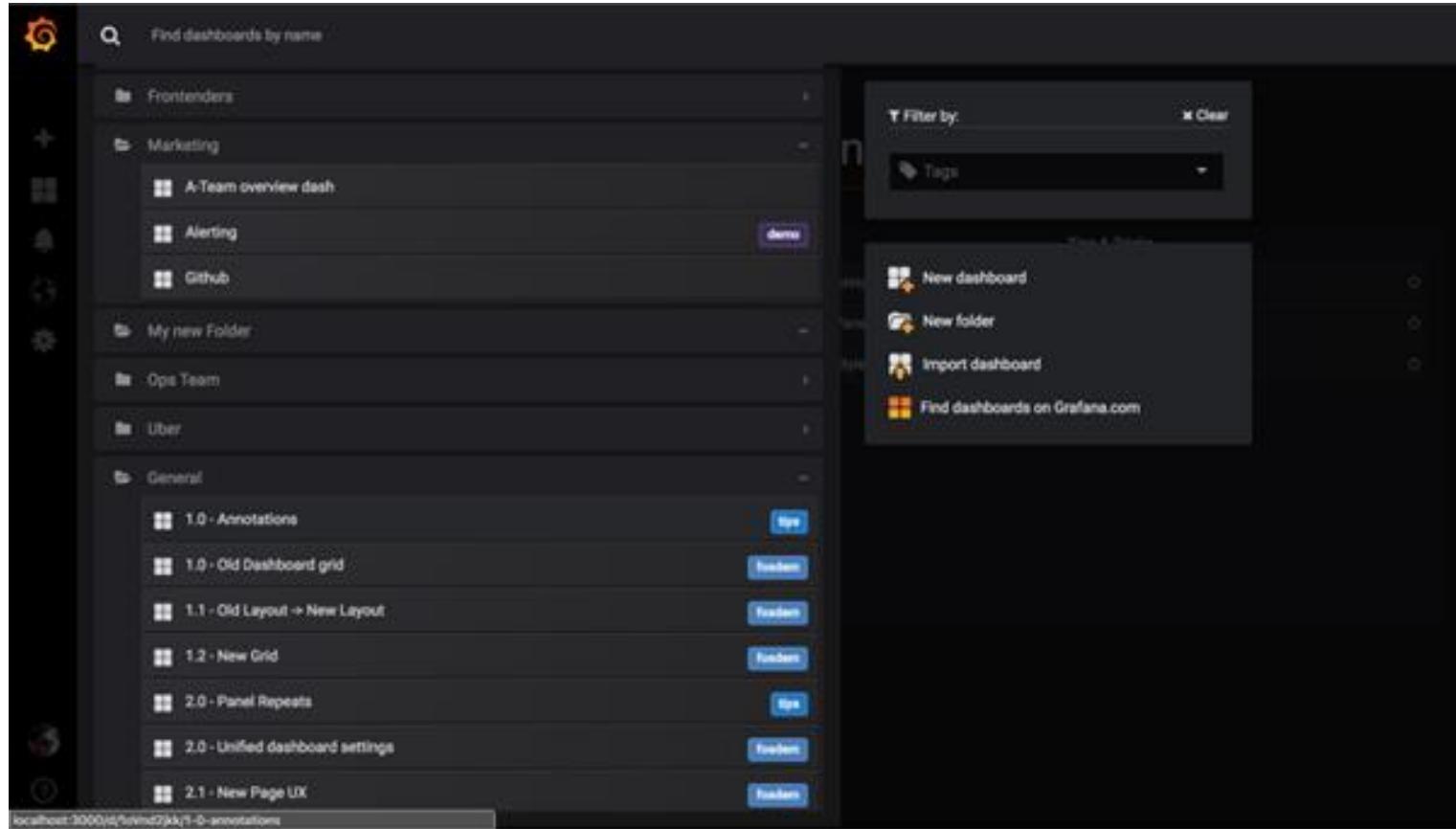
Performance:	97%	Availability:	77%	Reliability:	39%
Security:	42%	End Usage:	59%		

Service Type	Services	Service Type	Location
App Services	App Service 1	Common Service	Kubernetes Cluster
	App Service 2	Common Service	Kubernetes Cluster
	App Service 3	Business Service	Cloud Managed Services
	App Service 4	Business Service	Cloud Managed Services
Data Services	Data Service 1	Business Service	Cloud Managed Services
	Data Service 2	Common Service	Lambda
	Data Service 3	Common Service	Lambda

Data Services

Clustered

SQL DB

Mongo DB

Cloud Managed

Post GreSQL

RDS

Mo...

App...

Da...

Query

API

Preference Config

Log Manager

Script Central

Alert Central
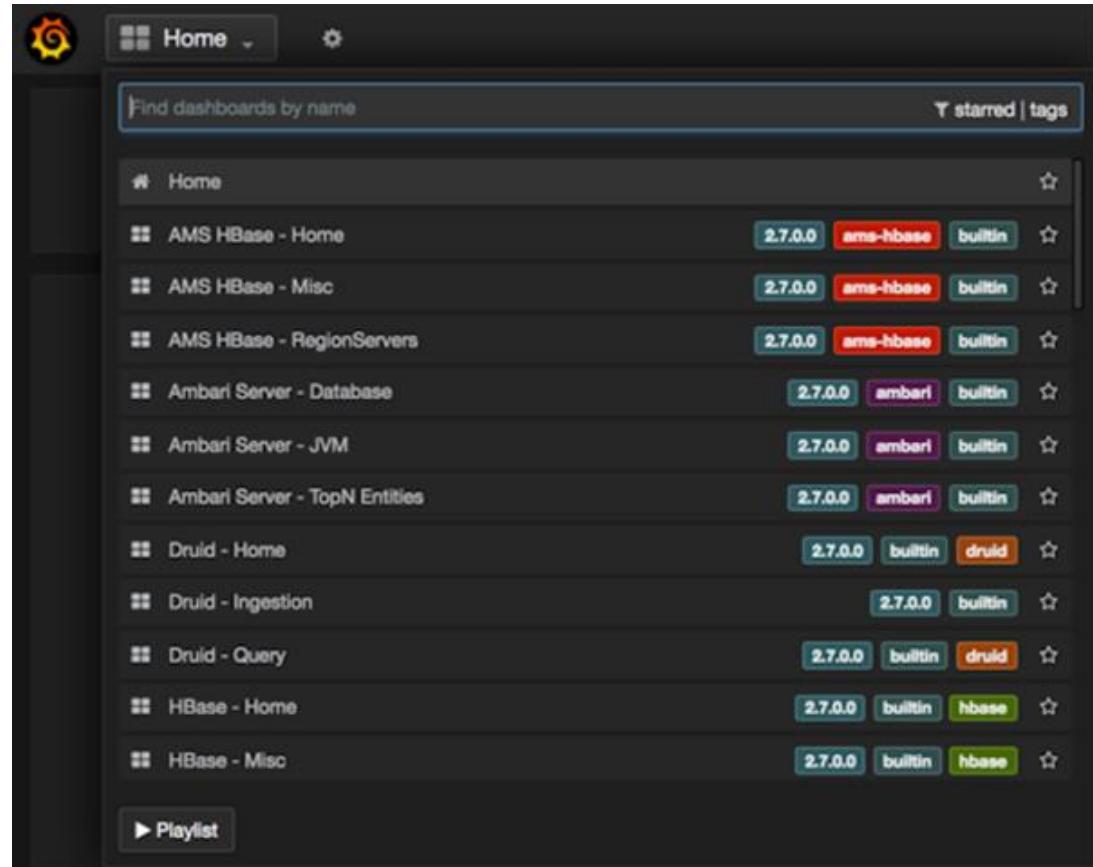
Each Env has 50+ App services, 25+ Data Services – Clustered / Cloud Managed App services (K8 + Lambda)

A Vanilla Grafana

Challenges

1. Need a purpose-built solution to address microservice architecture
2. Lack structure
DEPT-> PRDUCTS->ENVS-> SERVICES

Effort Analysis for Operation Setup – vanilla grafana

Provisioning Data (Metrics / Log / Trace) Collection Framework for each Services	2 Weeks
Design and Implement Perf / Availability / Reliability / Security / End Usage Dashboards for Services	8 Weeks
Design and Implement SLA alerts and integrate them with alert management platform	1 Week
Integrate Alert Management and Services Desk Platform	1 Week

Our Solution

- Delivered logical structure on top of Grafana – induced org structure

- Delivered a separate catalogue of Performance / Availability / Reliability / Security / end Usage

- 1 Click enablement

- It can be used as a Grafana plugin or independent setup.

- Extension Unlimited

Effort Analysis for Operation Setup

Provisioning Data (Metrics / Log / Trace) Collection Framework for each Services	2 Weeks
Tests and verification	2 Weeks

Final ROI

Typical Grafana Way	12 Weeks
Automated Operation Setup	4 Weeks