End Users

Front End

Service Layer

Business Layer

BACK END

Data Layer

End Users

Front End

BACK END

Service 1

Service 3

Service 2

Data Layer

APP

RDBMS

NoSQL

File Storage

Customer KYC :
store1023/00001

CustomerID:
00001

Card Transactions → 1-25

Card Transactions → 26-50

Card Transactions → 51-75

Card Transactions → 76-100

Transaction # 100

Service A

Smart Endpoint

DUMP PIPES

Service B

Spring Framework → Spring Boot

- Lesser Code
- Better Dependencies Management
- Auto-Config

Results in

Service 1

Config

Service 2

Config

Service 3

Config

Ext DB

Ext Resource

Service 4

Config

Service 5

Config

Service 6

Config

Config Store
LOCAL FILE PATH
or
GIT REPO

Discovery Server
"Eureka"

Service 1

Service 2

Service 3

Service 4

Service 5

Service 6

Config

Config

Config

Config

Config

Config Server

REQUEST THE CONFIG

Config Store

<service-name>/application.properties

service-1/application.properties

service-3/application.properties

service-2/application.properties

Application

App Dependencies

Containers

Private IP

Lang RUNTIME

OS LIbs

External Session
Store

Total Size ~100MB

Instance 1

Instance 2

Container Image

100 MB

Instance 3

RW Layer

RW Layer

RW Layer

APP → APP → APP

APP DATA

APP (APP DATA) → APP (APP DATA) → APP (APP DATA)

Actor

Container Repository
demo-1

Images
:v1
:v2
:v3

Container Repository
demo-2

Images
:v1
:v2
:v3

Container Registry

registry.oracle.com

Fully Qualified Name:

regustry.oracle.com/demo-1:v1