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Design, Build and Manage Microservice APIs with Oracle's Apiary Solutions

CON1561

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OPEN
WORLD

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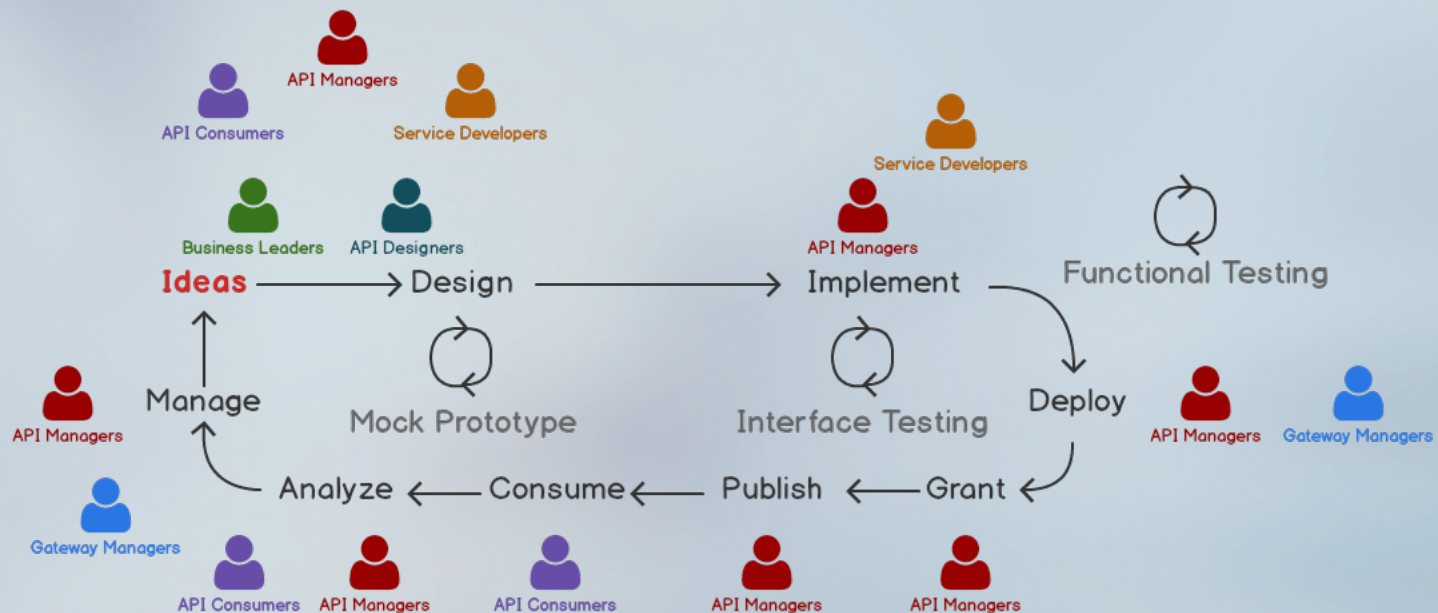
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Program Agenda

- 1 Introduction
- 2 Demo
- 3 Q&A

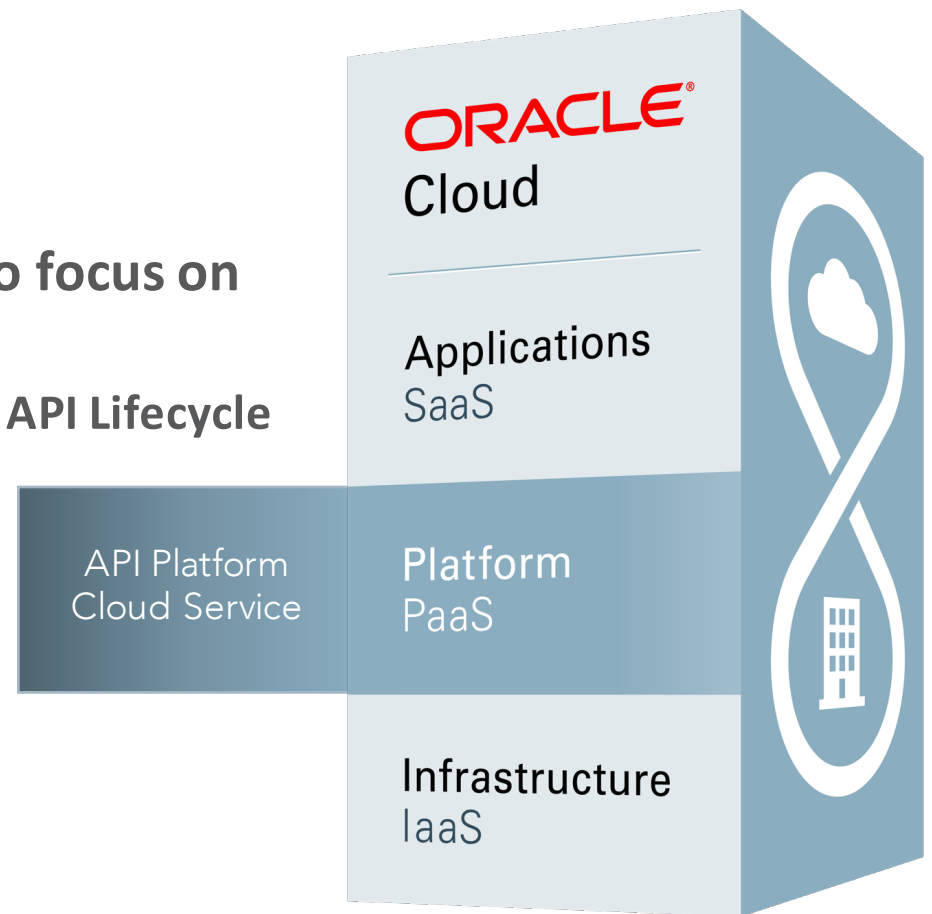
Where are you on the API Lifecycle?

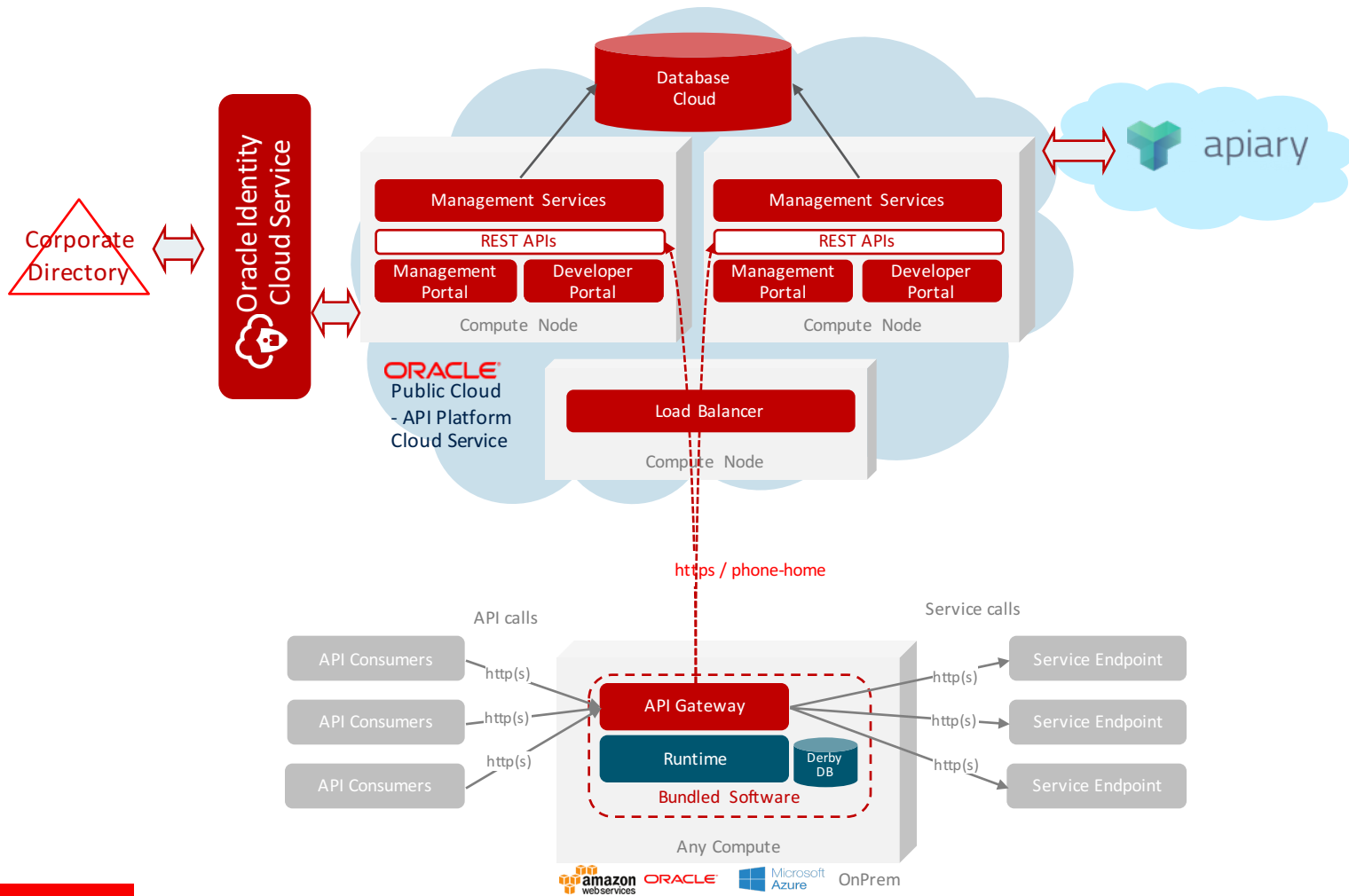


Building Great APIs

Complete Lifecycle

- For teams who build APIs and want to focus on delivering great products
 - Only solution that supports the complete API Lifecycle
 - Allows developers, architects and business to work together
 - Superior to traditional API Management tools that take too much effort to stitch together and maintain





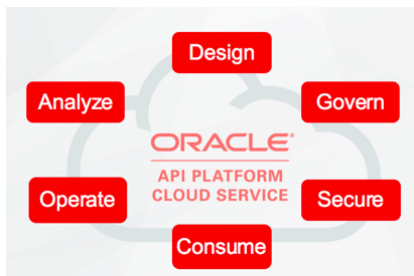
Competitive Differentiators

Native Hybrid Gateway Deployment



First Hybrid Native API Management platform across all clouds and on-premises with deployment management from a cloud service

Full API Lifecycle Management



End to end lifecycle for managing APIs: Design, Implementation, Deployment, Testing, Publication, Subscription, Monitoring, and Analysis

Governance



Wide ranging, productivity boosting governance, with Apiary Styleguides, approvals workflows, grants, policy management and analytics.

Pricing



Value driven pricing, does not punish preparing for traffic spikes, high availability, or disaster recovery. Consistent and predictable pricing independent of GW deployment.

General Availability

- Design
- Mock Testing
- Interface Testing
- Styleguide
- Management Portal
- Developer Portal
- 20 Most Valuable Policies
- Gateway Deployable Anywhere

17.2.1



May
2017

June

July

August

September

Today

Coming Soon

Future

- Service Management
- Service Account on Routing Policies
- Normalized REST endpoints
- Saved Searches
- Filter Criteria on Analytics Endpoints
- UI Enhancements
- Bug Fixes

17.3.3



17.3.3-88



SSL Certificate Management

- 2-Way SSL
- Deeper Integration with API Fortress
- Notifications and Webhooks
- Microservice Gateway
- Gateway As a Service
- Deeper Log Analytics
- Teams
- Object History Management

- JWK Support
- API Cloning
- Policy Enhancements
- Patching/Upgrade

17.2.5



17.3.1



- UI Enhancements
- Additional Language Support: Chinese, French, German, Italian, Japanese, Korean, Portuguese and Spanish
- Enhanced Logging
- Service Accounts
- RedHat Linux and Windows added for Gateway Certification

REST to SOAP Native OAuth Service

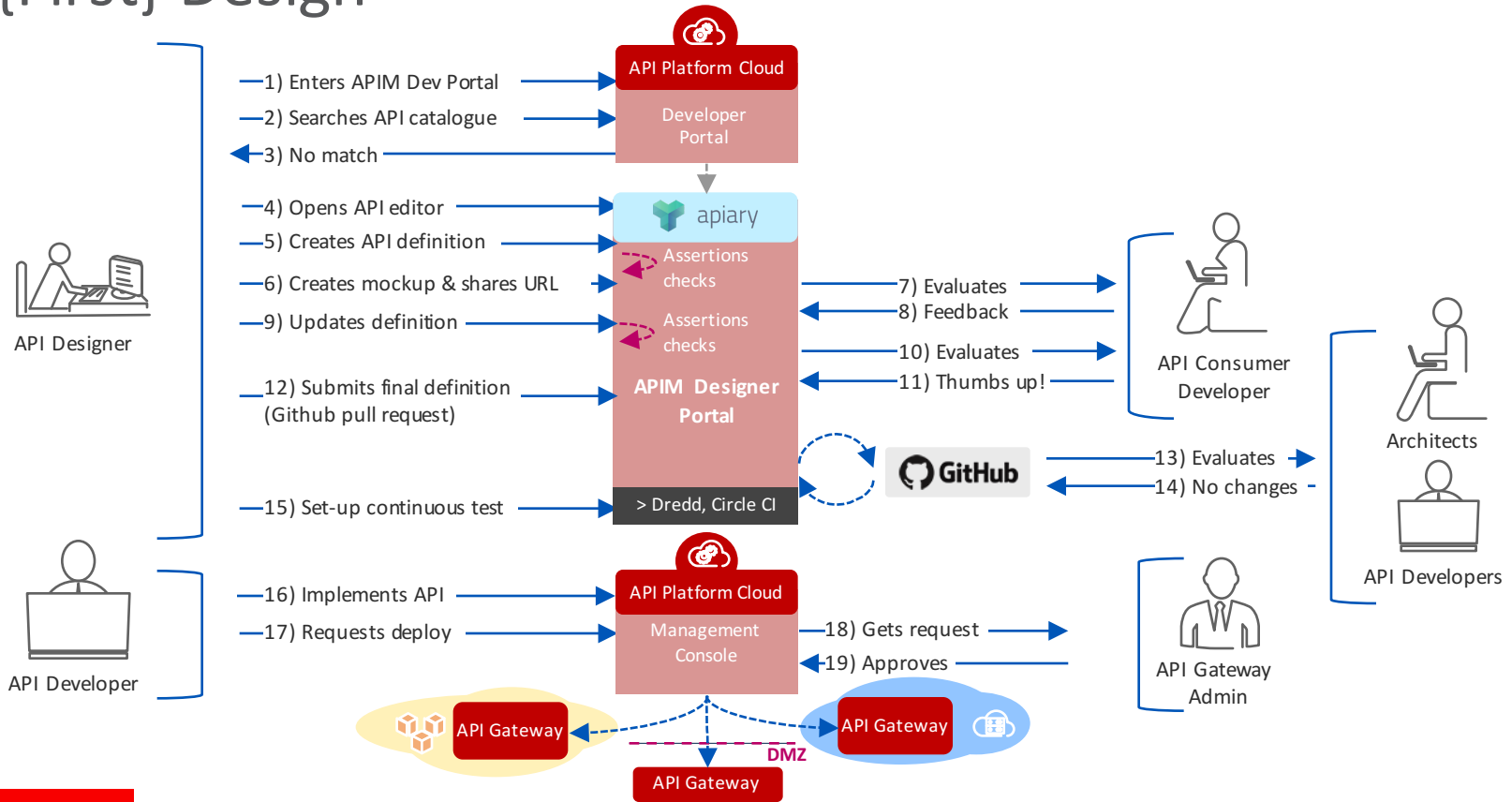
- API Plans
- Publishing from Integration Cloud Service
- Payload Validation/ Manipulation
- Javascript Search/Pagination

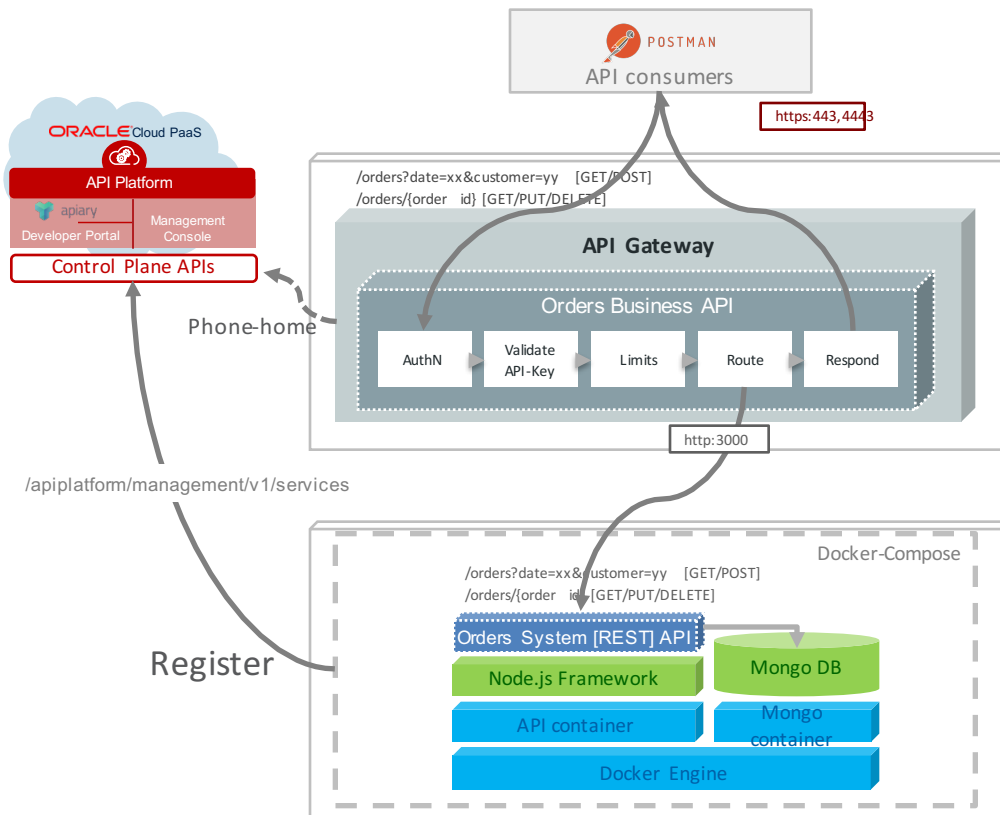
- API Ideation
- Consumption SDK
- Partner Management
- SEQ, Filtering, Tagging, SSO Integration
- Additional Policies
- Extended Error Management
- Machine Learning for Anomaly Detection

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API {First} Design





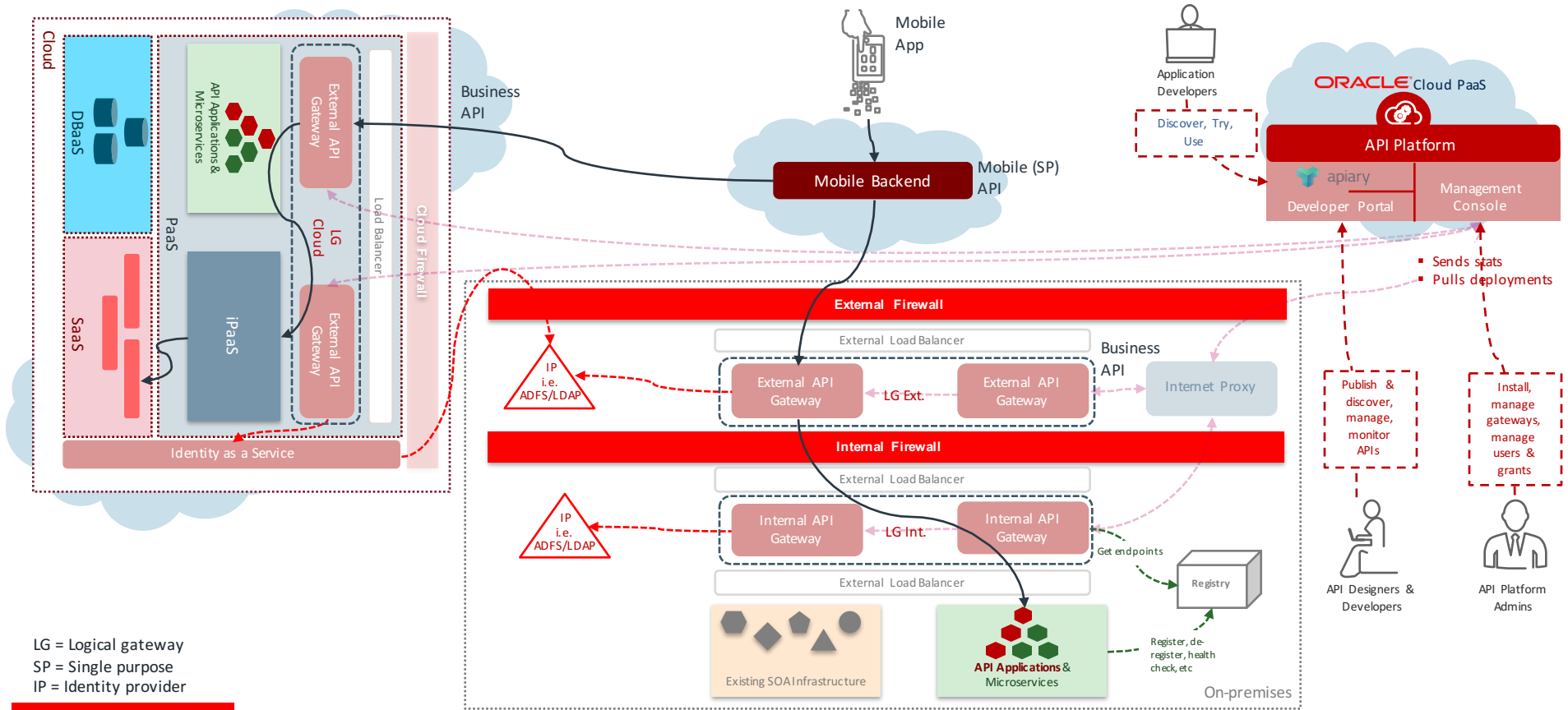
Download from:
<https://github.com/luisw19/node>

Or create docker-compose.yml:

```
version: '2'
services:
  order_api:
    #Uncomment if you wish to build from source code
    #build: ./orders_api
    image: luisw19/orders_api_v2
    depends_on:
      - mongo_db
    ports:
      - "3000:3000"
    command: npm start
    links:
      - mongo_db

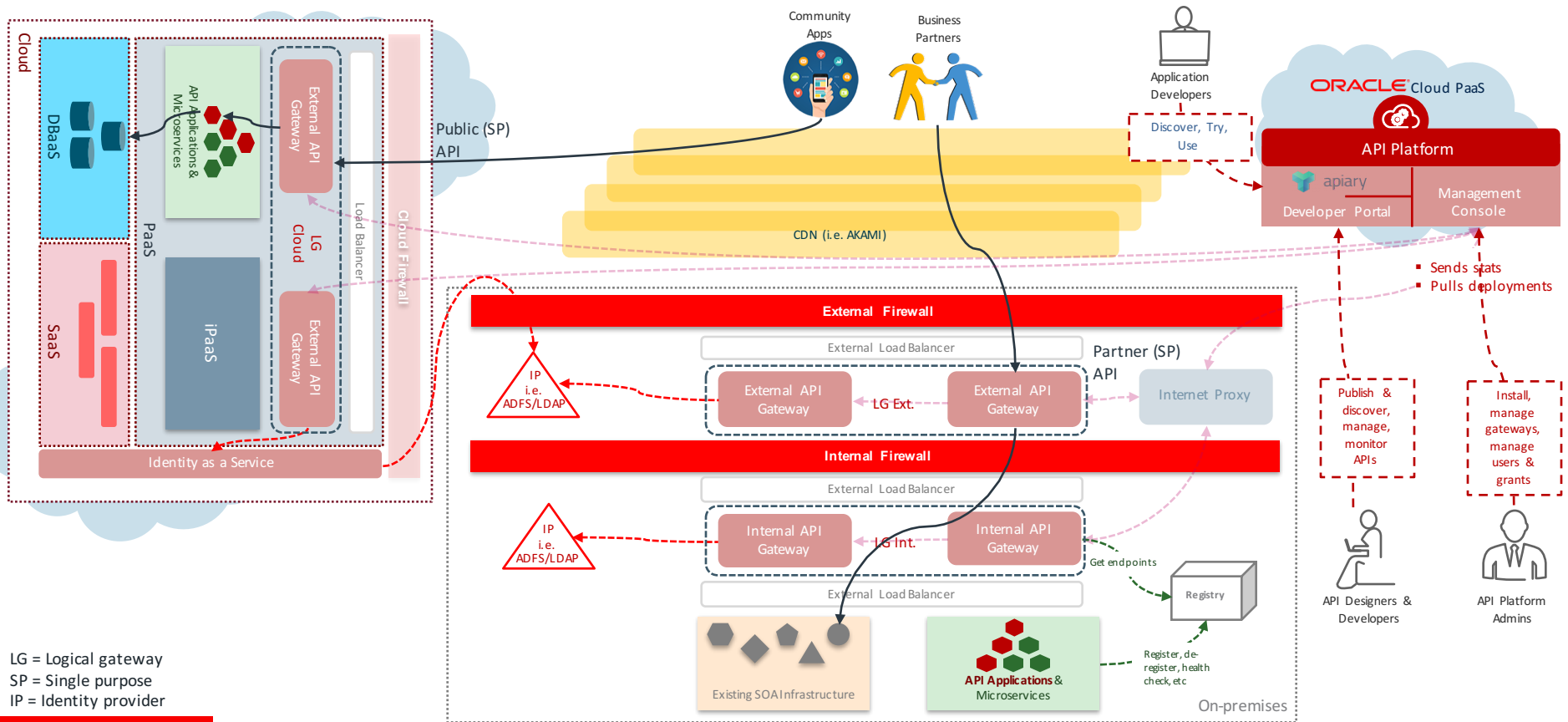
  mongo_db:
    image: mongo:3.2.9
```

Oracle APIPCS Implementation Architecture



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Oracle APIPCS Implementation Architecture



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Oracle Integration

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Oracle SOA



Oracle Data Integration



@OracleDI



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Oracle Data Integration

Oracle Cloud Platform



Develop & Deploy



Integrate & Extend



Publish & Engage



Analyze & Predict



Secure & Manage

Innovate with a
**Comprehensive, Open,
Integrated and Hybrid**
Cloud Platform
that is
**Highly Scalable, Secure
and Globally Available**

Oracle Cloud Platform

Comprehensive

Open

Integrated

Hybrid



Data Management



Application Development



Enterprise Integration



Data Integration



Analytics and Big Data



Content & Experience



Identity & Security



Systems Management

Oracle
Public Cloud



Oracle
Data
Center

Built on High Performant Oracle Cloud Infrastructure

Oracle Cloud
at Customer



Your
Data
Center

Oracle Cloud Platform Momentum

14,000+

Oracle
Cloud Platform
Customers



3,000+

Apps in the
Oracle Cloud
Marketplace



\$1.4 Billion

FY17 Oracle Cloud
Platform
Revenue
(60% YoY Growth)



10 PaaS

Categories where
Oracle is a **Leader**
According to
Industry
Analysts

