

## Managing, Testing and Publishing your APIs with **IBM API Management**

Miracle's IoT Workshop | Miracle Innovation Labs



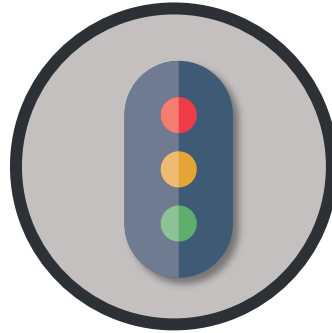
## Managing the API Economy

50 Billion Connected Devices that  
can compute and communicate!

# Challenges with an **API Economy**



**User Access and  
Authentication**



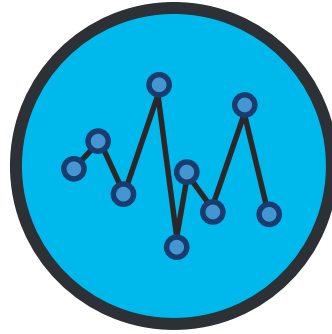
**Traffic Control  
and Throttling**



**Marketing and  
Monetizing**



**Versioning and  
Compatibility**



**Usage Analytics  
and Insights**



**Scalability and  
Availability**

# API Management - Saves the Day!!

Control your API Economy to ensure **innovation-of-a-startup**  
but **governance-of-a-enterprise**

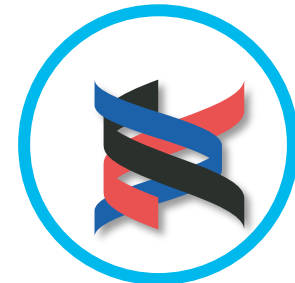
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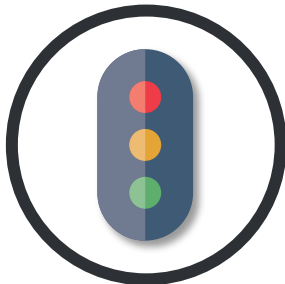
Security  
Policies



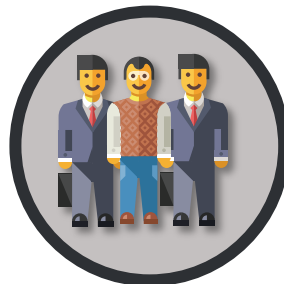
Publish  
the API



Transform  
Your Data



Traffic  
Control

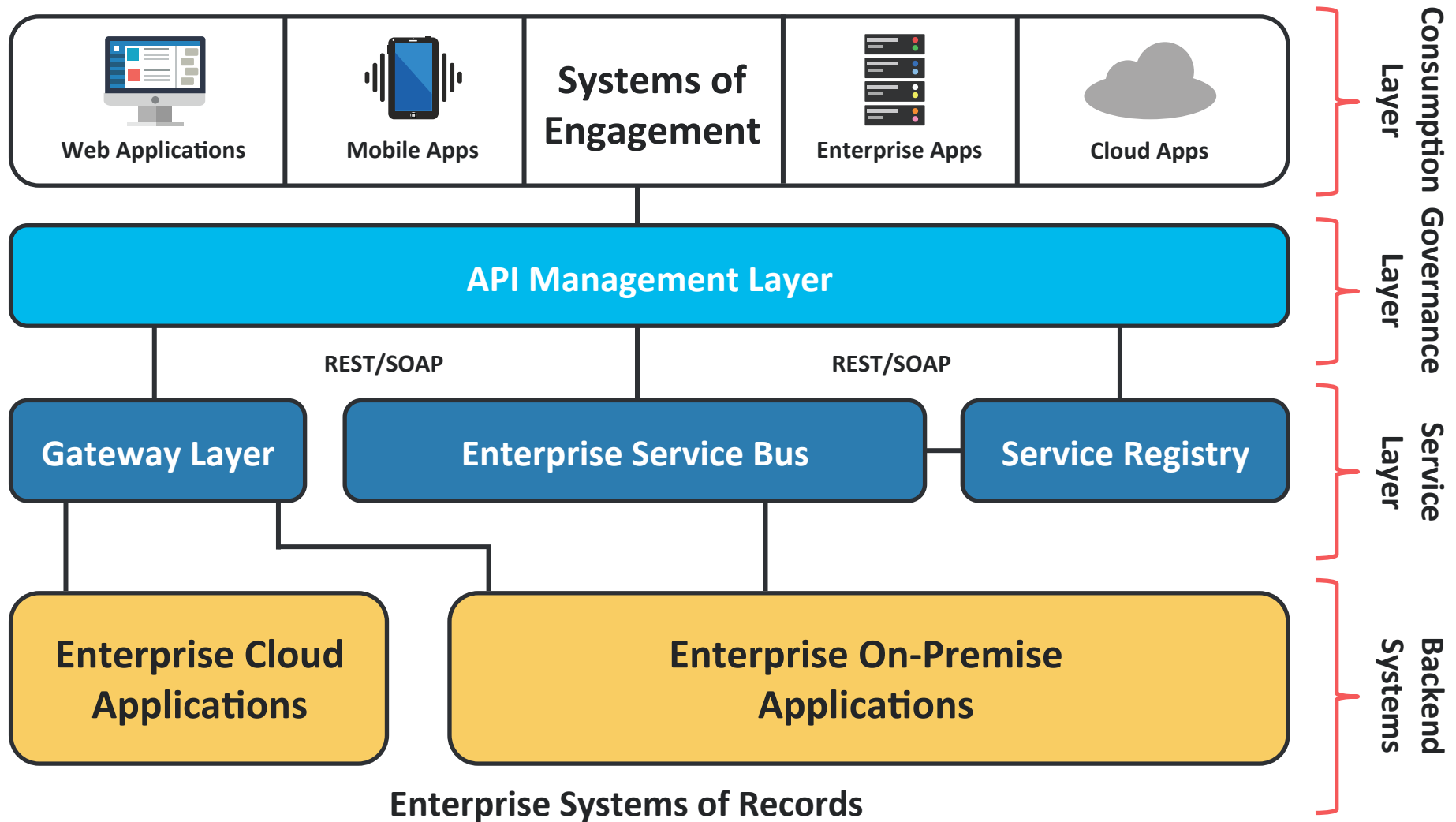


Access  
Control



Visualize  
the API

# API Layers for an Enterprise Backend



## Exploring **IBM** API Management

Features and Use Cases

# IBM **API** Management

- Expose **Business Services securely** as APIs to select developer communities and analyze API Usage
- Provide **Self-Service API Portals** to internal/external app developers
- **Manage** and **Monitor** the entire API Platform and Deployment



Off-Prem(SaaS)



On-Prem Private

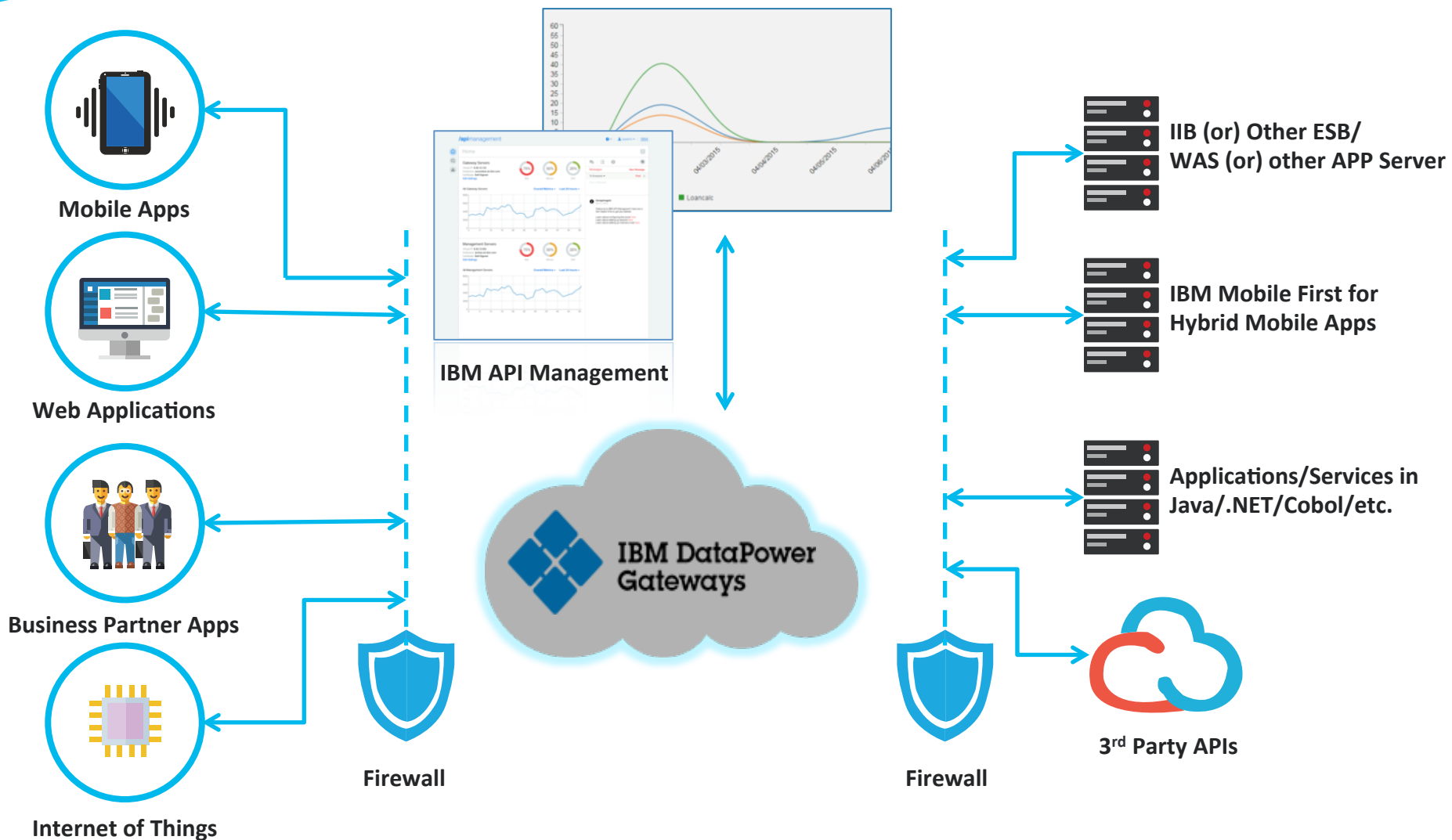


Off-Prem(Dedicated)



Hybrid

# Runtime View





## Lets **publish** our REST API!

Follow Us and Let us know if you  
need help 😊



# #1 | Manage your API

- Login (or) Sign Up at <https://apim.ibmcloud.com>
- **Create a new REST Proxy**
  - Compose a new REST API
  - Add a GET Operation - /v1/getpi
  - Add a Proxy with the StrongLoop APO
- Publish the API Operation within a new Plan
- Go back to the API and Test the Operation
- Expose the API to Developers using the Portal

## Question and Answers Time!!

We're more than happy to help out

# Reach Out! @Innovation

Give us a call @ **248-412-0425** (or) email us at [innovation@miraclesoft.com](mailto:innovation@miraclesoft.com)



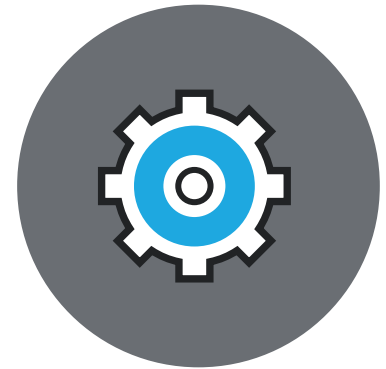
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and NextGen Tech



DevOps, IoT and  
Enterprise Cloud



Big Data and  
Analytics



API Economy  
and REST

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