WSO2 API Manager 2.0.0

Fundamentals
Module 01 - Introduction to API Manager

WSO2 Training

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Course Objectives

At the end of this course, attendees will:

- Understand the role of WSO2 API Manager in their organization
- Get introduced to the WSO2 API Manager features and architecture
- Understand how to create, advertise and manage your APIs end-to-end using WSO2 API Manager
- Collect and analyze runtime statistics using WSO2 Data Analytics Server
- Understand the security aspects of the WSO2 API Manager
- Understand how to work with monetization of APIs
- Understand how to use published APIs
- Learn the different options available for engaging with community
- Get a basic understanding of deployment patterns

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Course Outline

- Introduction to API Manager
- Working with APIs
- Managing the API Gateway
- Working with Statistics
- Working with Security
- API Monetization
- Published APIs
- Engaging with Community
- Introduction to Scalable Deployment Patterns and Façade Pattern

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Terminology and Background

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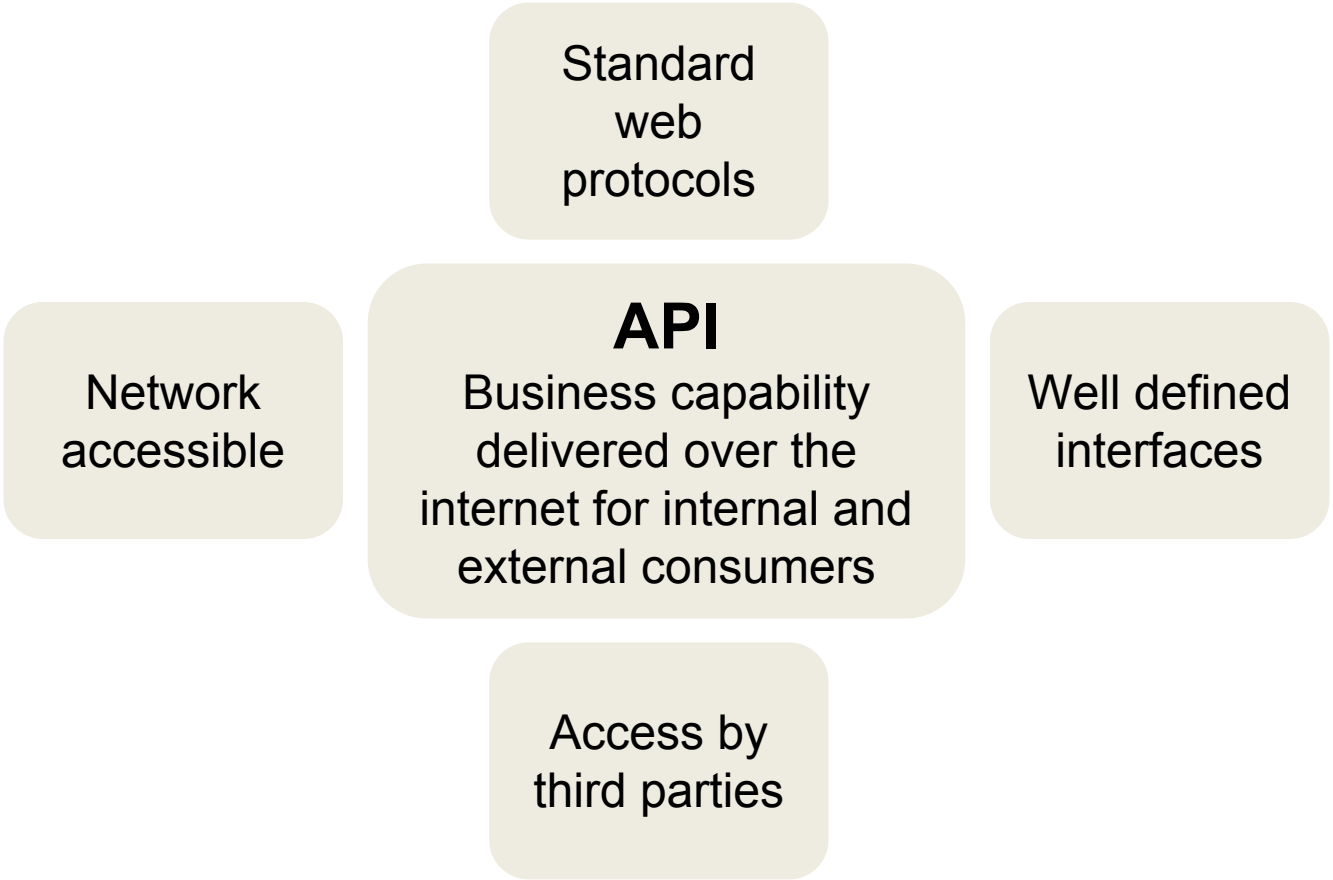
APIs


Standard web protocols
Network accessible
API
Business capability delivered over the internet for internal and external consumers
Well defined interfaces
Access by third parties

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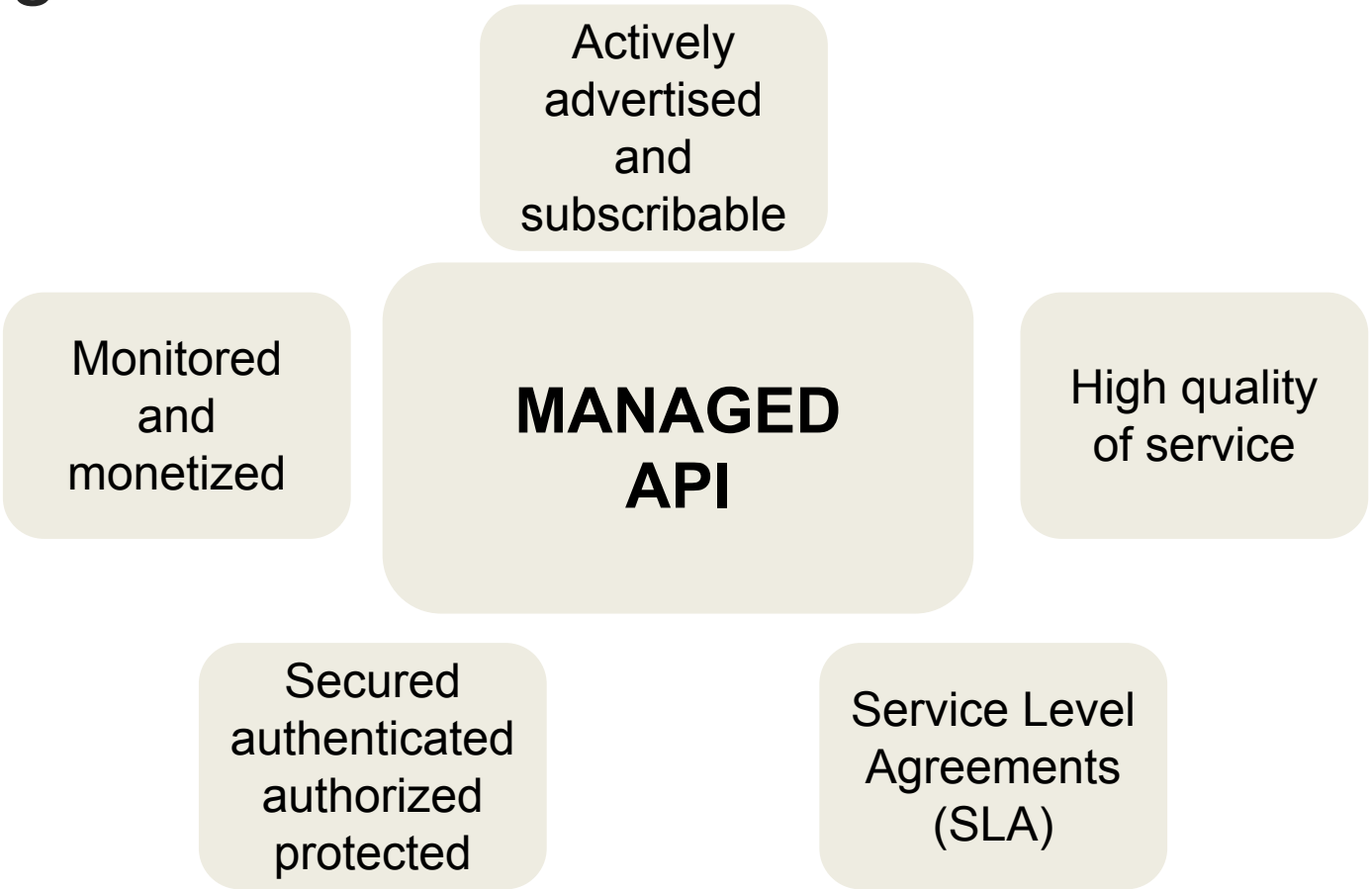
Managed APIs



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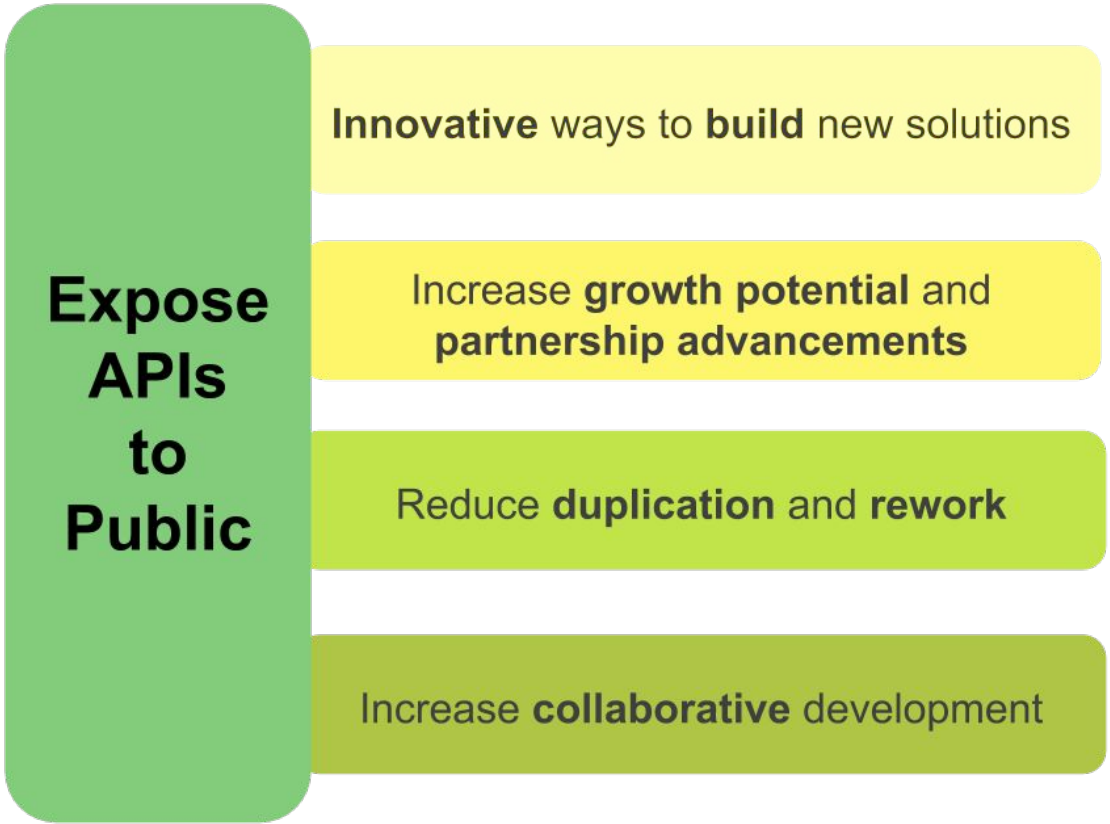
Why Expose Your APIs to the Public?



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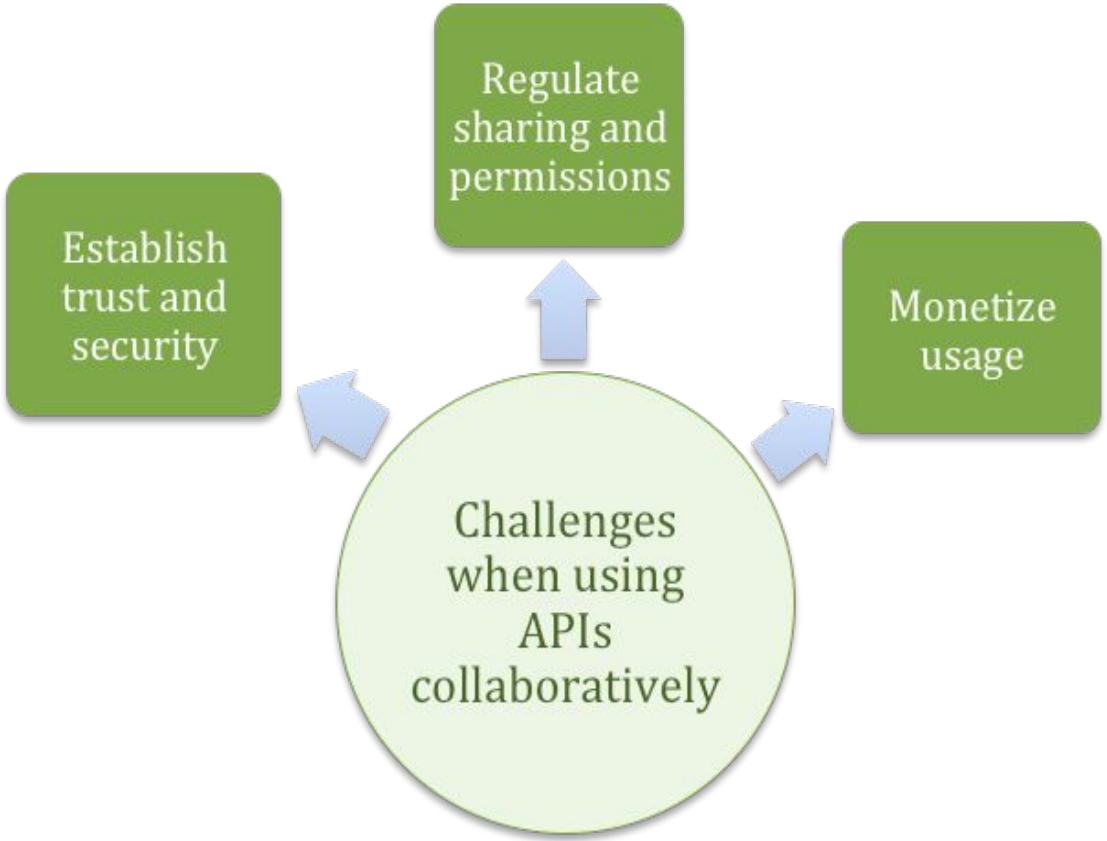
Why is API Management Important?



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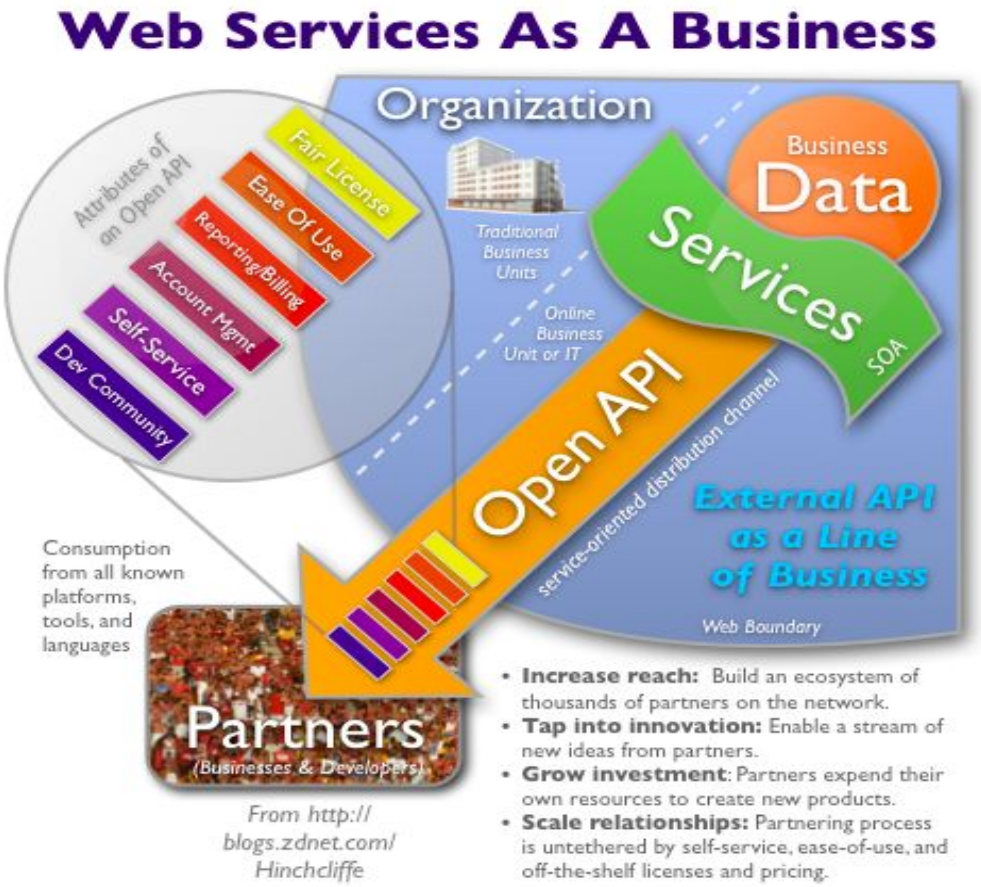
Business Model



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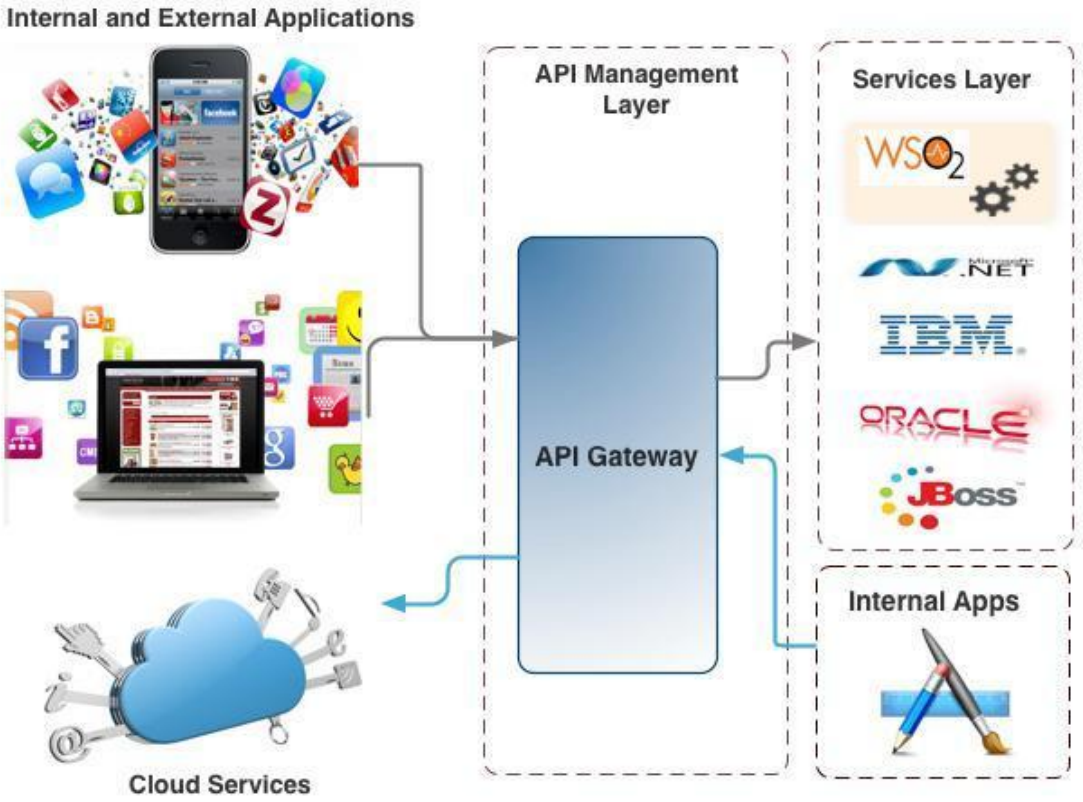
API Centric Capabilities



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Use Cases

https://developer.stubhub.com/store/

http://store.apicultur.com/

https://apistore.dialog.lk/store/

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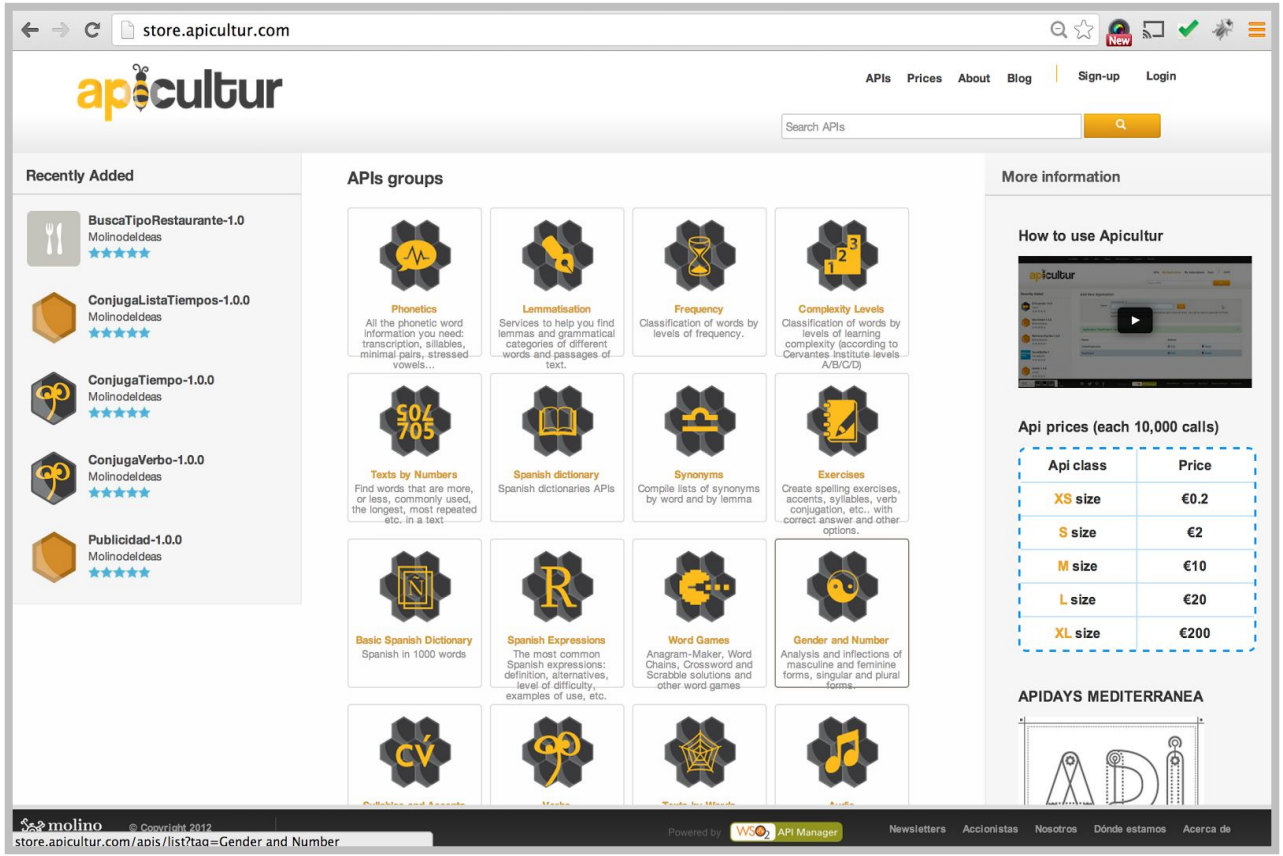
APICultur



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Introduction

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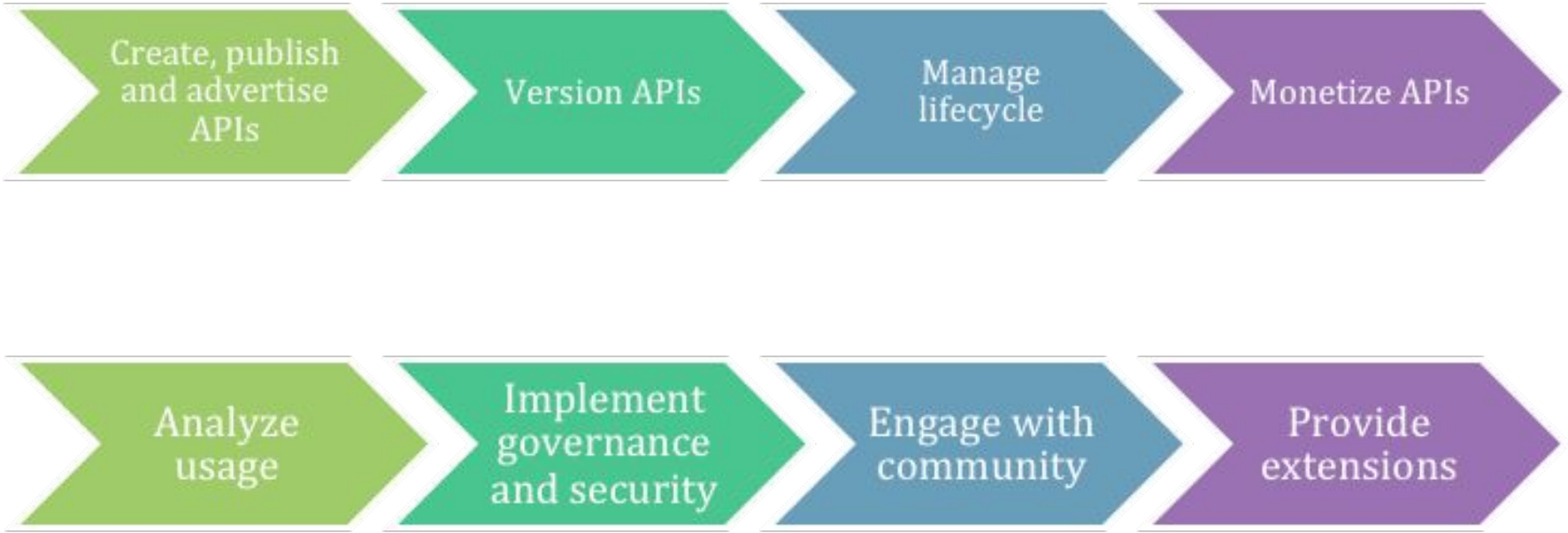
What is WSO2 API Manager?



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API Manager Features

- Design and Prototype APIs
- Publish and Govern API Use
- Control Access and Enforce Security
- Create a Store of All Available APIs
- Manage Developer Community

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API Manager Features

- Manage API Traffic
- Monitor and Monetize
- Design and Prototype APIs
- Pluggable, Extensible and Themable
- WSO2 Platform Multitenancy Support

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Architecture

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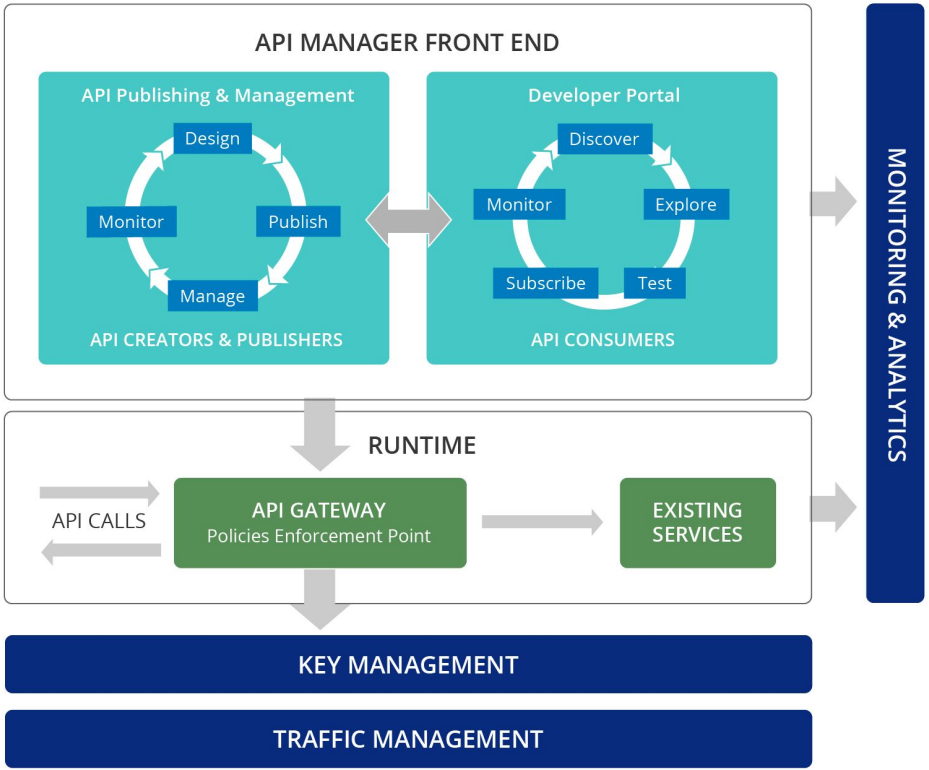
Components



https://docs.wso2.com/display/AM200/Key+Concepts

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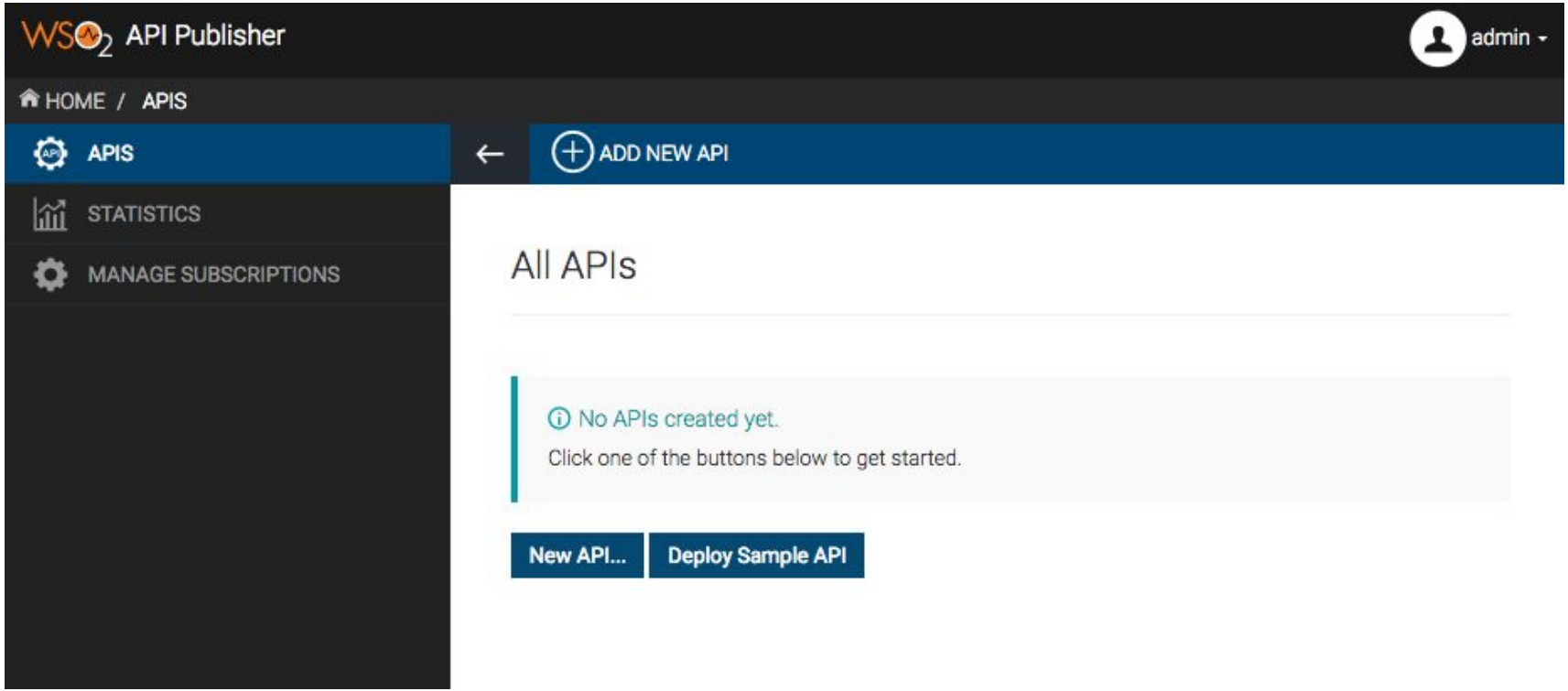
API Publisher



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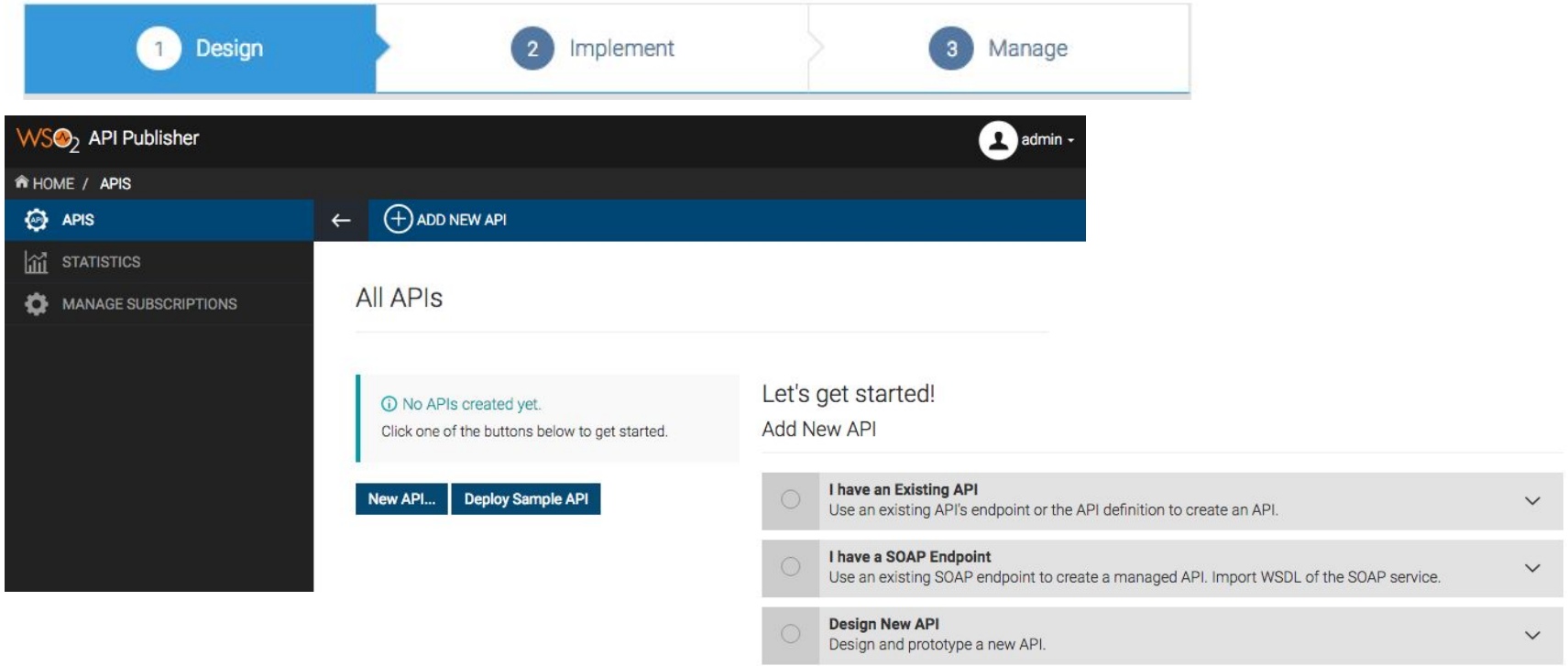
Usage of API Publisher



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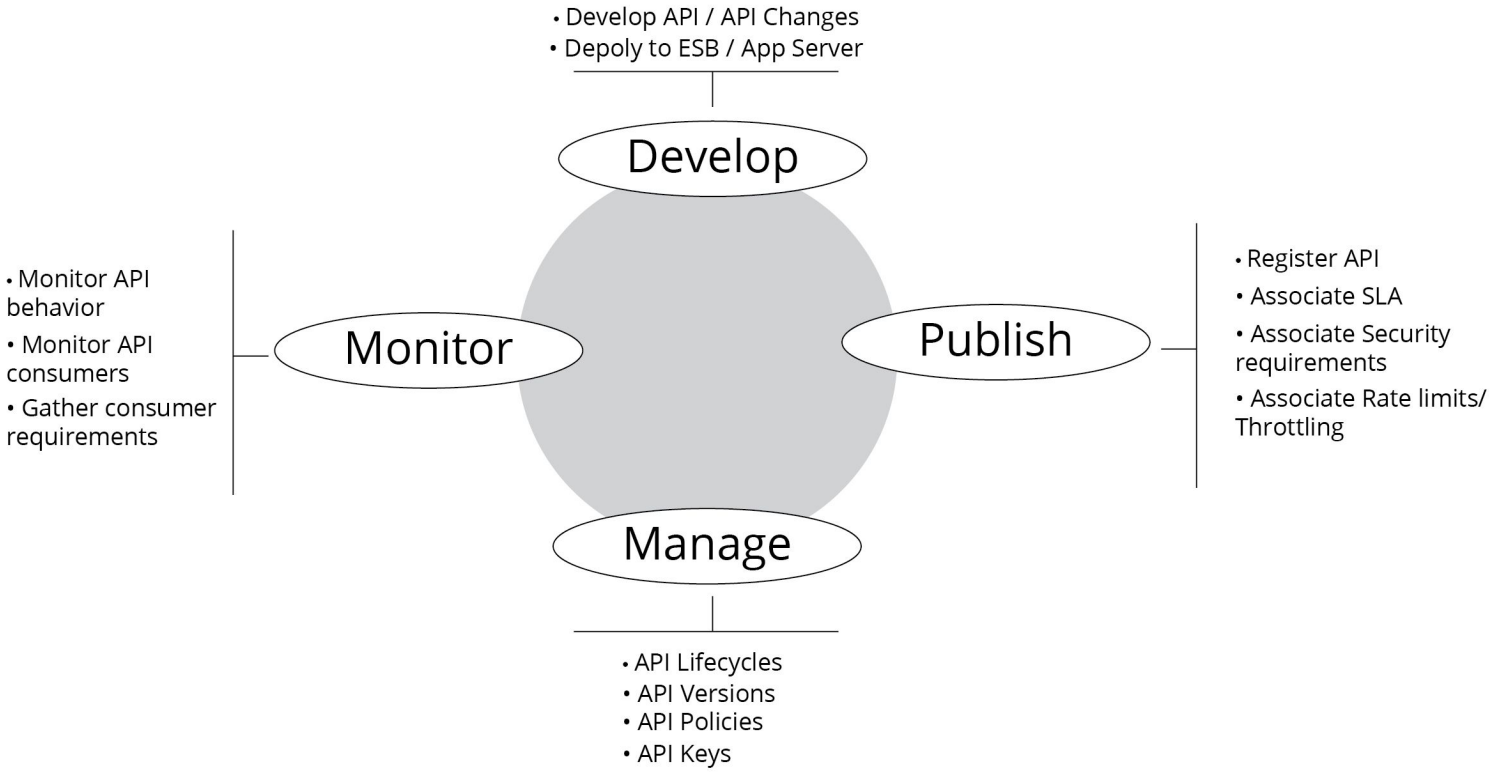
API Publisher



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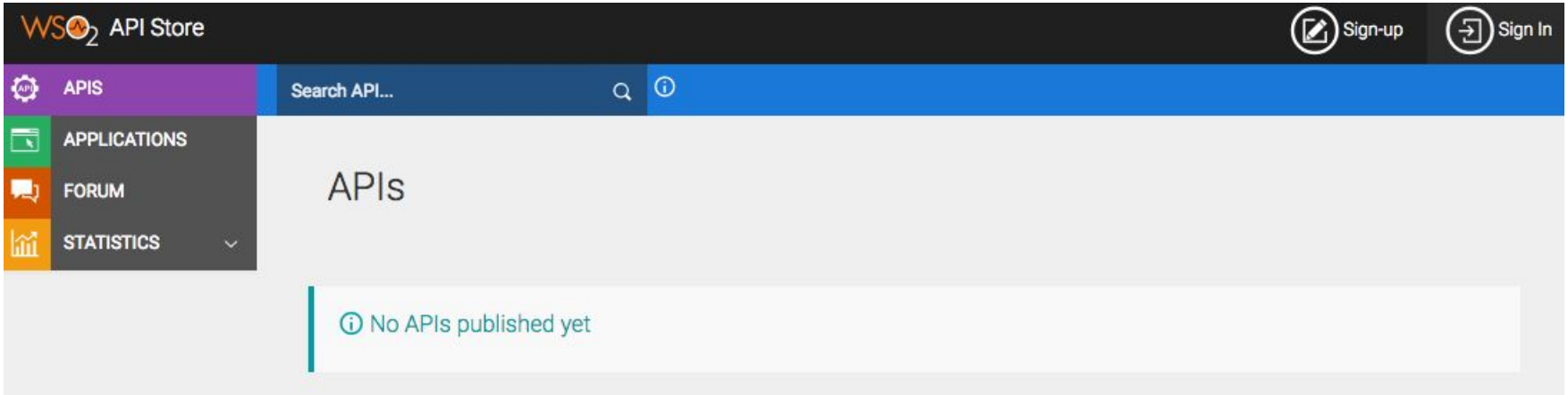
API Store



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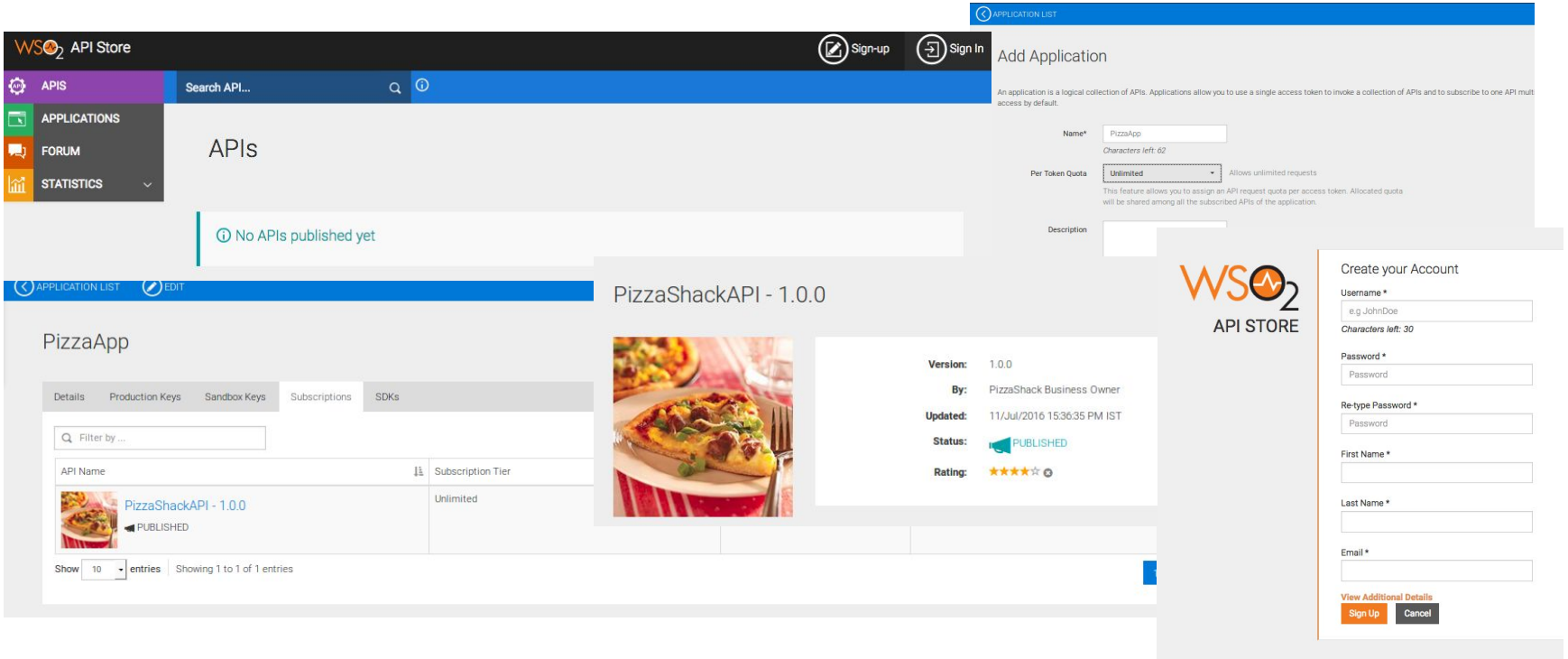
Usage of API Store



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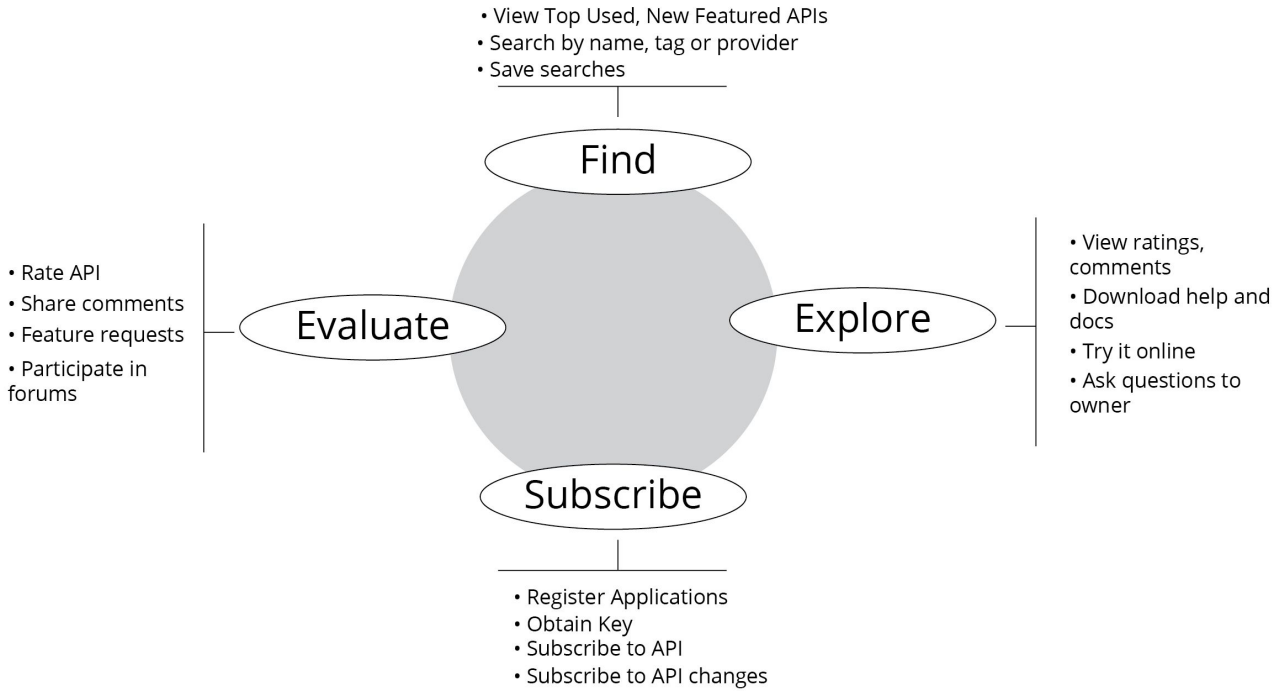
API Store



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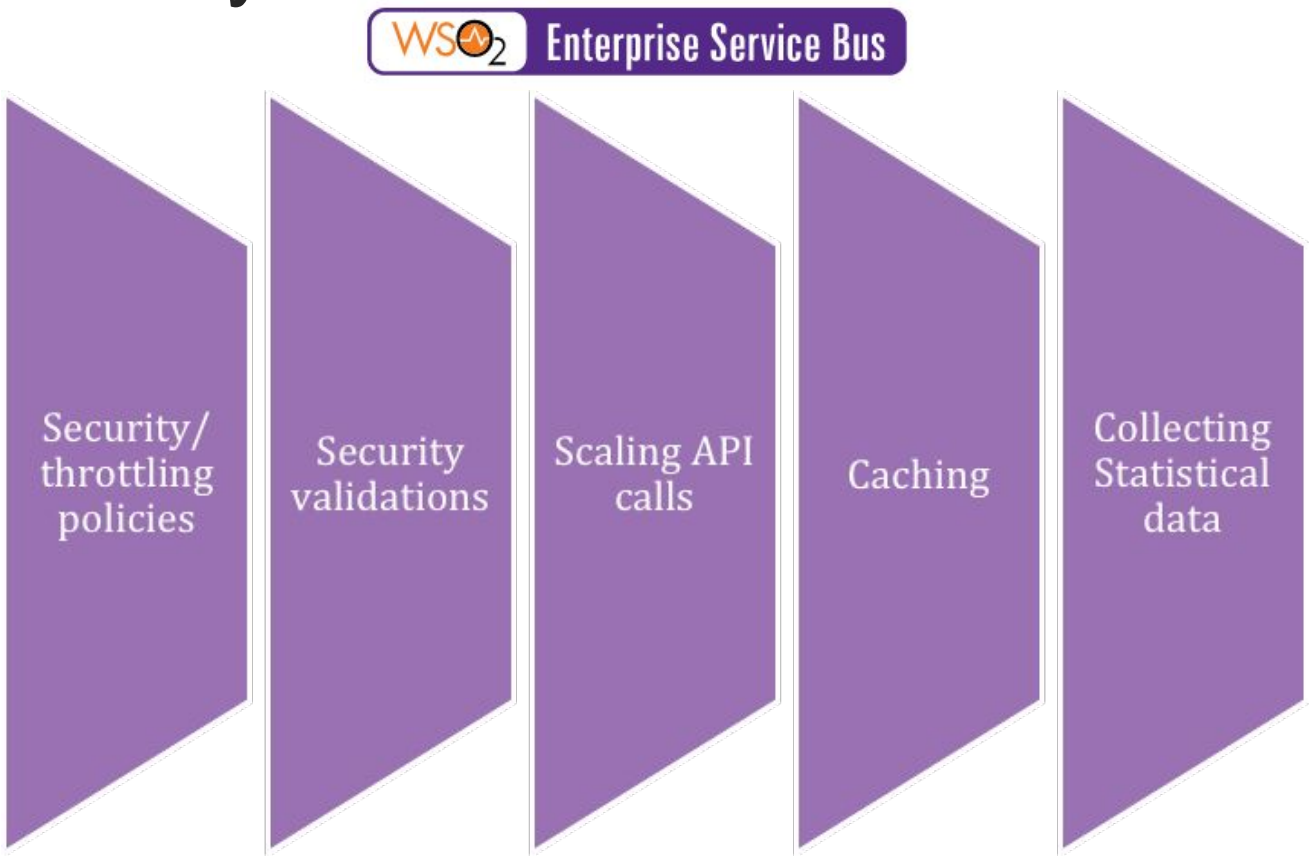
API Gateway



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Key Manager

Used by the **API Gateway** to handle **security** and **access tokens** (Internal or External Key Manager)

https://docs.wso2.com/display/AM200/Key+Concepts

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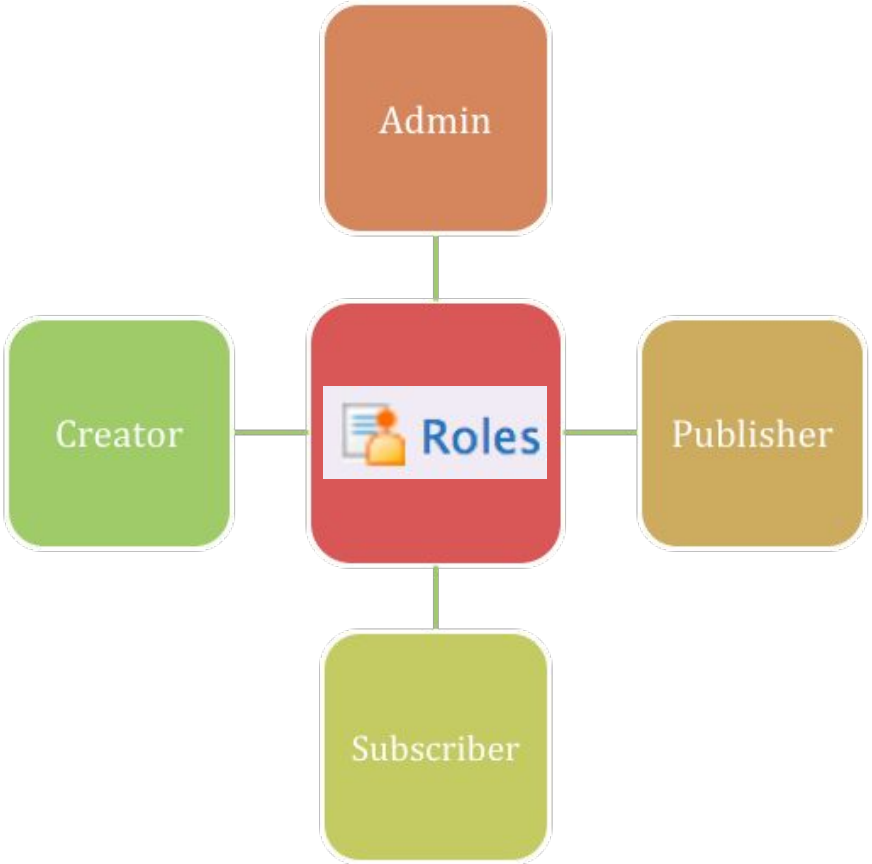
Common User Roles



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LAB

Getting Started with WSO2 API Manager

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Defining Users and Roles

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