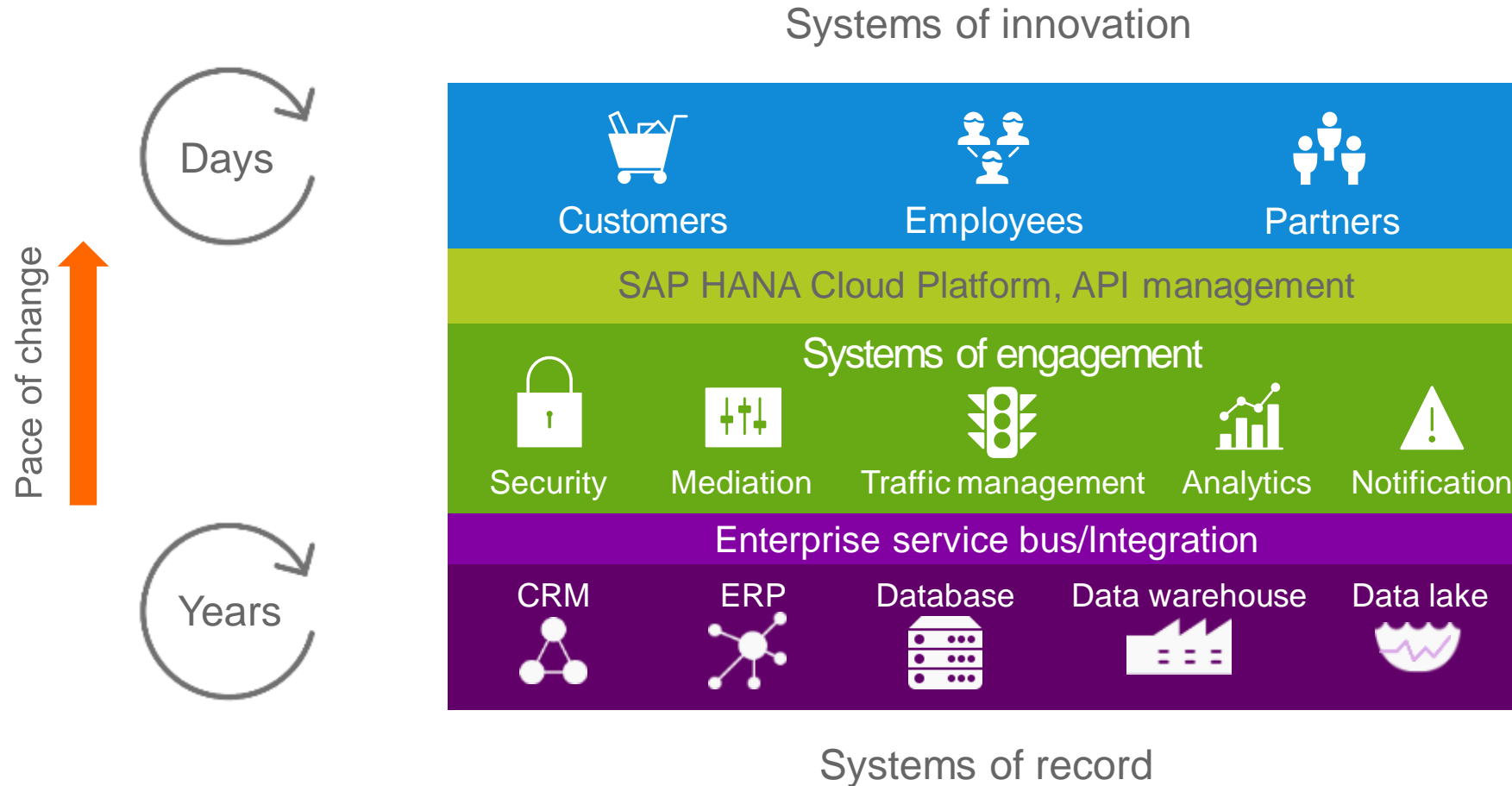


# Week 5 Unit 1: **API Management – Theory**

# API Management – Theory

Enterprises need a new stack



# API Management – Theory

## Understanding API management 1/2

**“SAP HCP, API management is like a bouncer protecting the club”**

- **The bouncer checks for a ticket!**  
API management uses API keys to protect the back-end system
- **The bouncer can do additional checks and ask for your ID**  
API management can leverage identity providers for authentication
- **The bouncer can also check you comply with the dress code**  
API management can verify the content of the incoming calls



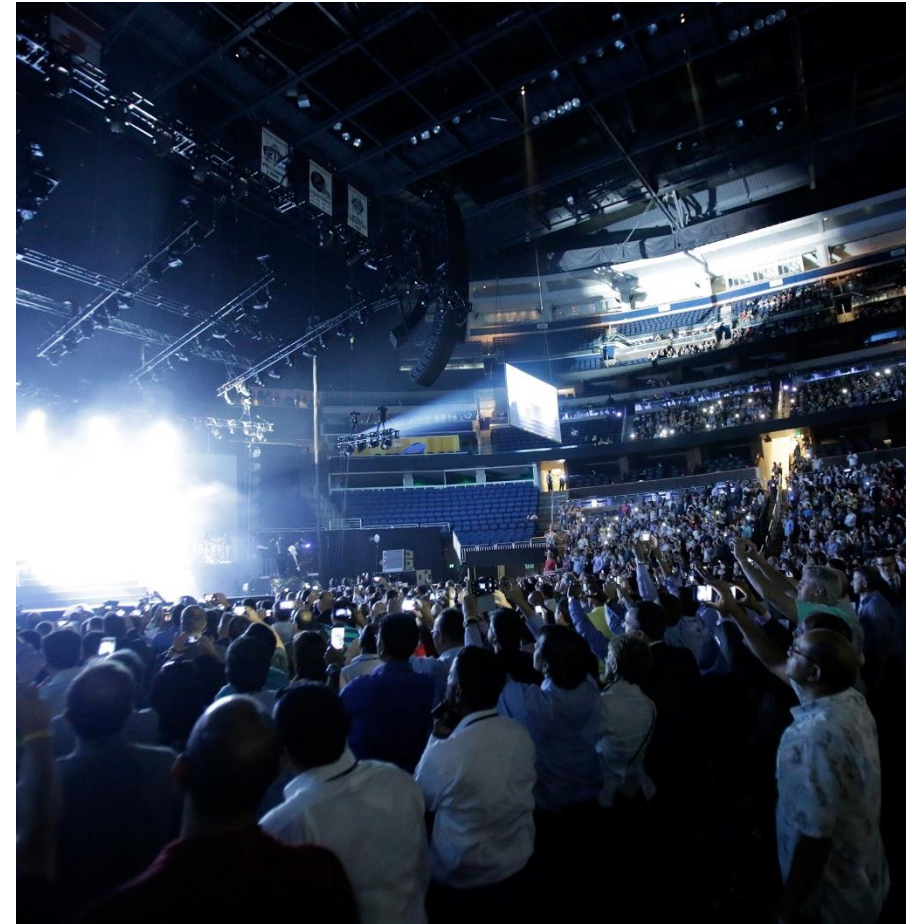


# API Management – Theory

## Understanding API management 2/2

**“SAP HCP, API management is like a bouncer protecting the club”**

- **The bouncer ensures that the club is not too crowded**  
API management can limit the amount of calls per month
- **The bouncer prevents too many people rushing into the club at once**  
API management can throttle and control the calls to your back-end system
- **The bouncer can analyze who is coming in**  
API management has advanced analytics capabilities for monitoring and analyzing calls



# API Management – Theory

## SAP HANA Cloud Platform, API Management

### API platform:

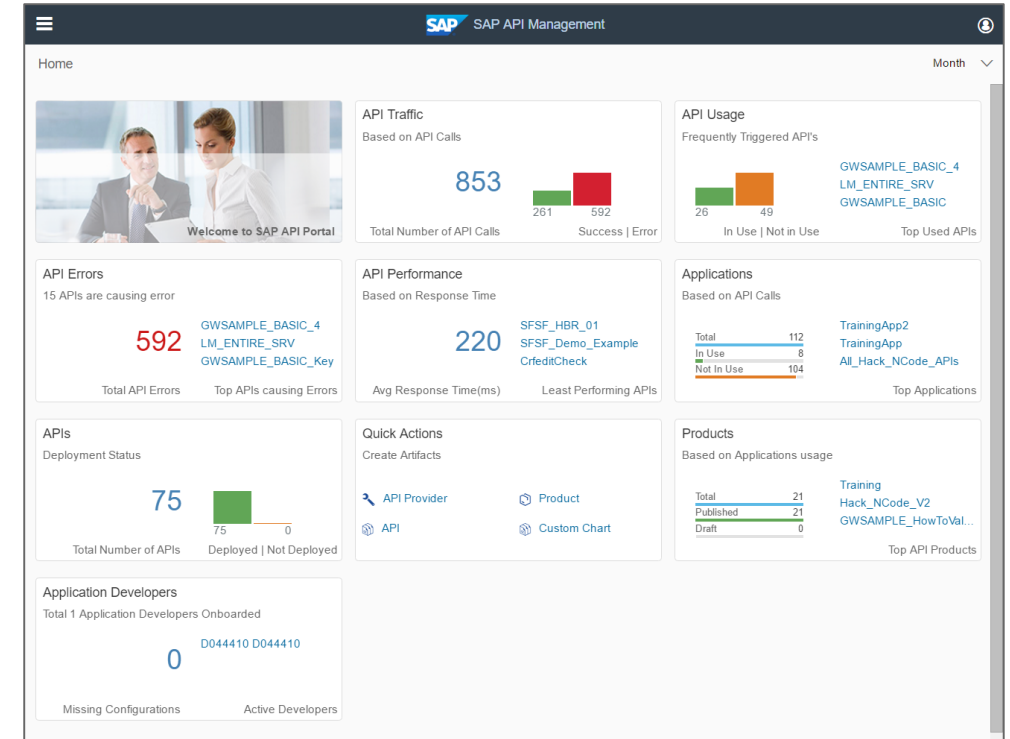
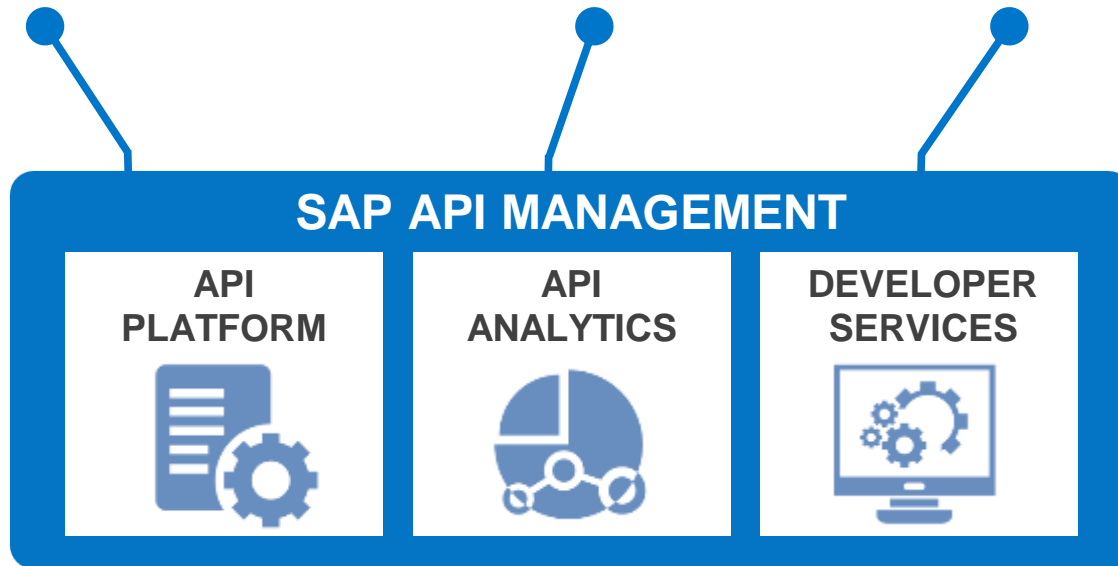
- Expose and manage APIs
- Create and consume APIs

### API analytics:

- Powerful analytical tools
- View short and long-term usage trends

### Developer services:

- Tools to manage app developers
- Ability to onboard developers

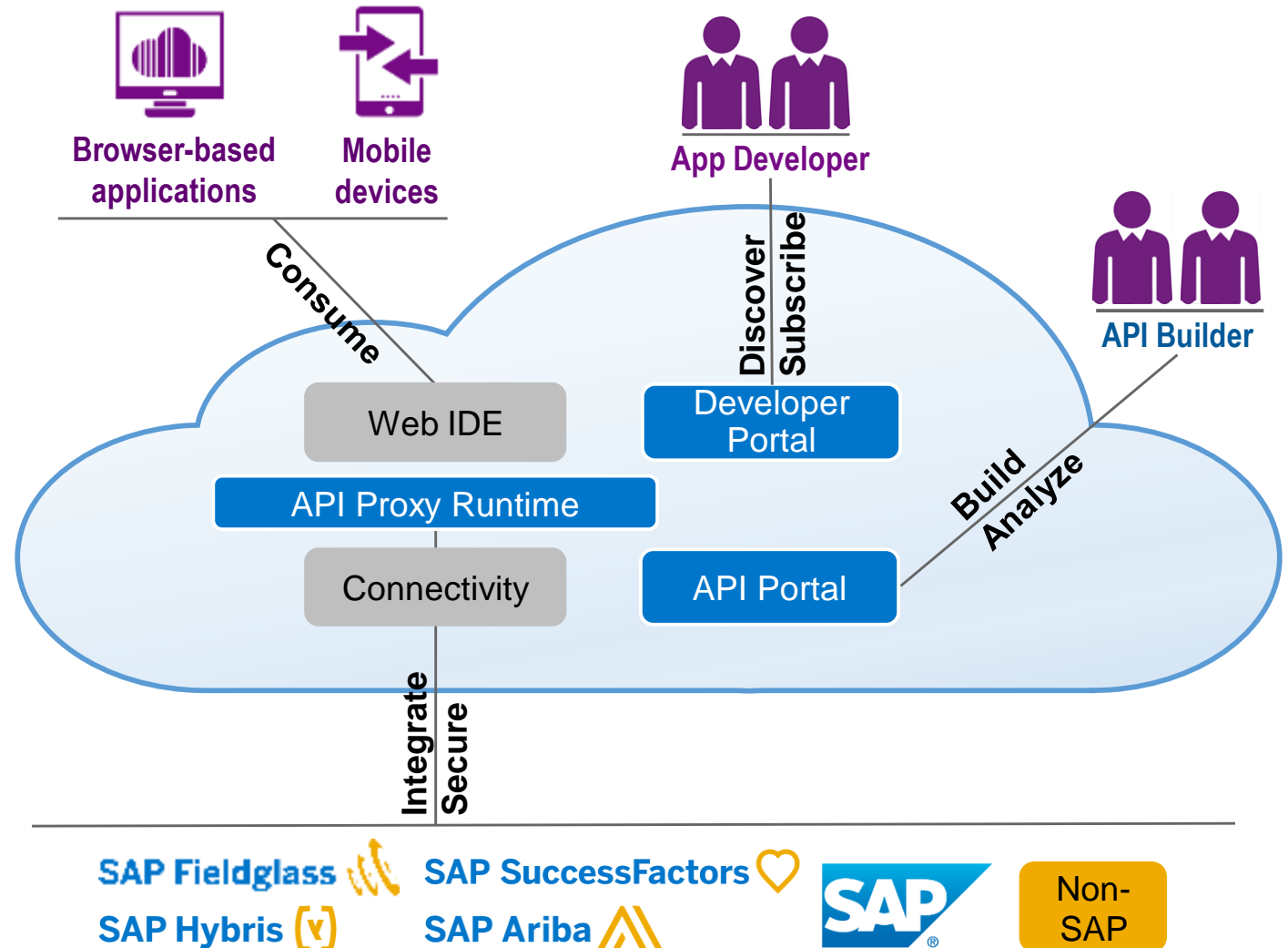


# API Management – Theory

## Deployment view

### Value Proposition

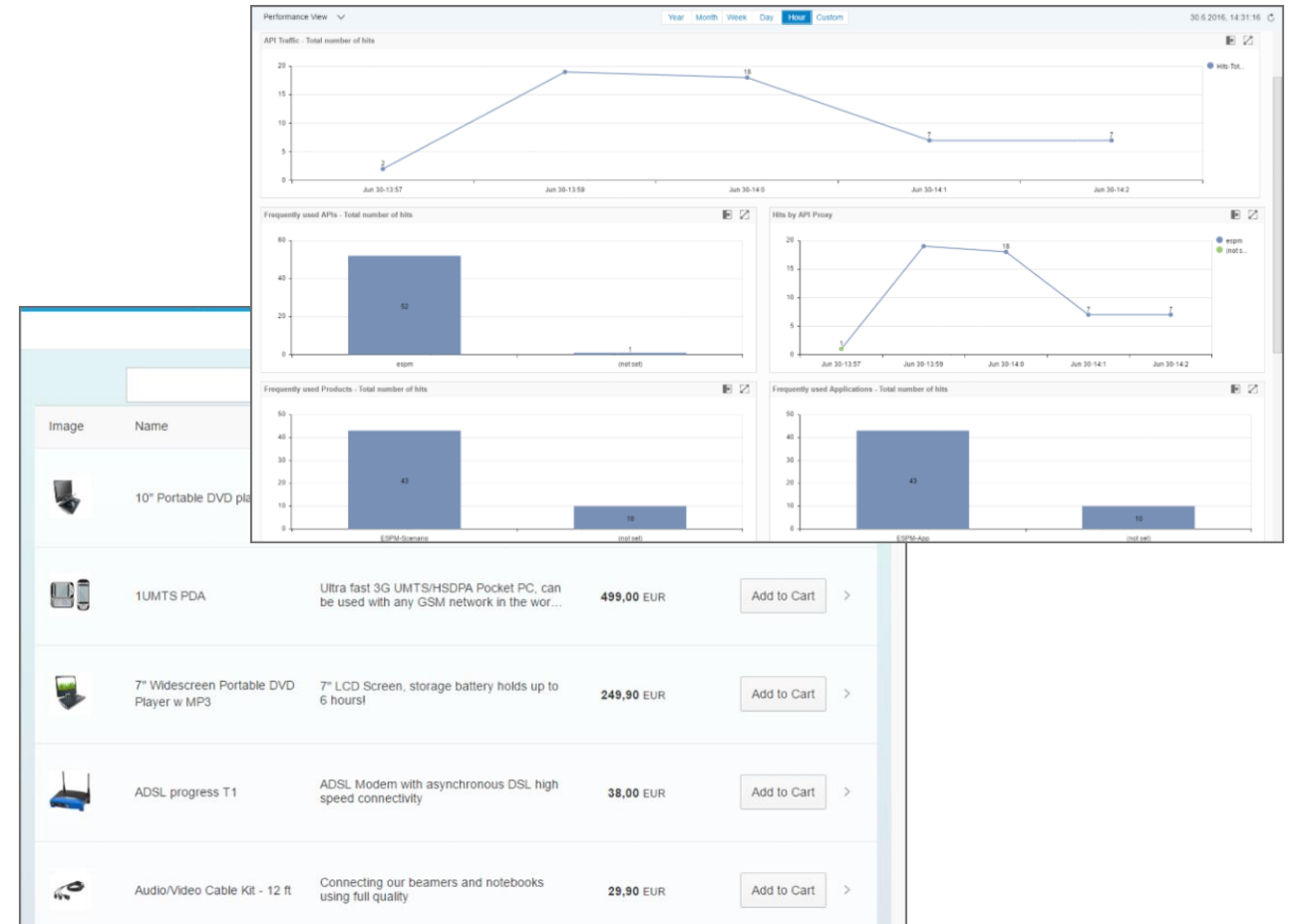
- Fast provisioning in regional, secure data centers on SAP HANA Cloud Platform
- Make APIs available for discovery and subscription (Developer Portal)
- Consume APIs from Web or mobile applications
- Build APIs for external publication and analyze productive usage
- APIs integrate and secure access to SAP cloud and on-premise solutions



# API Management – Theory

## What's next?

- How to enable SAP HCP, API management on SAP HANA Cloud Platform
- Connect to the ESPM application OData service created before
- Protect this service via SAP HCP, API management
- Adjust the ESPM application to consume services via SAP HCP, API management



# API Management – Theory

## What you've learned in this unit

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- Why more and more companies are using API management
- What API management is
- How SAP HCP, API management fits into your landscape
- What the core components of SAP HCP, API management are







# Thank you

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