Integration Cloud újdonságok
Hibrid felhő integráció

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WHAT IS THE #1 DRIVING FORCE OF INTEGRATION?

DISRUPTIVE INNOVATION
DISRUPTIVE INNOVATION – SAAS EXPLOSION
Too Fast for On-premises Only Integration

HCM   Marketing   Service
ERP   Sales   ...

slack   lyft   salesforce
workday
HCM   Marketing   Service
ERP   Sales   ...

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DISRUPTIVE INNOVATION – API EXPLOSION
Leading to API Chaos

HCM  Marketing  Service
ERP  Sales  ...

slack  Lyft  oracle

salesforce  workday

twilio  Spark Streaming  Kafka

ADP
DISRUPTIVE INNOVATION – SLOW PROCESSES
Lack of process automation
Oracle Cloud Platform for Integration
Application Integration, Process, and APIs

- Integration Specialist
  - Application Integration
  - Advanced SOA

- Role-based User Experience
  - No Code Integration
  - Visual Builder

- Applications IT
  - Oracle Integration
  - Recipe Integration

- Lines of Business
  - Recip Integration
  - Case Management

API Management

Design

Govern

Manage

Monetize

Deployment Flexibility

- Cloud
- Hybrid
- Cloud at Customer
- On-premises

API

Integration Analytics

Process Automation

Robotic Process Automation

Best Next Action

Integration Analytics

Stream Analytics

Business Dashboards

Integration Insight
What Integration Solution is Best for You?

**CLOUD**
- Oracle Integration Cloud Service

**ON-PREMISES**
- On-premises Integration Platform
- Oracle SOA Suite

**HYBRID**
- On-premises Integration Platform
- Oracle SOA Suite

- Oracle Integration Cloud Service
- Oracle SOA Suite Cloud Service
When Cloud-based Integration?

Best When

- Most integrations are between cloud-based applications
- Low to no need for integration to on-premises, or between on-premises applications
- Integrations are less complex (ICS)
- In-house integration skills are limited
- Focus is on rapid integration
When On-premises Based Integration?

**Best When**

- Most applications, business processes and data are on-premises
- Low to no requirements for integration to cloud services and APIs
- Privacy/security needs prevent move to cloud deployments
- Strict quality of service/SLA requirements require close control
- Complexity of on-premises IT requires a full-featured, flexible integration platform on the ground
iPass to On-Premise Applications

Hybrid Integration

• What is a Hybrid Integration Platform?
  • Using a cloud based Integration platform (iPaaS) with an on-Premise Integration Platform
  • iPaaS and on-Premise Integration Platform communicate with each other

• Why Hybrid?
  • Center of Gravity is heavy for on-Prem, but moving towards Cloud
  • When large Enterprise Apps are on-Premise with existing services for re-use
  • Already a large investment in on-Premise integration technology
  • Not a lot of new projects, and time-to-market not the key driver
  • Most Enterprises will have Hybrid for the next 3-10 years as they migrate their apps slowly to the cloud
When Hybrid Integration?

**Best When**

- *Need a strategic and comprehensive platform*
- Want to balance quick delivery projects with a systematic approach to integration
- Need to handle combinations of
  - Cloud to cloud to on-premises
  - On-premises to on-premises
  - Mobile, IoT, B2B, API Management
- Want to extend an established on-premises integration platform
  - Quickly attach to existing on-premises integration flows whilst leveraging the ease of use of the Cloud
  - Want to move existing integration flows to the public cloud (e.g. Mobile, B2B)
Oracle Service Bus (OSB)
Oracle Service Bus

Agilis nagy teljesítményű vállalati komponens

- Alkalmazkodik a változáshoz
  - Szolgáltatás virtualizáció
  - Protokoll váltás
  - Irányítás és transzformáció
  - Hiba kezelés, biztonsági szabályok kikényszerítés

- Több dimenzióban skálázható
  - Sok 1,000 szolgáltatás
  - Több millió tranzakció
  - Cachelés, párhuzamos feldolgozás, priorizálás

- Költség csökkentés újrafelhasználással
  - Szolgáltatás kapcsolódás egyszer
  - Egyszerű integrációs szolgáltatás beállítás
  - Értékek egységes nézete / szolgáltatás életciklus

- Kockázatok menedzselése
  - Beépített SLA menedzment
  - Hiba elszigetelés és automatikus helyreállítás
  - Auditálás és riportálás
  - Alkalmazás riasztás & SLA-k
Alkalmazkodó üzenetek

- Any to Any Protocol
- Any to Any Payload
  - XML
  - non-XML
  - Binary
  - Flat file
- No WSDL Required

Összetett kommunikációs paradigmák

- Request/response
- Synchronous and asynchronous
- One-to-many, many-to-one
- Pub-sub
- Mix-and-match (e.g. sync-to-async)
Integration Cloud Service (ICS)
Products: Integration Cloud Service, SOA Cloud, API Cloud, SOA Suite
Built on a Common Foundation – Your platform for Innovation!

Integration Cloud Service
- Designed for LOB/Apps IT
- Oracle Cloud

SOA Suite/SOA Cloud Service
- Designed for IT
- On-premise or Oracle Cloud

Common architecture, standards, integration components, application adapters, API management

- **Ease of use** – Intuitive drag & drop Web-based application integration
- **Pre-built Integration** – Run-ready integrations of common flows
- **Recommendations** – Embedded guidance for faster integration

- **Comprehensive** – Full suite of developer tools including API management, ESB, B2B, MFT, event processing.
- **Flexible Deployment** – Same offering available on-premise (SOA Suite) or in Oracle Cloud (SOA Cloud Service)
- **Simplified Management** – Use Oracle Cloud tools to automate and simplify operations
Oracle Integration Cloud Service

Key Features
- Simplified: Web based, Point & Click integration experience
- Highly Visible: Rich monitoring & error management
- Lifecycle: Support both on-premise, cloud lifecycle tools
- Highly Available: Data Guard, RAC Cluster
- Managed: Oracle Backs Up, Patches, Upgrades
- Fully portable: On-premise to Cloud

Benefits
- Pre-integrated SaaS, PaaS Auto-Association
- Integration Pre-buils: Customize, Activate
- Rapid Mapping using Recommendations
- Rich Connectivity with Cloud & On-premise Connectors
- Secure On-premise integration using lightweight Agent
- Rapid and fully automated provisioning
Simplify Integration to Oracle SaaS

- **Auto-Associate** – Pre-loaded with your existing Oracle SaaS subscriptions.
- **Version Aware** – No need to continually update for new versions of Oracle applications.
- **Built-in Security** – Leverage existing built-in Oracle security.
- **Monitor Dashboards** – Intuitive visibility into your business out-of-the-box.
Cloud Adapters
Comprehensive Connectivity

• Simplified Integration with Applications
  • Rich and Intuitive Designer Wizard
  • Business-centric view of the API Interface
  • Bidirectional Integration

• Automatic Discovery of Application Assets
  • Business Objects, Services, Events
  • Support for Standard and Custom Objects

• Plug and Play
  • Runs on-premise and in the Cloud
  • Point and click to start using new adapters

• Build your own or Buy at the Marketplace
  • Easily Rollout Adapters on your own using a simple SDK
  • Buy and sell adapters at the Cloud Marketplace
API Management
API Management – Making Sense of Complexity

Enterprise Architects
Partners
Systems Integrators
Mobile App Developers
LOB Developers

ORACLE CLOUD
Integration Platform as a Service

Oracle SaaS Applications

3rd Party
Salesforce

On-premises Integration Platform

On-premises
Oracle Applications, SAP, customer, legacy...

ON-PREMISES

Mobile
Things

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API Management – Making Sense of Complexity

Oracle API Management

Oracle SaaS Applications

Integration Platform as a Service

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3rd Party

Mobile

Enterprise Architects

Partners

Systems Integrators

Mobile App Developers

LOB Developers

Things

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Need for an API

• Security
  – Protect services

• Discovery
  – Promote functionality to developers and partners

• Monitoring
  – Understand how your services are used

• Management
APIs are the Doors to Digital Transformation
Secure, and Control Access to Services
API Platform Cloud Service

Next-gen, hybrid architecture

- End-to-end capabilities to
  - Design
  - Publish
  - Build
  - Consume
  - Secure
  - Monitor
  - Deploy

Easy to use

- Completely new, simplified API management experience
- Support changing business demands
- Clear visibility into who is using APIs
- Operational flexibility – gateways can be deployed in the Cloud or on-premises
Architecture of API Platform Cloud Service

API Platform Cloud Service

Identity Cloud Service

Oracle Cloud

Apiary.io

Oracle Cloud

Amazon, Azure, other clouds

On Premises
270,000+ API Developers
3M+ API Consumers
https://apiary.io/
Oracle Apiary, a Perfect Starting Point

APIARY TOOLS

- APIARY Editor
- Interactive Documentation
- Mock Server
- API Inspector
- GitHub Sync
- GitHub Integration
- Automated Testing
- Apiary CLI
- GitHub Enterprise (GHE) Integration
- Integrated Code Examples
- Embed Documentation
- API Style Guide
- Troubleshooting GitHub Sync and Integration

![Image of Oracle Apiary interface]

- 272,634 HEROES ARE WORKING ON 365,901 APIs BEING CONSUMED BY 3M+ DEVELOPERS
Oracle Apiary Customer Success
Oracle Cloud Platform for Integration
Application and Data Integration

Complete

Simplified

Open