



Oracle Integration Cloud Service

Closed Loop Ordermanagement with
SAP, SFDC and Oracle ICS

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People

- Cornelia Spanner
- Consultant
- Competence Unit SOA/BPM



- Alexander Däubler
- Managing Consultant
- Competence Unit SOA/BPM



Company

- Opitz-Consulting Deutschland GmbH
- Founded in 1990
- 11 locations in Germany and Poland
- Oracle Platinum Partner
- Project specialists in various areas
 - Integration
 - Modern Clients
 - Big Data
 - ...



Agenda

- 1 Introduction
- 2 Business Case / Solution Architecture
- 3 Hybrid Integration using ICS
- 4 Live-Demo



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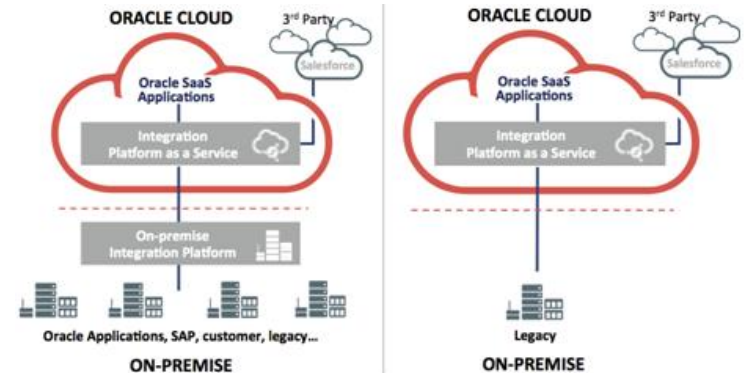
Integration – Then And Now

- Integrating distributed systems with each other
 - Has been a challenge for many years
 - Is still complex

- With more and more SaaS applications in use the complexity is even growing
 - On-premise 2 On-premise
 - On-premise 2 Cloud
 - Cloud 2 Cloud

Cloud Integration Types

- Hybrid approach
 - Both cloud and on-premise applications must be integrated
- Full iPaaS scenario
 - Most integrations need to be done between cloud-based applications
 - Center of gravity has moved to the cloud
- Oracle ICS as iPaaS solution supporting both types



iPaaS – General Advantages

- Quick realization of integrations
 - Browser based development
 - Less know how needed (quick start)

- Simplified maintenance
 - Implementation without installation
 - No deployment but activation of integrations
 - No installation, backup, patching etc.

→ Everything is done by the iPaaS provider

ICS – Key Features

- Quick realization of integrations 2.0
 - Pre-built integrations
 - Available through Oracle Cloud Marketplace
 - Can be customized and activated
 - Rapid payload mapping using Oracle Recommends
 - Rich Connectivity with Cloud & On-premise Connectors
- „BPEL like“ orchestration of service calls
- Hybrid scenarios supported
 - Secure On-premise integration using lightweight Connectivity Agent



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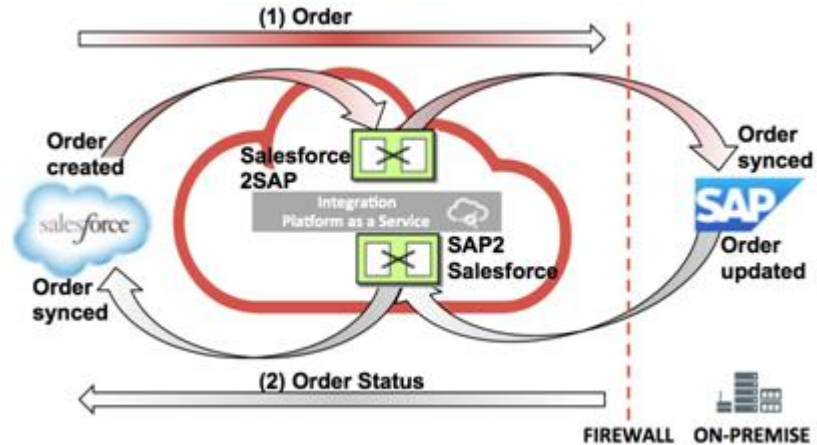
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Business Case

- Common customer scenario
 - SAP as on-premise ERP
 - SFDC as SaaS CRM
- Order created in SFDC has to be synced with SAP and vice versa



Challenges / Solution Architecture

■ Challenges

- APIs using complex data models
- Security concerns

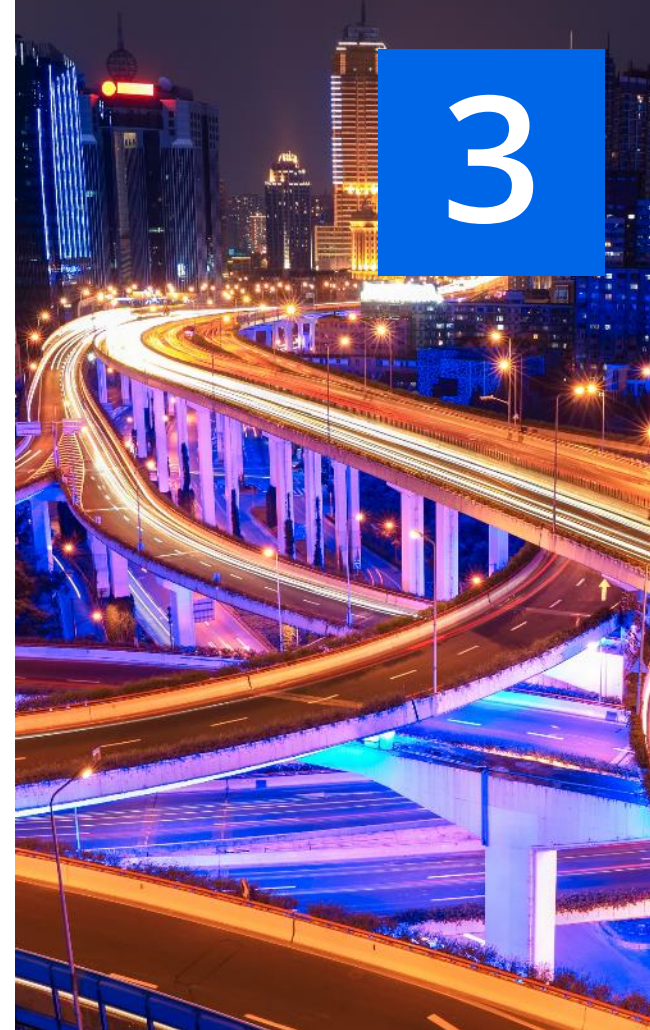
■ Solution Architecture

- Leveraging ICS palette of adapters
 - SAP
 - SFDC
- Using ICS Connectivity Agent for hybrid communication
 - On-Premise Agent always initiating the communication with ICS
 - No Firewall exceptions need to be defined

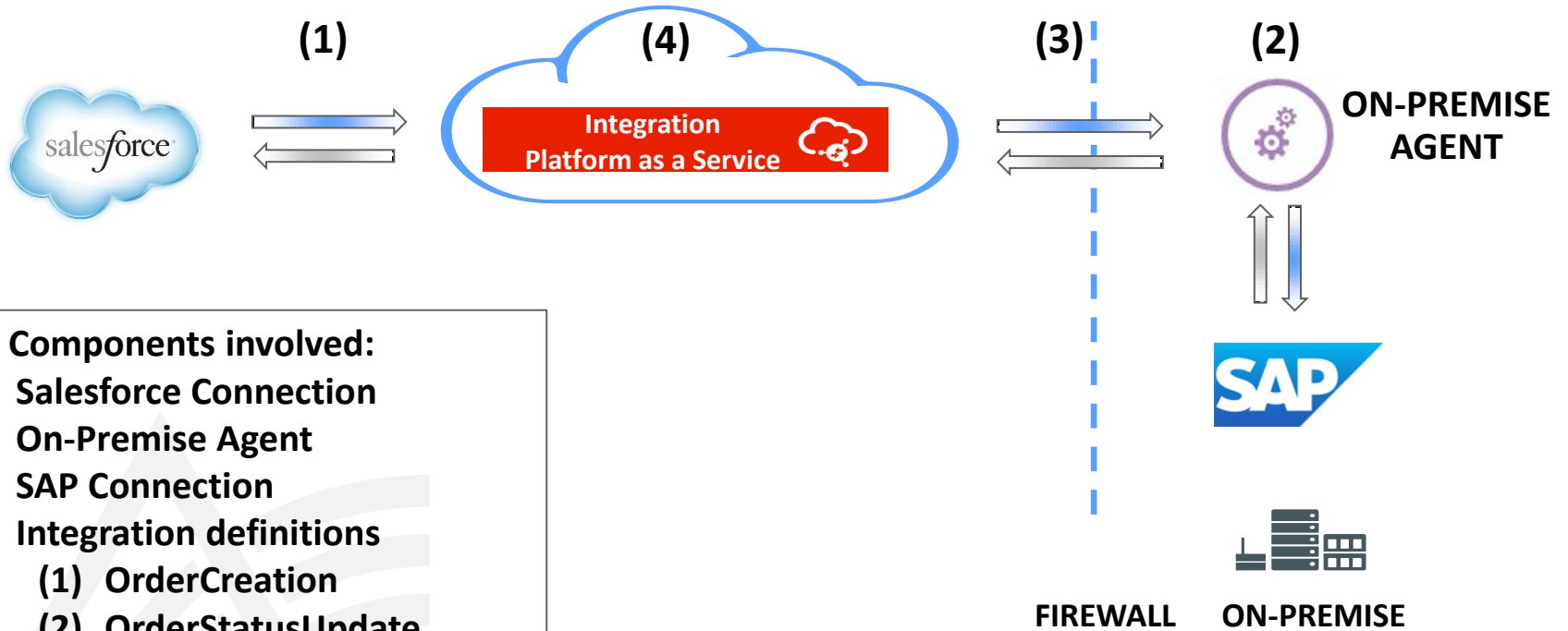
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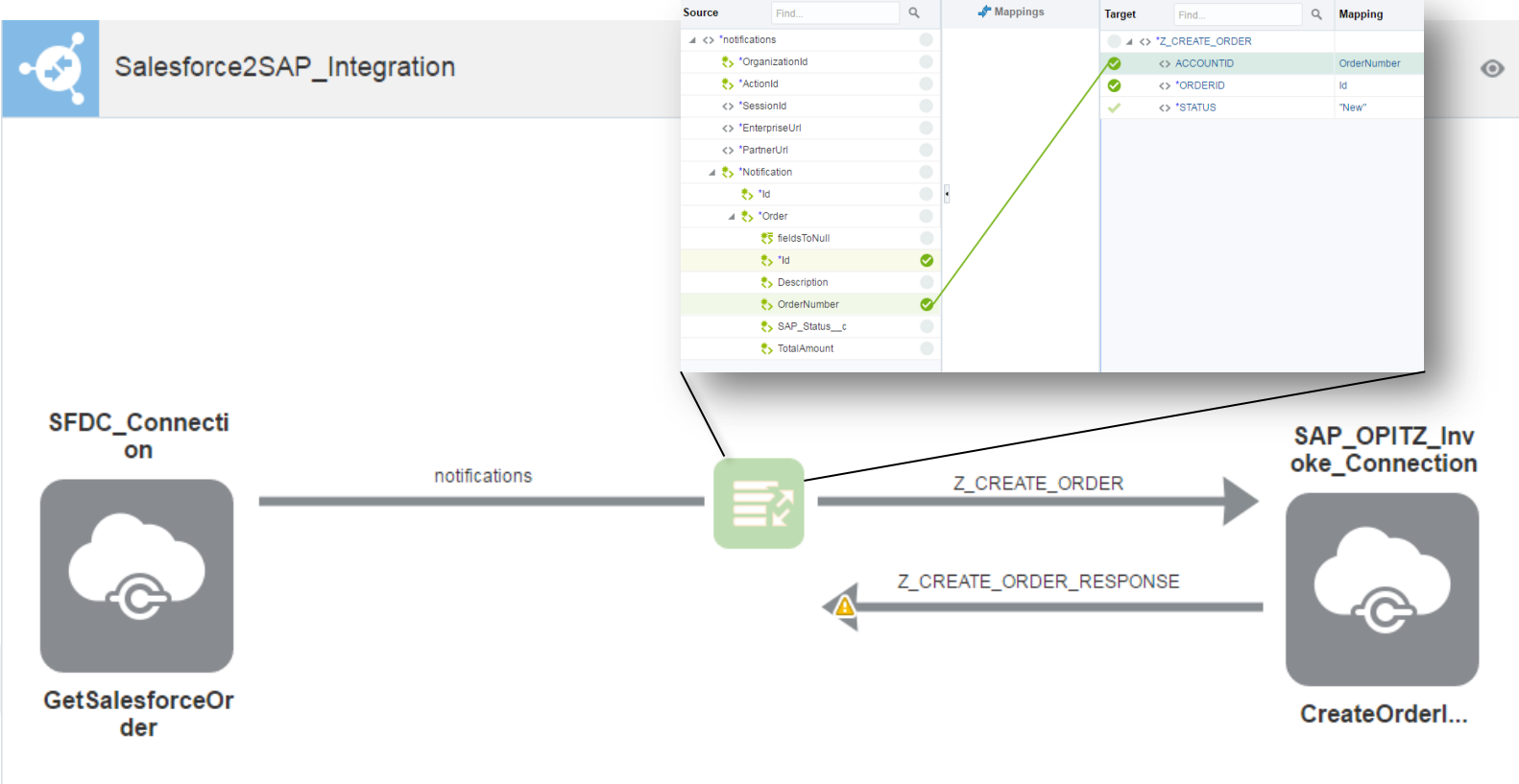
Order Creation (Salesforce2SAP integration)



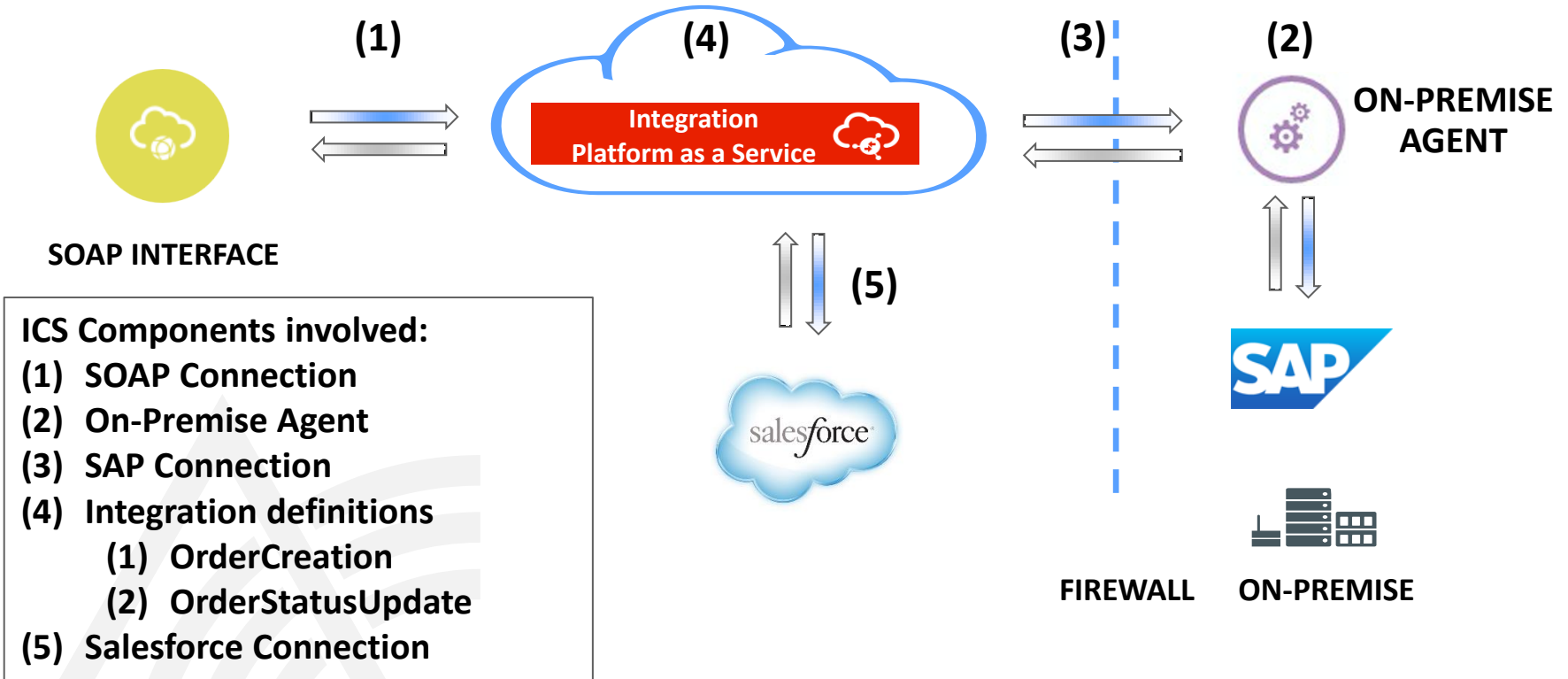
ICS Components involved:

- (1) Salesforce Connection
- (2) On-Premise Agent
- (3) SAP Connection
- (4) Integration definitions
 - (1) OrderCreation
 - (2) OrderStatusUpdate

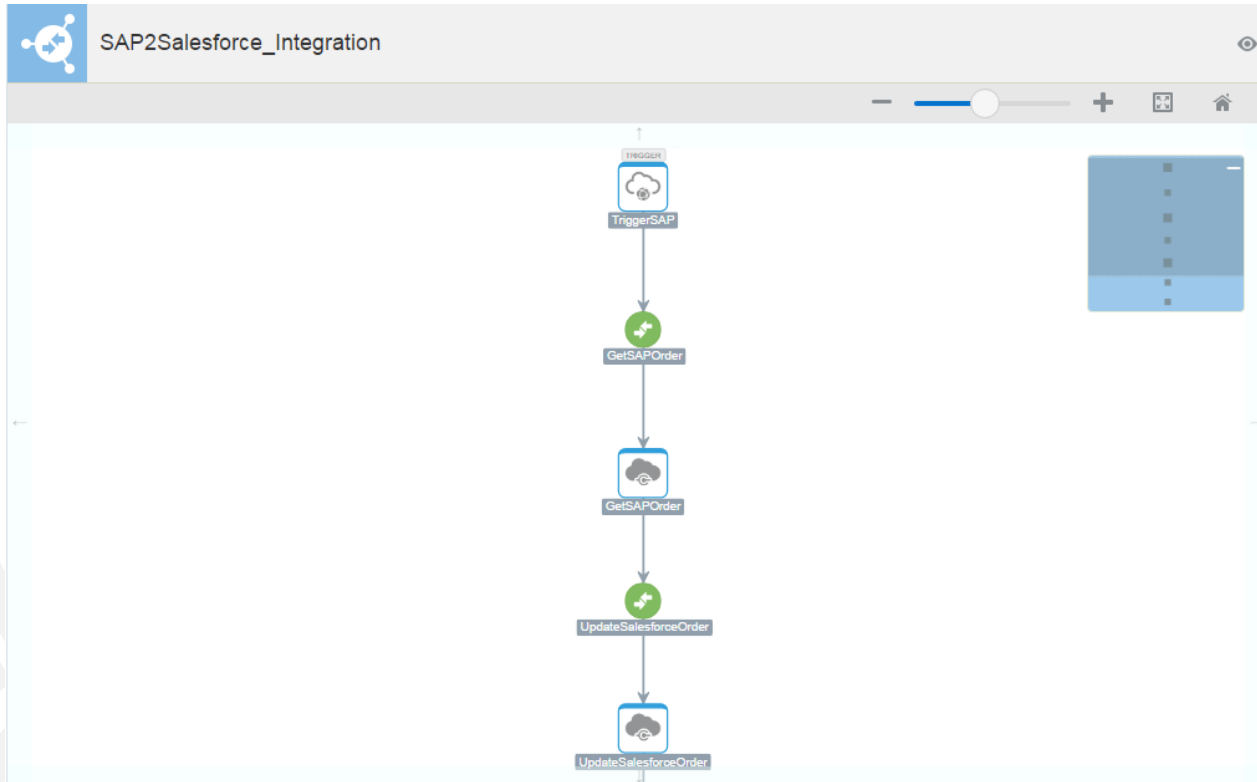
Salesforce2SAP_Integration



Order Status Update (SAP2Salesforce integration)



SAP2Salesforce_Integration



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Any Questions?



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