

POP204

Business Networks Integration – SAP Financial Services Network, Ariba

Sujit Hemachandran, Udo Paltzer

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Agenda

SAP Financial Services Network

Ariba

Cloud Onboarding and Integration Rapid-Deployment Solutions (RDS) – Ariba as Example

Summary



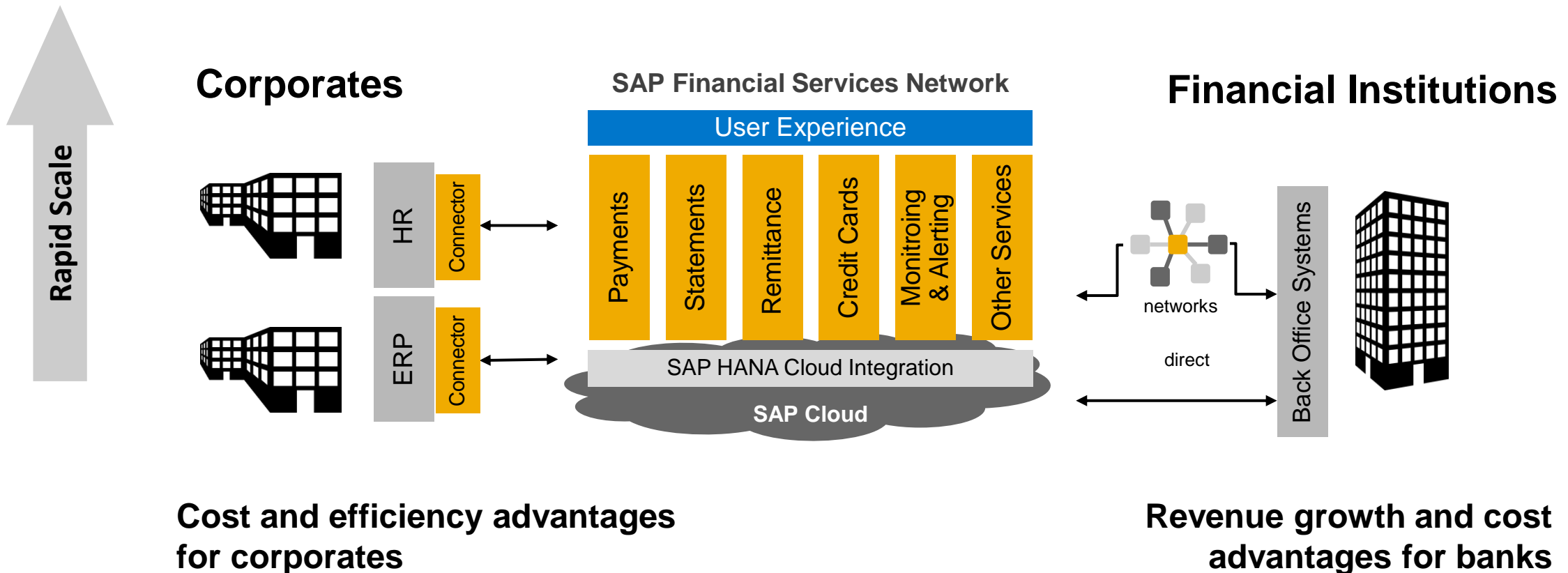
SAP Financial Services Network

SAP Financial Services Network (FSN)

Solution based on SAP HANA Cloud Integration

- Rapid on-boarding
- SINGLE integration point to entire network
- Offer more value-added services

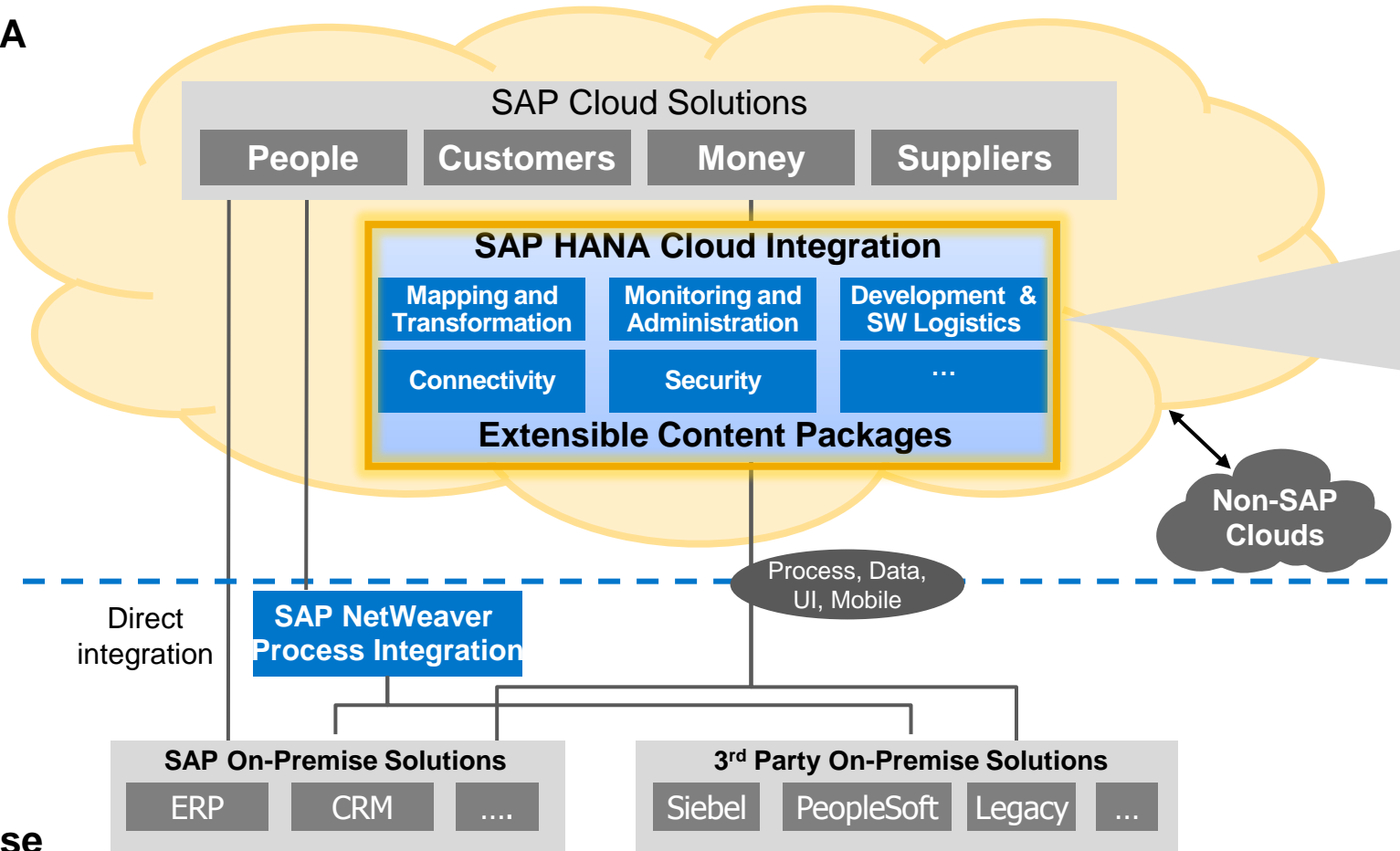
- ZERO footprint at Bank and Corporate
- Run and operated by SAP
- Better funds visibility and cash forecasting



SAP Financial Services Network

Solution based on SAP HANA Cloud Integration

SAP HANA Cloud



SAP HANA Cloud Integration

- Cloud based platform of choice for SAP Cloud solutions to connect to on-premise or cloud applications
- Complementary offering to SAP NetWeaver PI
- Prepackaged Integration Content
- Customer & partner ecosystem to extend and create new content and connectivity options

Application Edition

- Sales OD ↔ CRM OP
- SFSF BizX OD ↔ HCM OP
- SFSF EC OD ↔ ERP OP

SAP Financial Services Network

SAP Financial Services Network

Capabilities Today – Overview

Connectivity

- SFTP Client and Server
- WS-RM over HTTPS
- Pull Pattern based on web service
- FSN Connector (corporates)
- VPN

Security

- Transport level: HTTPS, SFTP, WS-Security
- Message / payload level: Encryption, decryption, signing, signature verification
 - PKCS#7
 - XML Signature (signing)
- Encrypted Data Persistency
- Multi tenancy / data isolation

Design

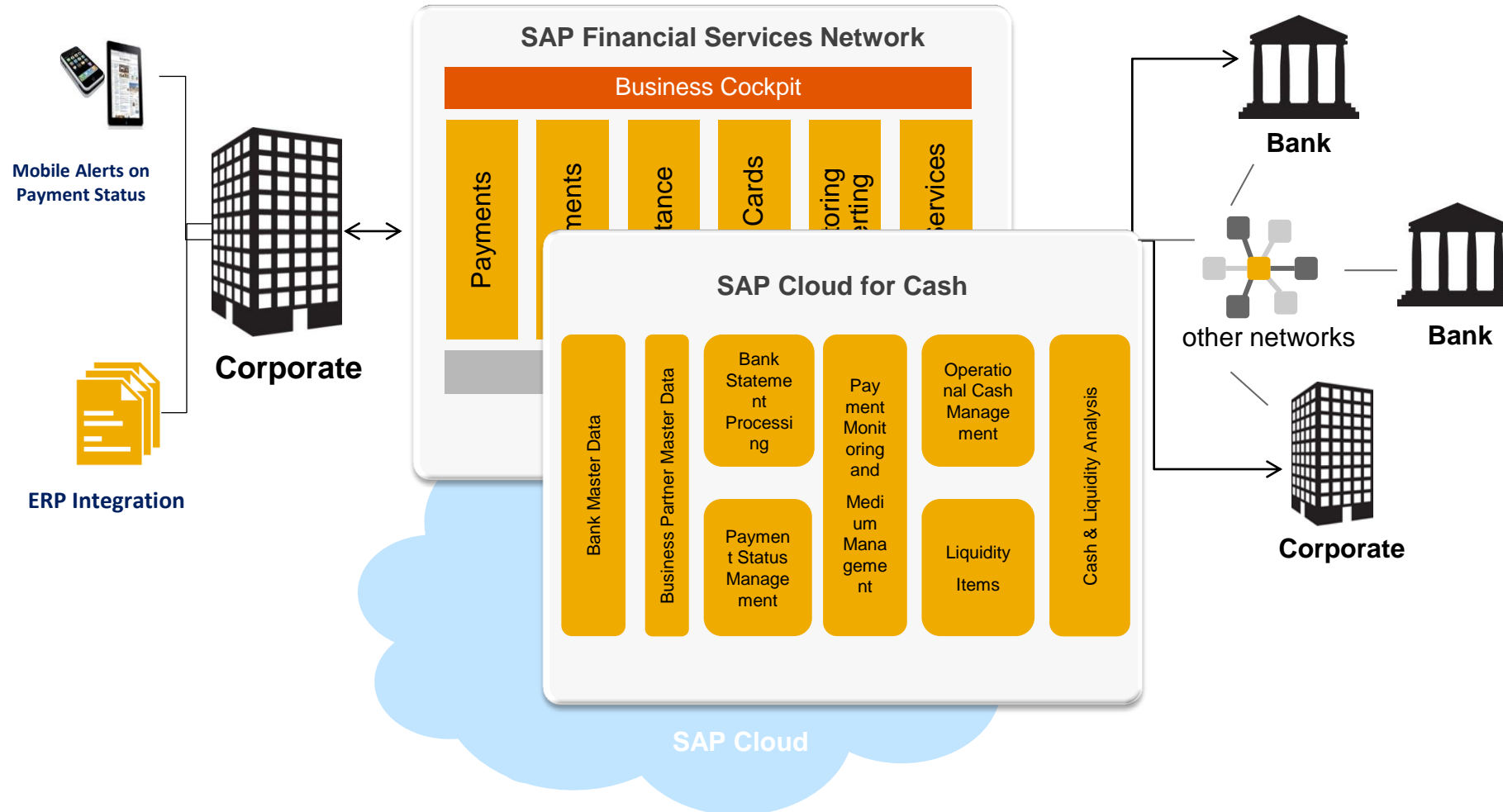
- Graphical modeling of integration flows in Eclipse
- Routing, data transformation, mapping
- Generation & build to create, deploy runtime artifacts

Operations

- Centralized monitoring, administration in Eclipse
- Operations managed by SAP Cloud Managed Services
 - Start, stop of runtime nodes
 - Deploy security material to runtime nodes
 - Drive software updates, message monitoring
 - React on alerts on SPC (Service Provider Cockpit)
- Failover
- Rolling software update
- Audit & Logging
- Onboarding of participants via templates

SAP Financial Services Network

Integration with Cloud for Cash



- Manage company's cash flow, liquidity status
- Large enterprises have often complex ERP system landscape
 - > Impossible to have aggregated view on all cash transactions
 - > Companies go too late to market for investments, loans
- Focus of 1st increment of "1311" shipment planned: Business monitoring of payment request (pain.001), payment status (pain.002), bank statement (camt.053), direct debit (pain.008)
- Payment monitor: Monitor payments in different status
- Consolidated information for all expected cash inflows and outflows across a company

SAP Financial Services Network – Message Layer

FSN Message or Native Application Payload

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<!-- Request Message -->
<SOAP:Envelope
xmlns:SOAP="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SAP="http://sap.com/xi/XI/Message/30">
<SOAP:Header />
<SOAP:Body>
  <n0:FSNMessageBulk
    xmlns:n0="https://fsnschemas.netweaver.neo.com/fsnflow"
    xmlns:prx="urn:sap.com:proxy:XLP:
/1SAI/TAE646AFACA686A8BD91404:700:2011/05/10">
    <FSNMessage>

      <SenderId>DE49900100000001000023</SenderId>
      <ReceiverId>WOWIDES1</ReceiverId>
      <MessageType>pain.001.003.03</MessageType>
      <FileName>DTA120807181425_0000</FileName>
      <NumberOfRecords>17</NumberOfRecords>
      <MessageId>MID-SAP-EBA-SCT-812-001</MessageId>
      <RelatedMessageId \>
      <ExtendedHeader \>

      <MessageContent>
        QINOX2IzX3N1cGVyIQ==
      </MessageContent>
    </FSNMessage>
  </n0:FSNMessageBulk>
</SOAP:Body>
</SOAP:Envelope>
```

SOAP Message

- FSN messages are transported as SOAP documents
- But: FSN can send/receive also native application payloads (e.g. pain.001) without FSN Message wrapping

FSNMessageBulk

- SOAP Body contains a FSN message bulk with multiple FSN messages inside

FSNMessage Header

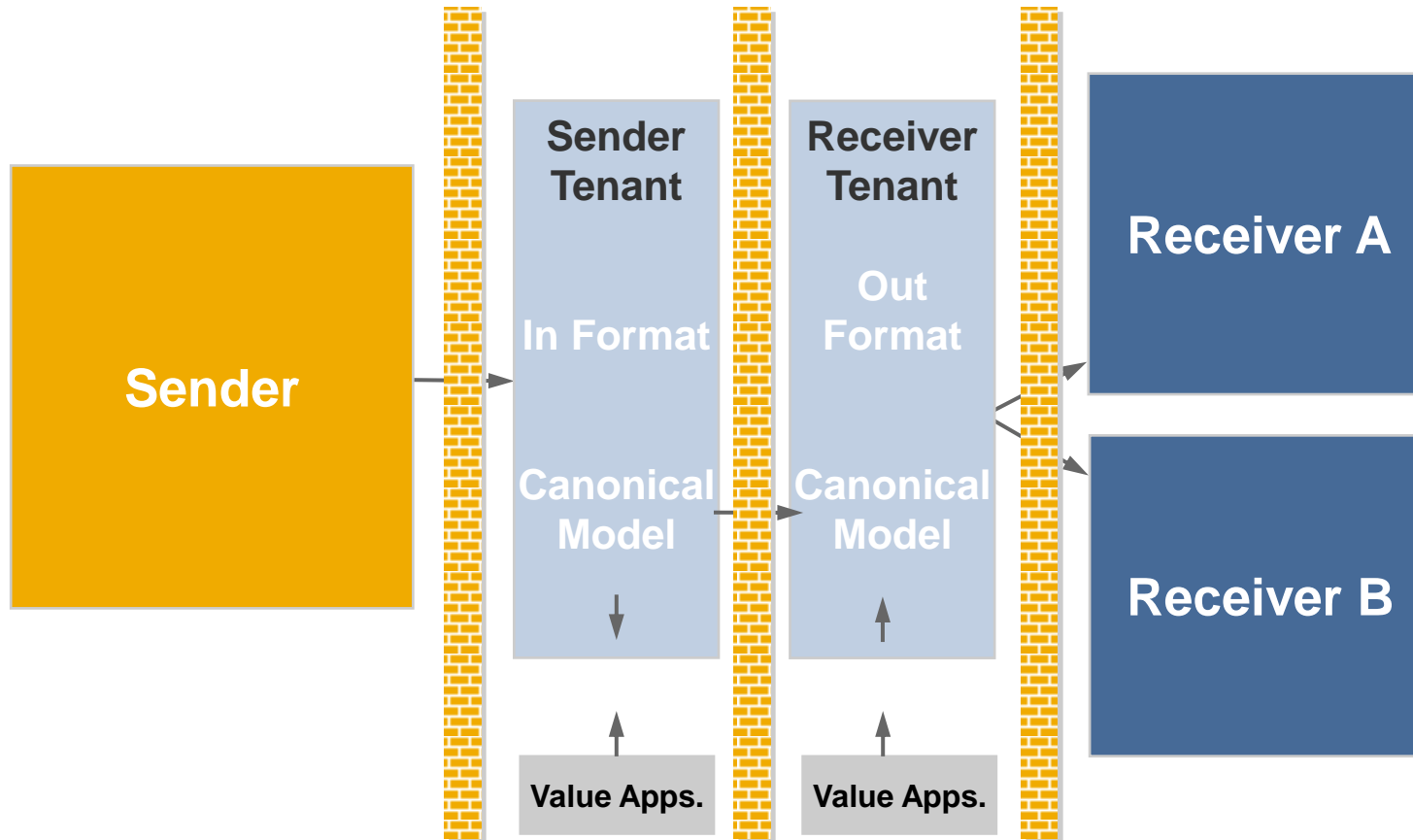
- Sender/ReceiverID
 - Used for routing
 - IDs agreed between bank and corporate
 - Bank-ID is unique in context of FSN. Corporate-ID is unique in context of a bank
- Payload information
- MessageID is ISO payment ID and therefore unique in context of a bank
- Number of records: Validation and billing

FSNMessage Content

- Message content is encrypted, signed and char encoded
- FSN can send/receive also native application payloads without security envelopes

SAP Financial Services Network

Sender / receiver tenant split



- Runtime isolation between sender and receiver tenant
- Message mappings are executed in the tenant they belong to
- Better isolation in message payload storage
- Value apps (e. g. business monitoring) can be deployed per participant (tenant)

SAP Financial Services Network

Links for further information

SAP Financial Services Network

- Documentation on SAP Help Portal:
 - SAP FSN: <http://help.sap.com/sapfsn>
 - SAP FSN Connector: <http://help.sap.com/fsnagent>
- SCN: <http://scn.sap.com/docs/DOC-40696>
- Ramp-up Knowledge Transfer (RKT): https://websmp103.sap-ag.de/~form/sapnet?_SHORTKEY=01100035870000759375&

SAP HANA Cloud Integration

- Documentation on SAP Help Portal: <http://help.sap.com/cloudintegration>
- SCN: <http://scn.sap.com/docs/DOC-40396>
- Ramp-up Knowledge Transfer (RKT): https://websmp104.sap-ag.de/~form/sapnet?_SHORTKEY=01100035870000758527&

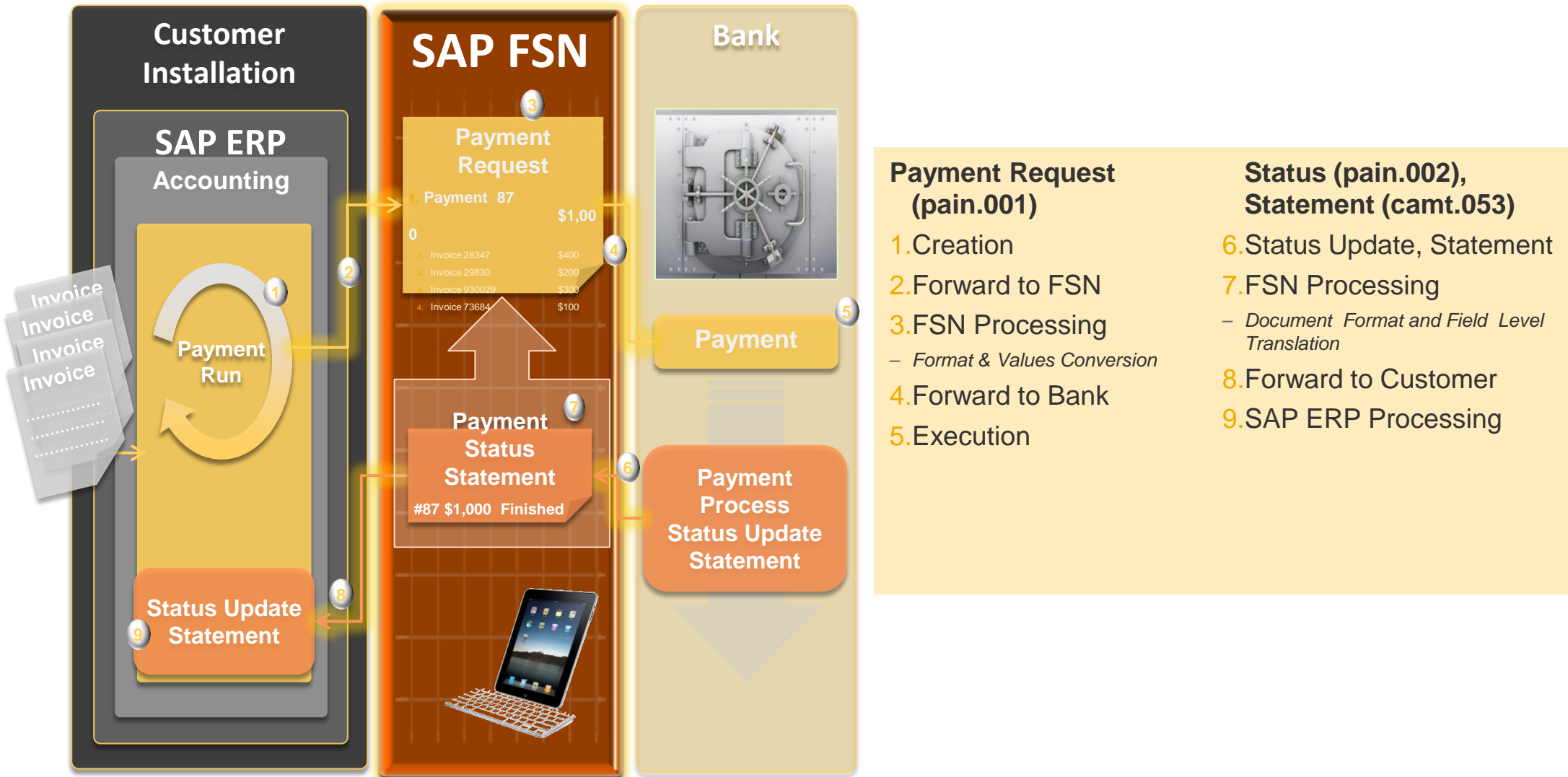


Demo

SAP Financial Services Network

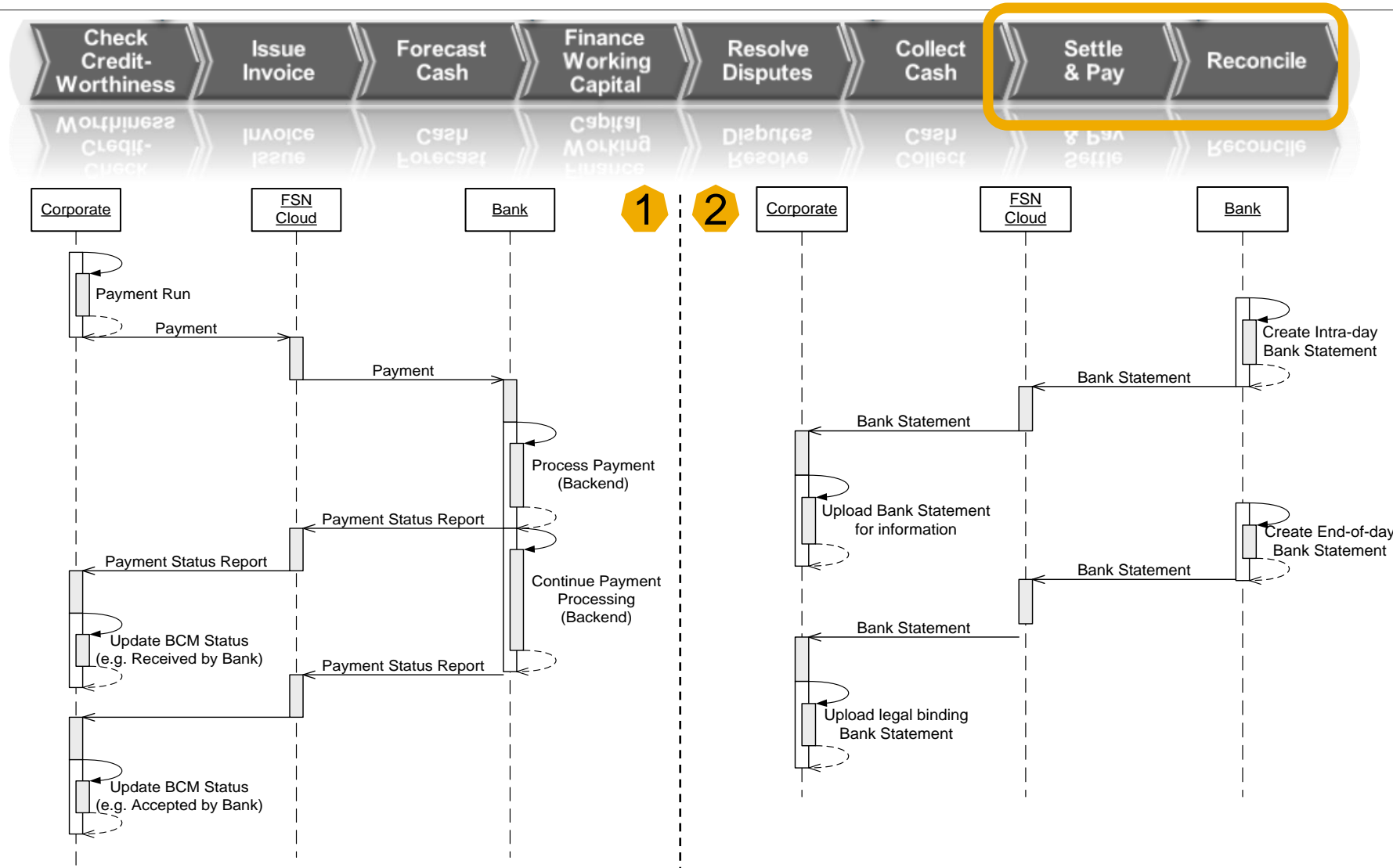


SAP Financial Services Network (FSN) – End-to-End Payment Flow

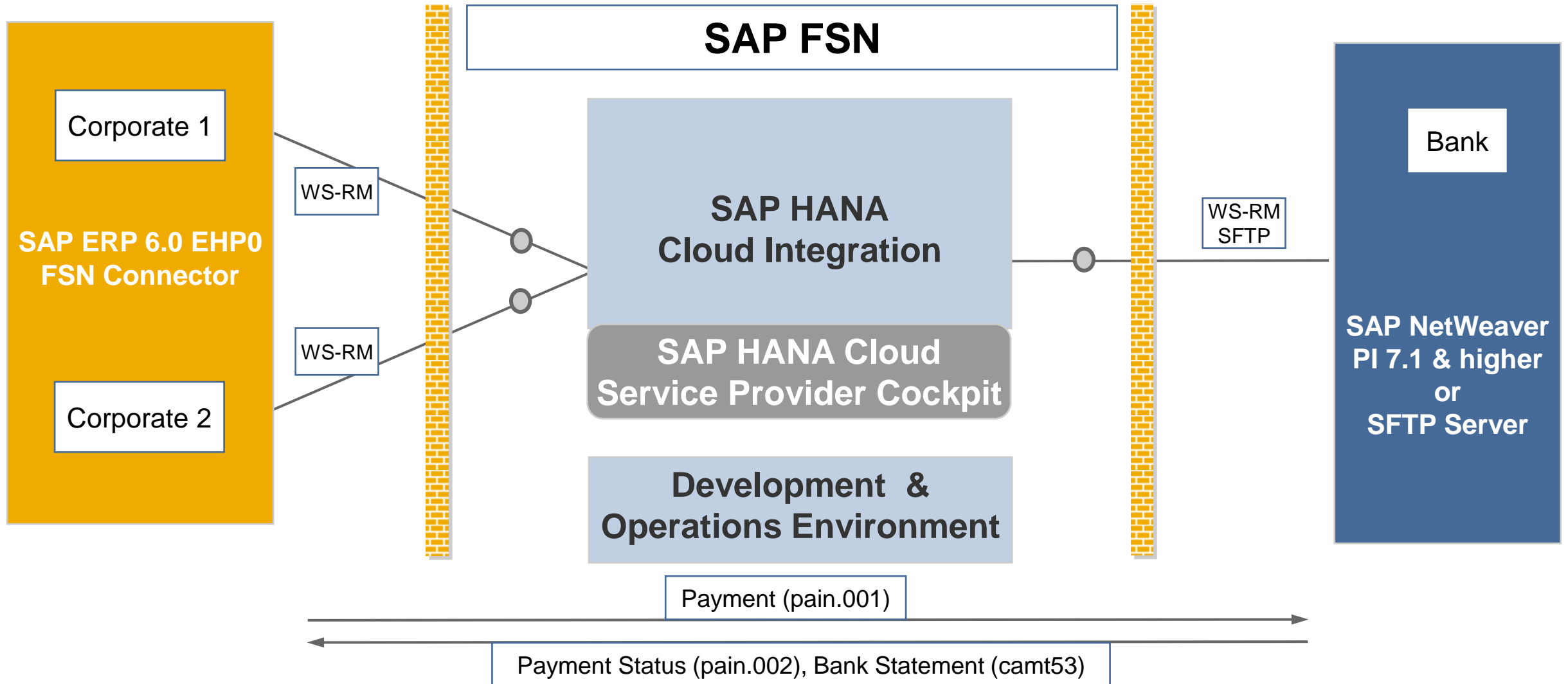


SAP Financial Services Network

Business Process: Settle & Pay, Reconcile



SAP FSN Scenario – Demo Overview



Target Personas (1)

Customer Side



- **Tenant admin : Configure backend systems**
 - Bank (FSN): Configure SFTP connectivity or SAP NetWeaver PI system
 - Corporate (FSN): Install and configure FSN Connector
 - Upload, download of communication information (WSDLs, certificates, SFTP directory name, public key)



- **LOB user : Trigger message exchange**
 - Payment requests
 - ...

Target Personas (2)

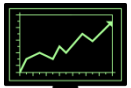
SAP



Your photo

- **SAP Application Content developer**

- Create standard integration content, e. g. configure integration flows, generate configuration bundles



- **SAP Cloud Managed Services aka SaaS admin**

- Create tenants, start runtime nodes
- Deploy certificates to corresponding runtime node
- Drive software updates, message monitoring
- React on alerts on SPC (Service Provider Cockpit)



- **SAP Cloud Professional Services aka Developer**

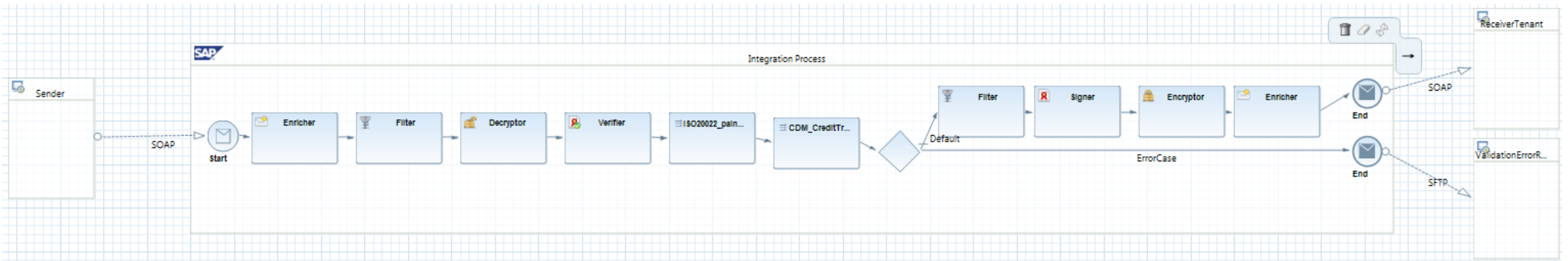
- Support customer extension scenarios, e. g. build mappings
- Deploy configuration bundle to corresponding runtime node

SAP Financial Services Network

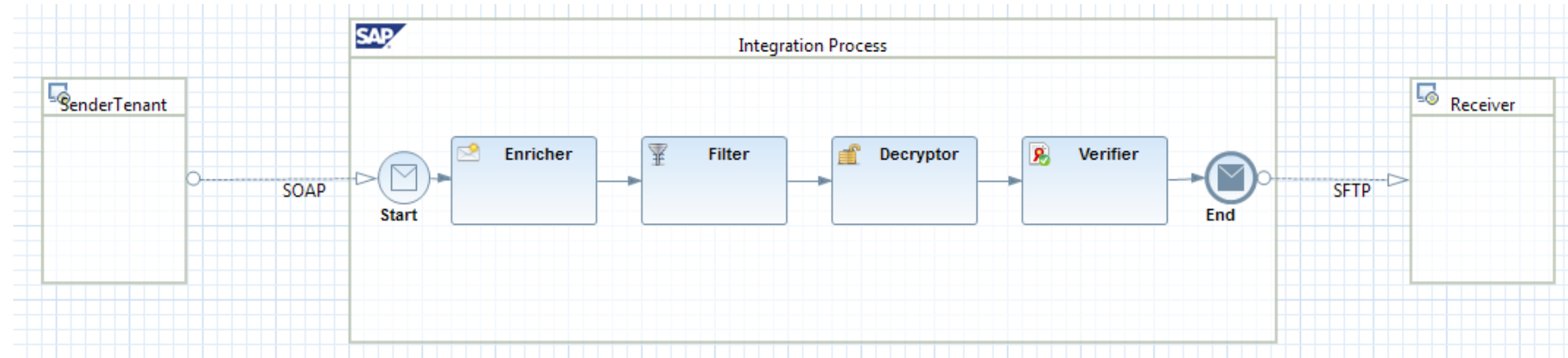
Sender/ Receiver Split: Configuration in Integration Flow

- **Sender / receiver split**

- Connection between sender and receiver tenant is modeled via a sender integration flow and a receiver integration flow



Sender Integration Flow



Receiver Integration Flow

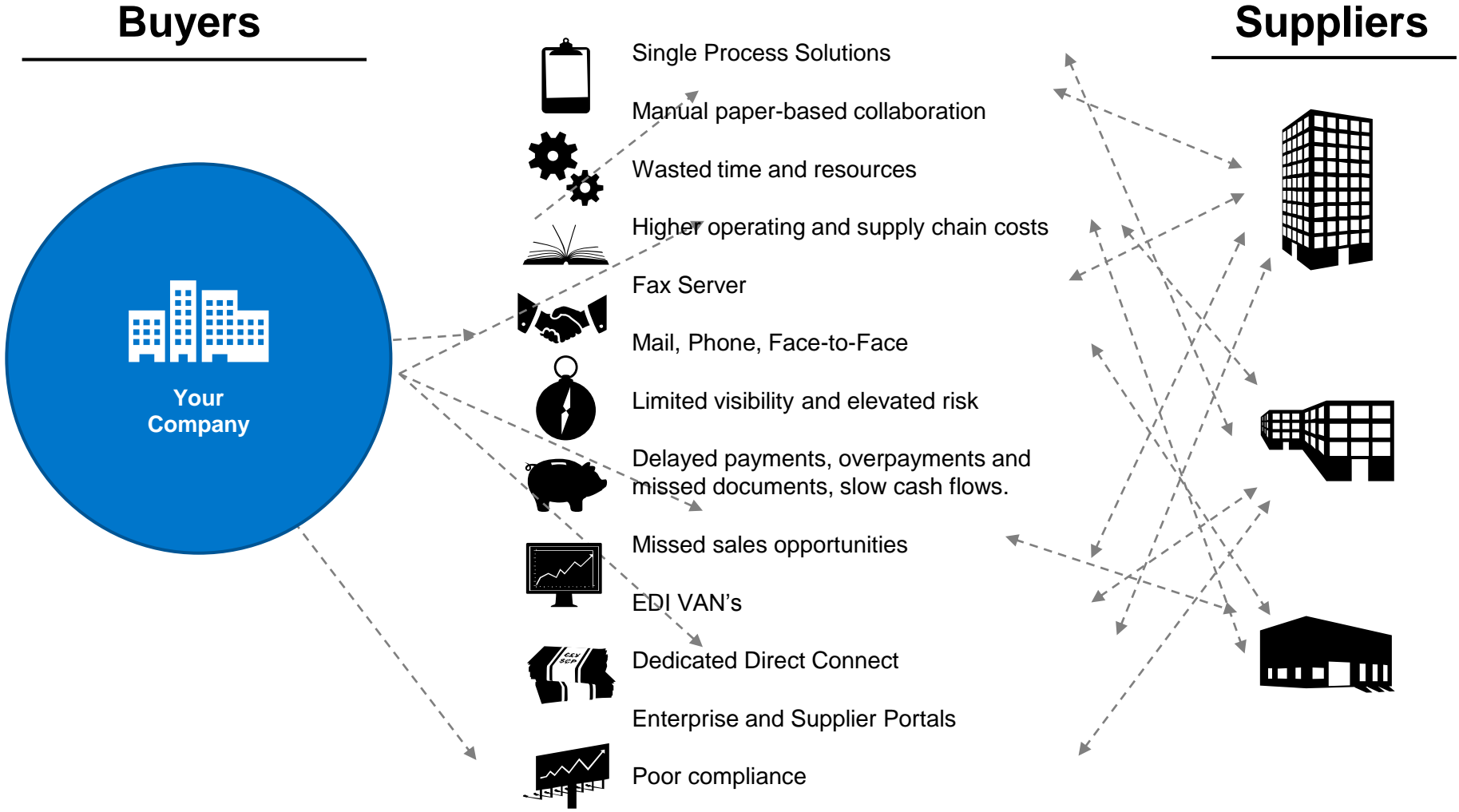


Ariba



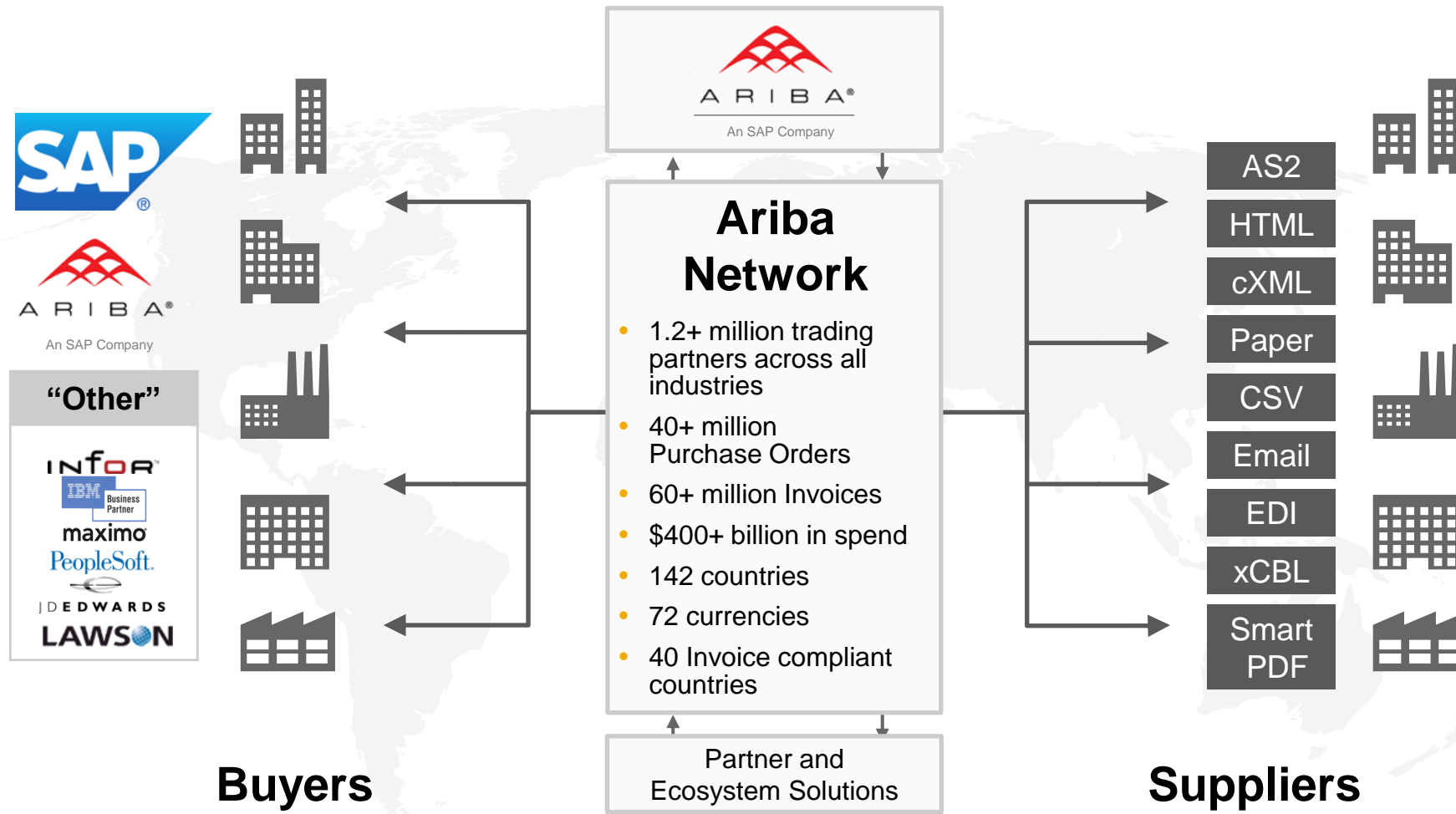
The Challenge: Too many ineffective approaches for B2B collaboration

Inefficiencies cost companies \$650B+ annually



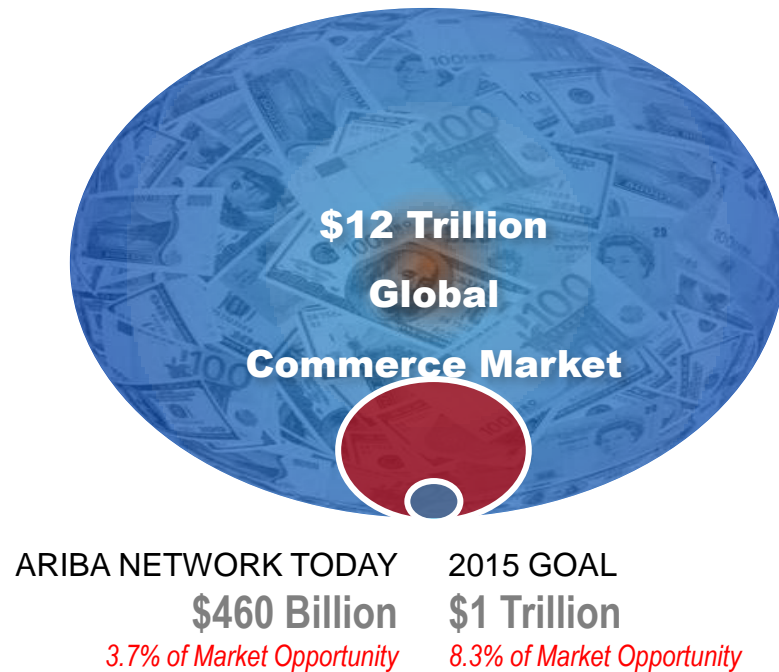
The Ariba Network is the leading business network

~ 1 million partners use Ariba Network, €400+ billion of commerce in 140+ countries



Get the Global Spend

Market for Networked Solutions - Large and Underserved



- The Global 2000's value chains represent \$12 Trillion in Commerce
- 63% of that commerce touches an SAP system today
- Applying the Ariba Business Network capabilities to these global value chains unlocks tremendous value for all trading partners involved

*Source: "Bridging the Procurement-Supply Chain Divide," Supply Chain Management Review, September/October 2012, pp. 36-42

Delivering Measurable Benefits to Buyers

Ariba Network: Extending Reach and Value Across All Industries



>4,500 global suppliers network enabled



98%+ touchless invoicing -- integrated with 8 SAP systems worldwide



96%+ on-time payments – and enhanced discount capture



75% reduction in AP costs



Global VAT and regulatory compliance – incl. in China



>4,000 suppliers network enabled



>500,000 electronic invoices/yr. – integrated with 7 SAP systems globally



70% global invoice volumes moved from paper to electronic – incl. non-PO



30% reduction in BPO costs

Delivering Measurable Benefits to Sellers

Ariba Network: Extending Reach and Value Across All Industries

Faster Payment

Lower Customer Service Costs

Increase Sales

Higher Customer Satisfaction

MEDIAFLY

EASI

MARK MASTER

EBSCO

Cut quote-to-settle cycle by



Order process **reduced from several weeks to hours.**

Won \$1M deal with global retailer via Ariba



Grew orders with existing customers **>65%**. 20%+ Y-o-Y revenue gain for 6 years.



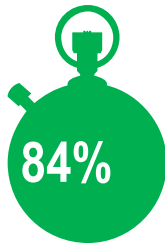
Gained **80%** of new clients from Ariba



99% customer retention rates and



30% growth in accounts



Taps early payment discounts to **improve** cash flow, fund investments.

Leading organizations are already using the Ariba Network to ...



Collaborate immediately with all trading partners – activate not implement?

- Automation with >400 suppliers & 300 catalogs in <8 weeks



Turn paper into efficient electronic transactions?

- Cut 75% of processing costs



Catch errors and correct them – before they even happen?

- 98.8% touchless invoice rate



Reduce the cost of goods – beyond sourcing initiatives?

- >16% of suppliers offering early payment discounts

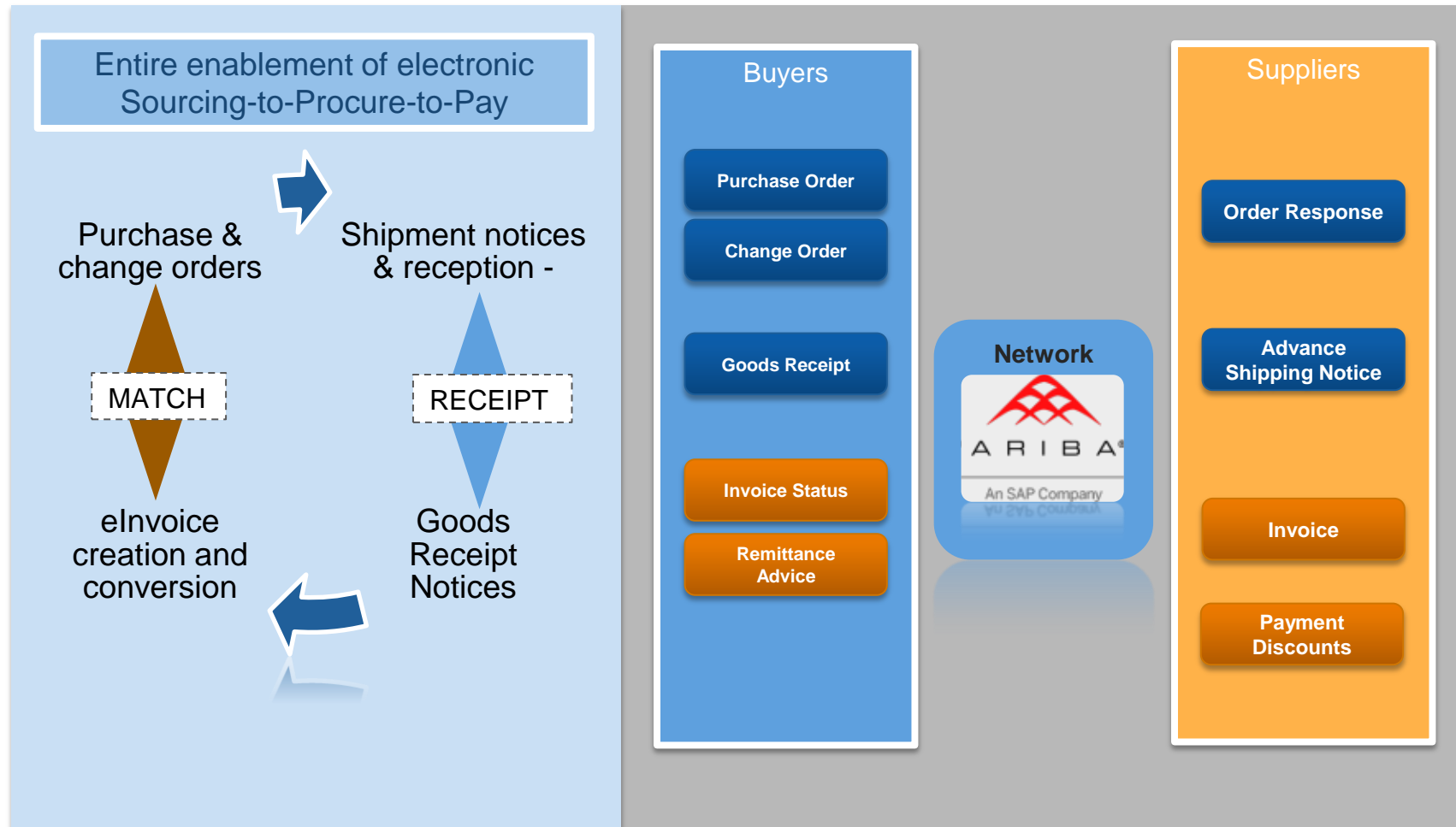


See opportunities you're missing and have the ability to participate worldwide?

- Grew existing customer orders >65%

Ariba

Procure to Pay Optimization




Ariba - Collaborative Commerce

GO TO MY: LEADS PROPOSALS CONTRACTS **ORDERS & INVOICES**

Home **Inbox** Outbox Catalogs Enablement Tasks Reports

Profile Completeness

 **100%**

Quick Links

View: ▼

Purchase Orders

- New (13)
- Changed (1)
- Failed (0)
- Partially Confirmed (0)
- Partially Shipped (1)
- Partially Invoiced (3)

Invoices

- Failed (0)
- Rejected (2)

Collaboration Requests

- Response Needed (0)

Search

Purchase Orders

- Order Confirmations
- Ship Notices
- Invoices
- Payments
- More...





Customer:

Order Number:

Date Range:


Exact Match

Purchase Order Status

Customer	New	Changed
 Nestlé	0	0
 Lloyds TSB Bank	4	0
 AstraZeneca	2	0
 Coca-Cola Enterprises	0	0

Clients

Invoice Status

Customer	Sent
 Ariba EMEA Sales	0

1 Million suppliers

Sourcing

Contracts

Catalogs

Purchase Orders

Order Confirmation

Shipping Notices

eInvoices

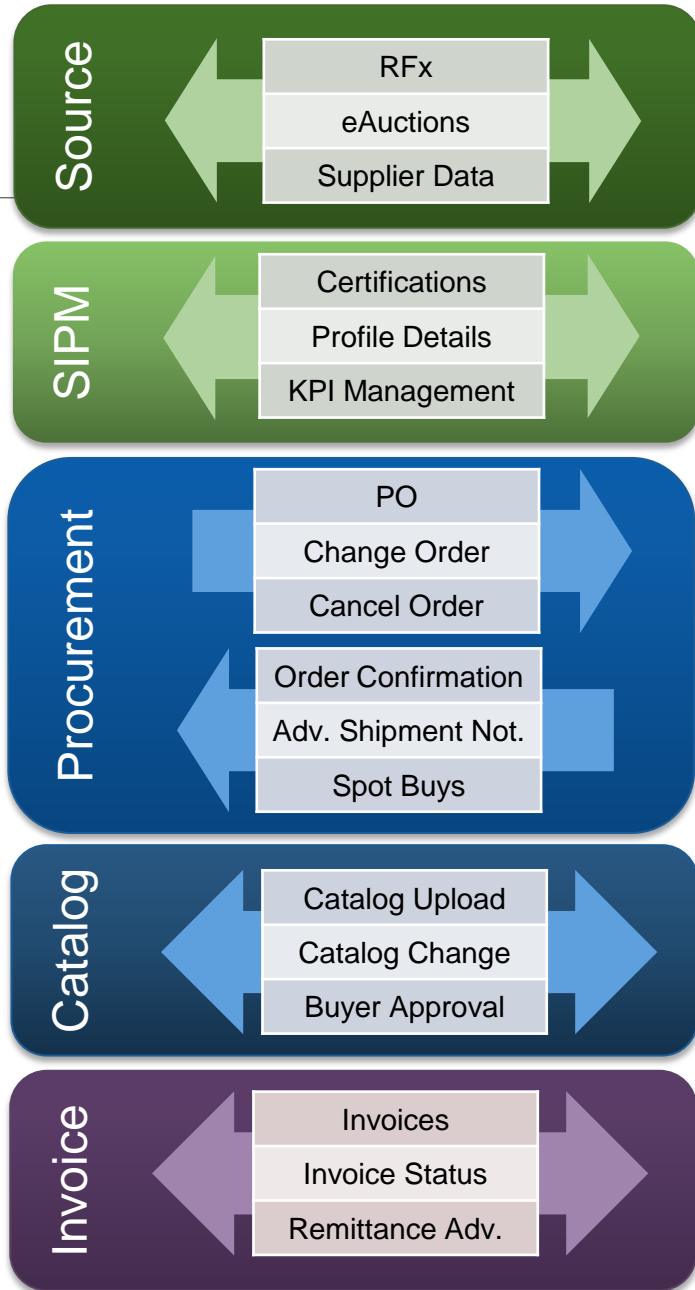
Invoice Status

Payment Status

Early Payments

Ariba – Supplier Collaboration Options

Common Multi-Vendor Approach



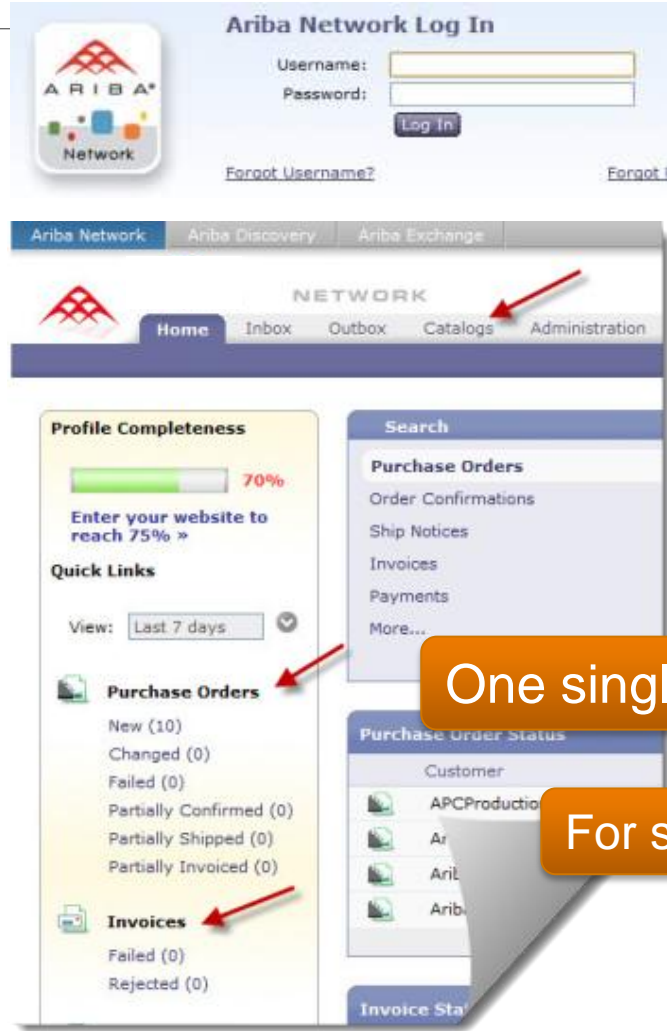
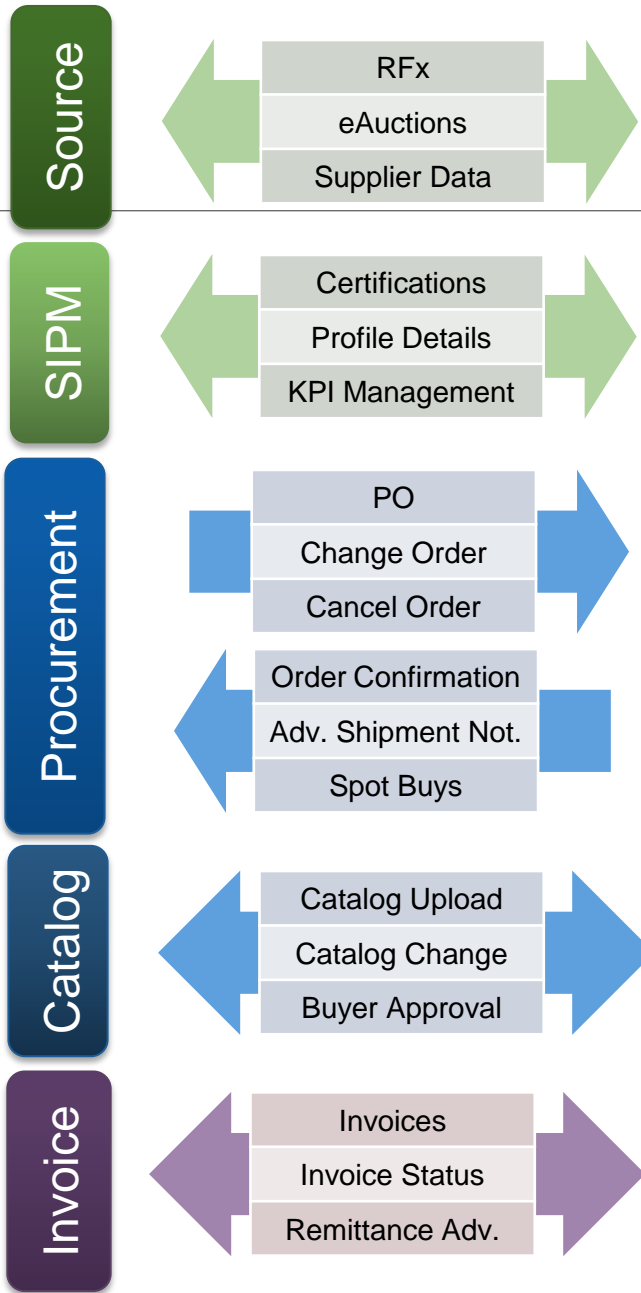
For 1 supplier this means:

- 5 profiles to manage
- 5 separate logins
- 5 separate process
- **5 separate supplier enablement approaches**

Multiplied by all his clients

Ariba – Supplier Collaboration Options

Standardized Approach



One single solution

For several of their clients



Cloud Onboarding and Integration Rapid-Deployment Solutions (RDS)

Ariba as example

Integration and onboarding requirements for cloud deployments

IT



Data Security and Compliance



Support for Complex Landscapes



Choice of Integration Technology



End-to-End Monitoring and Support



Best practices and proven integration and onboarding approach

LOB



**Single Source of Truth/
Master Data Synchronization**



Real-Time Business Process Integration



Integrated User Experience



Rapid Deployment & Time to value



Predictability of implementation scope, cost and time

Why is RDS the right answer for onboarding and side by side integration?

1 Start



2 Deploy



3 Run



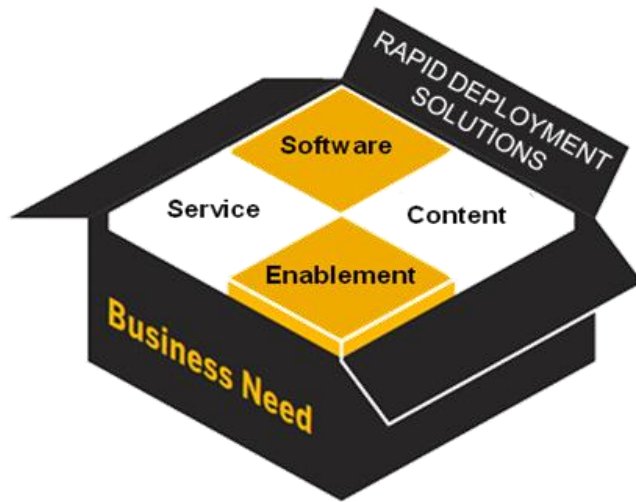
Receive preconfigured onboarding and integration content, services, tools, best practices, guides, templates, and presentations

Implement onboarding in a matter of weeks

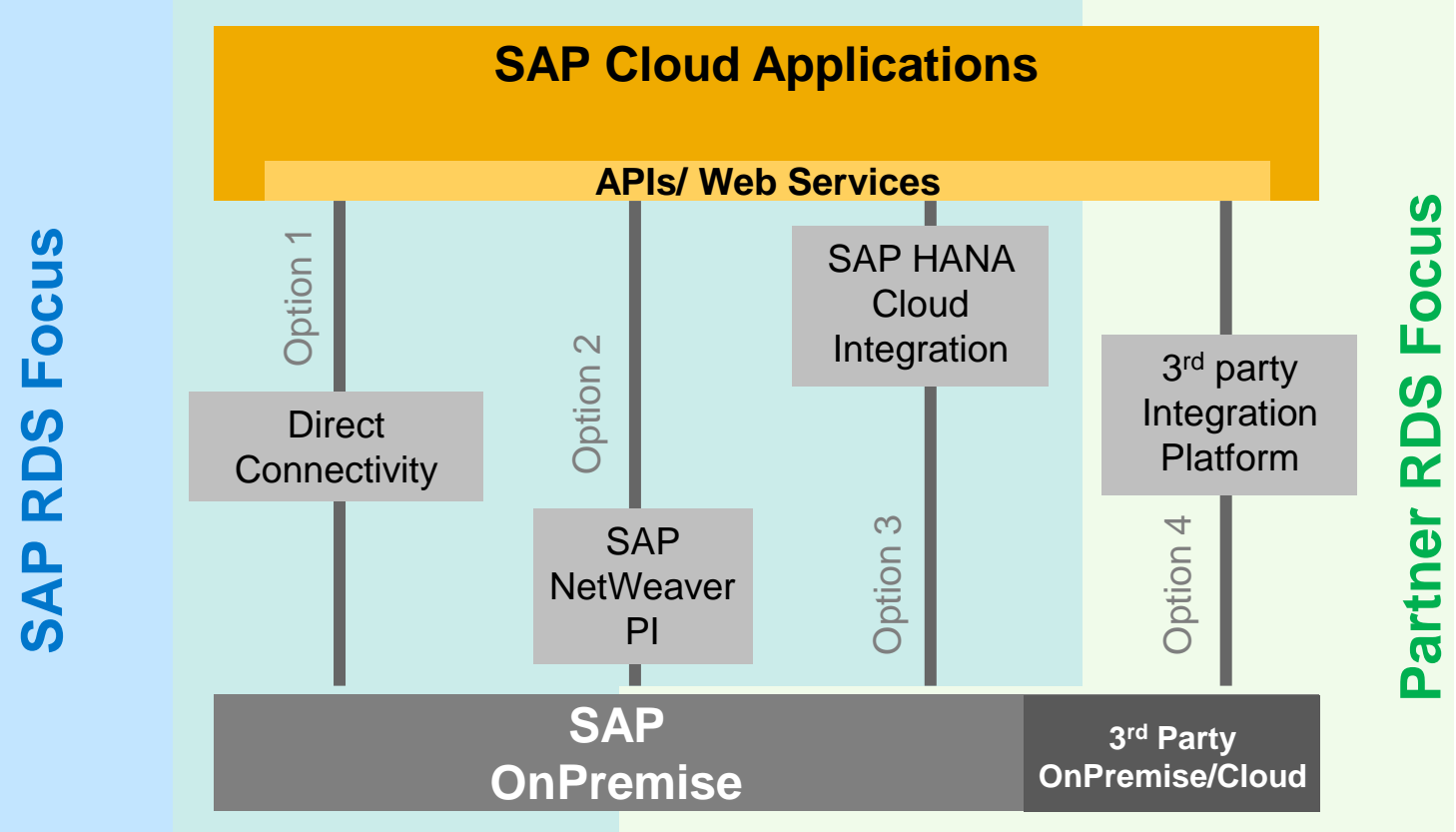
Integrate with no surprises and minimal disruption, ensure long term integrity

Relax with a fixed scope, timeline, cost, and outcome

Accelerate end-user adoption with guides and educational materials



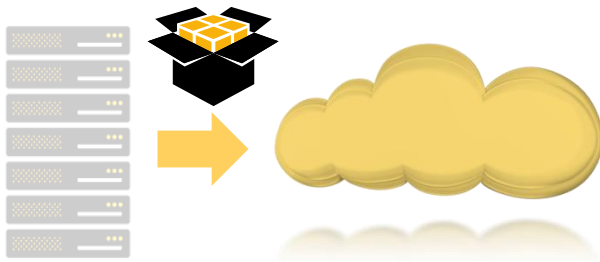
Integration options we plan to support with RDS (SAP & partner)



Enabling Innovation Adoption at Scale

Cloud: Onboard, Integrate and Run using Rapid Deployment Solutions

Onboard to the cloud



Pre-defined Best Practices for Data Migration and Database Migration

RDS Packages

- Business Warehouse on HANA Enterprise Cloud *
- Onboarding for Ariba Procure-2-Pay *
- Financial Services Network Corporate Onboarding *
- Rapid Data Migration to Cloud Solutions from SAP (SuccessFactors Employee Central, Customer OnDemand)
- Rapid Data Migration to SAP Enterprise Foundation Extended *

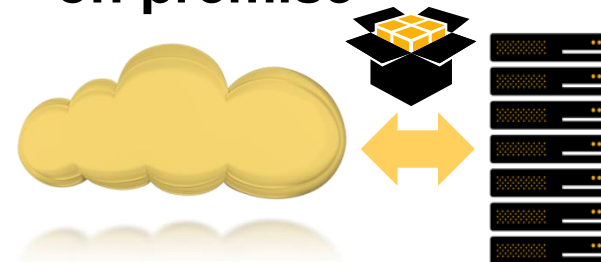
Cloud Deployment



RDS running in the Cloud

- SAP ERP rapid-deployment solution powered by SAP HANA
- SAP CRM rapid-deployment solution powered by SAP HANA
- Finance on HANA (Accelerators, Net Margin Analysis) *
- Custom Data Marts on HANA in the Cloud *
- SAP Afaria rapid-deployment solution
- SAP HANA Sentiment Intelligence rapid-deployment solution

Integrate cloud with on premise

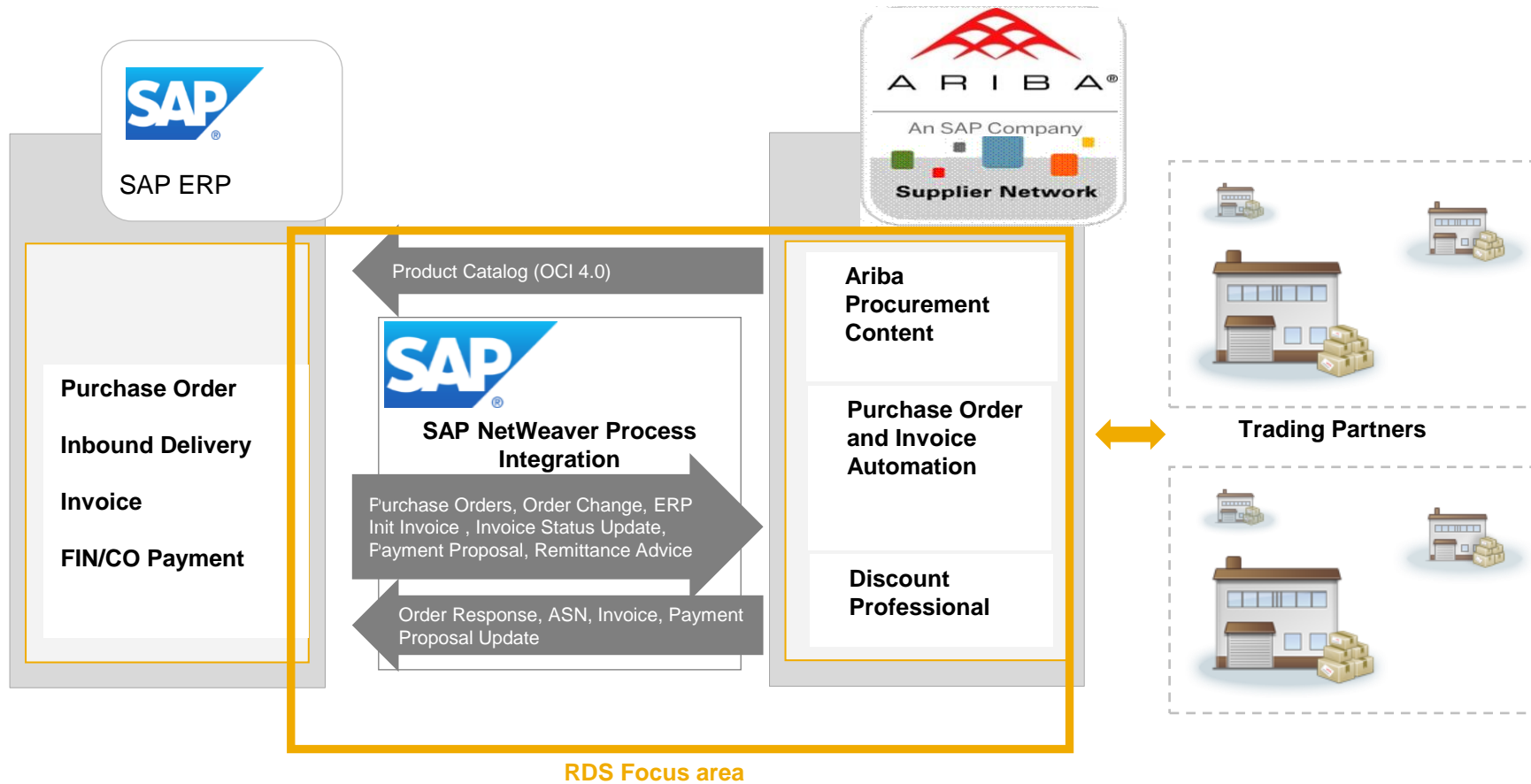


Pre-defined Best Practices for data/process integration

- SAP Business Suite Integration with the Ariba Network rapid-deployment solution
- SAP Rapid-Deployment Solution for Success Factors Integration
- ERP Sales OnDemand Integration *
- CRM Sales OnDemand Integration *
- Travel on Demand ERP integration *

SAP Business Suite integration with the Ariba Network – RDS

What's Included – Solution Scope



Services Scope Overview

Building Blocks (Cloud and On-Premise modules)

Service Name: rapid deployment of SAP Business Suite Integration with the Ariba Network

Implementation Duration: 10 Weeks (Combined)

- SAP Business Suite integration with the Ariba Network RDS combines both Cloud and On-Premise services
- The core services (Cloud + On-Premise) are mandatory and build the backbone for the optional services
- The combined (Cloud + On-Premise) service can be implemented within 10 weeks

On-Premise Services

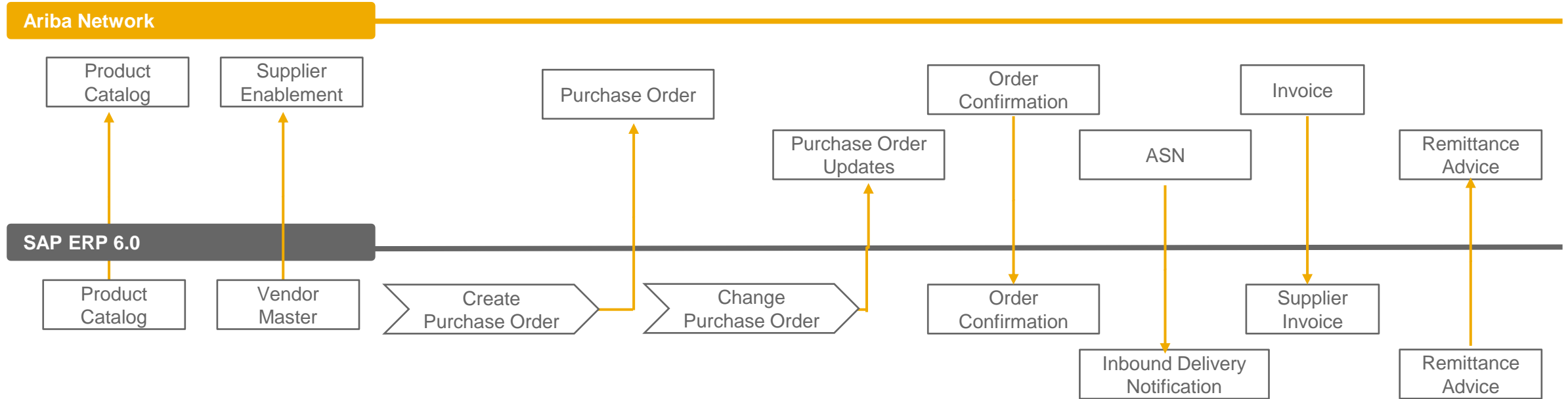
Core	Foundation Service (Connectivity set up for PO & Invoice Automation*) <small>*includes support for ten mutually agreed upon sellers for go live</small>
Options	Catalogue Integration (OCI „punch-out“)
	Discount Management Integration



Cloud Services

Core	Ariba Collaborative Finance (incl. Buyer Membership, Invoice Automation & PO Automation, *Supplier Enablement & Open ICS) <small>*includes support for ten mutually agreed upon sellers for go live</small>	Core
Options	Ariba Procurement Content Solution	Options
	Ariba Discount Professional Solution	

Ariba Network Integration to SAP ERP 6.0



- Integration between SAP ERP and Ariba Network for electronic transmission of Purchase Orders, Updates, and Remittance Advice, and electronic receipt of Order Confirmations, Shipment Notices, and Invoices
- Predefined and preconfigured integration on SAP HANA Cloud Integration
- Also planned to be delivered via SAP Rapid Deployment Solution (RDS)

Further Information

SAP Public Web

scn.sap.com

www.sap.com

SAP Education and Certification Opportunities

www.sap.com/education

Watch SAP TechEd Online

www.sapteched.com/online

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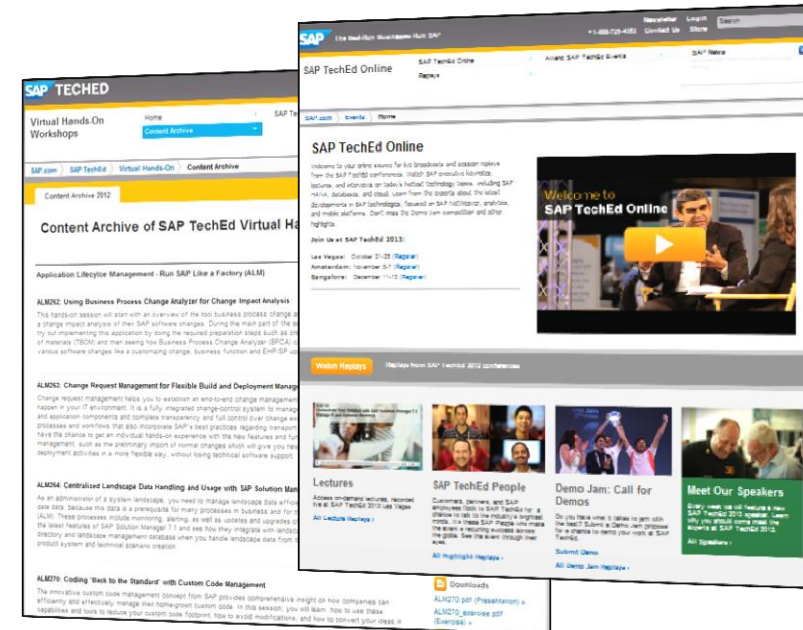
<http://saptechedhandson.sap.com/>



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