SAP Fiori – Architecture overview
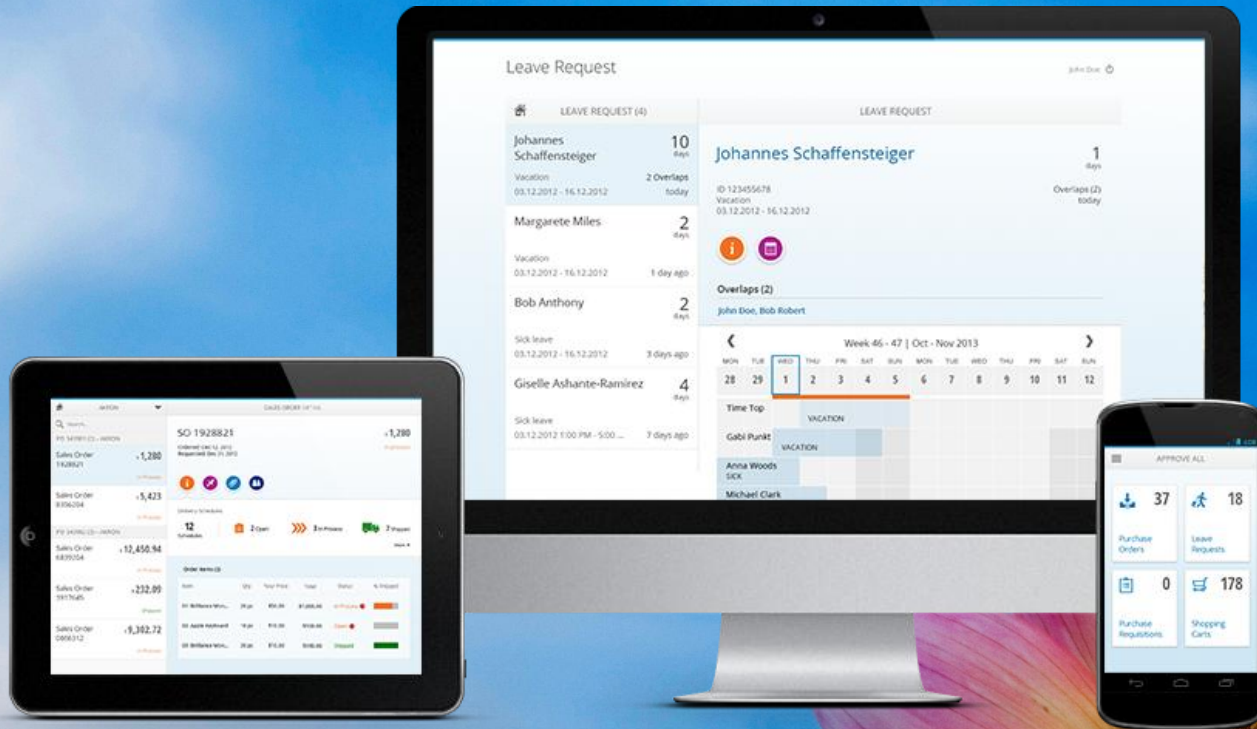
Agenda

- SAP Fiori Architecture overview
- Prerequisites
- SAP Fiori components delivery
- NetWeaver Gateway deployment option
- Typical landscape
- Future plan

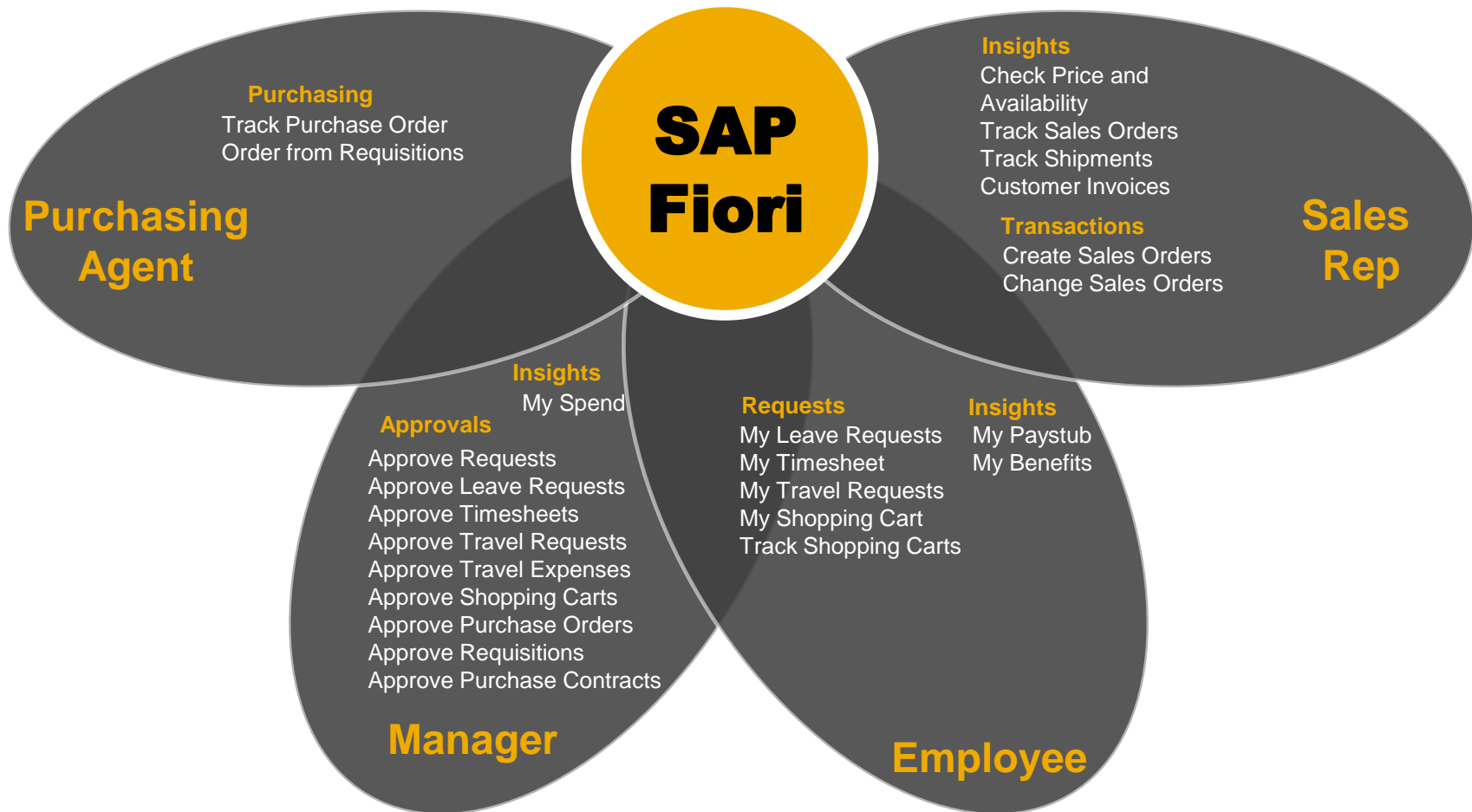# SAP Fiori runs on Desktop, Tablet and Smartphone

Enables our customers to leverage their existing SAP investments by providing instant value for all their employees.
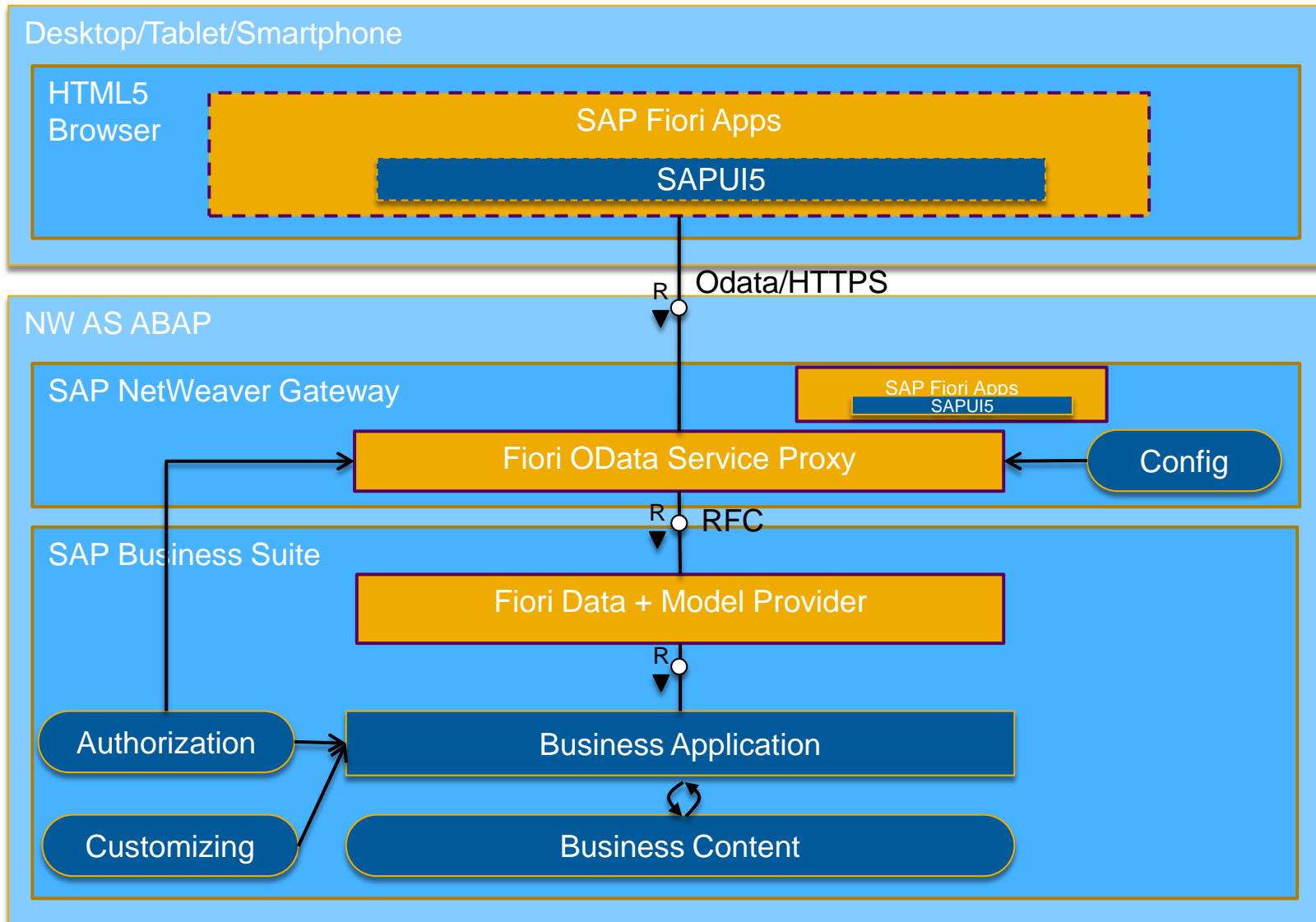
SAP Fiori
First wave of 25 apps

SAP Fiori allows employees to work seamlessly across devices – desktop, tablet, or smartphone. It provides improved user satisfaction and enables quicker approvals and better decisions.
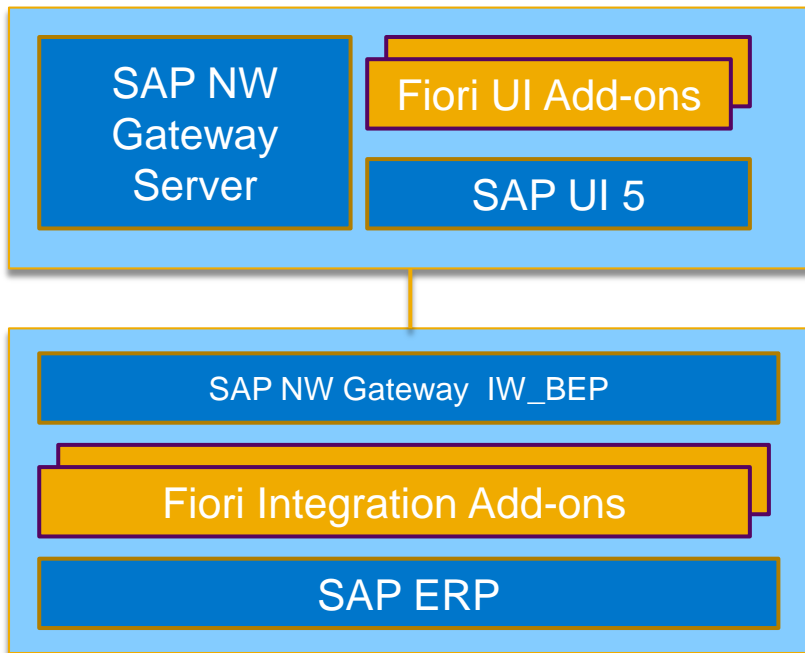
SAP Fiori

Purchasing Agent

Purchasing
Track Purchase Order
Order from Requisitions

Sales Rep

Insights
Check Price and Availability
Track Sales Orders
Track Shipments
Customer Invoices

Transactions
Create Sales Orders
Change Sales Orders

Manager

Insights
My Spend

Approvals
Approve Requests
Approve Leave Requests
Approve Timesheets
Approve Travel Requests
Approve Travel Expenses
Approve Shopping Carts
Approve Purchase Orders
Approve Requisitions
Approve Purchase Contracts

Employee

Requests
My Leave Requests
My Timesheet
My Travel Requests
My Shopping Cart
Track Shopping Carts

Insights
My Paystub
My Benefits

Architecture Overview

Fiori components

Desktop/Tablet/Smartphone

HTML5 Browser

SAP Fiori Apps

SAPUI5

R | Odata/HTTPS

NW AS ABAP

SAP NetWeaver Gateway

SAP Fiori Apps
SAPUI5

Fiori OData Service Proxy

Config

R | RFC

SAP Business Suite

Fiori Data + Model Provider

R

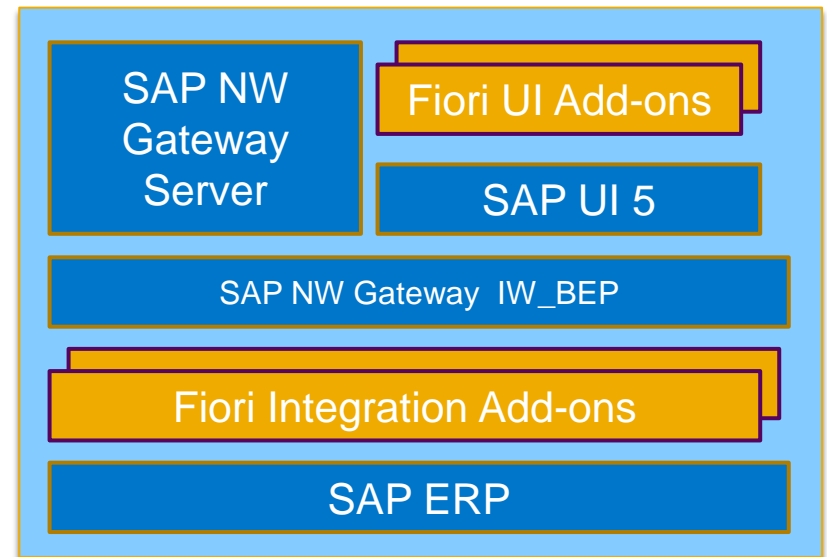Authorization

Customizing

Business Application

Business Content

NetWeaver Gateway deployment options

1) **Central Hub** Deployment of
SAP NetWeaver Gateway

2) **Embedded** Deployment of
SAP NetWeaver Gateway

SAP NW Gateway Server

Fiori UI Add-ons

SAP UI 5

SAP NW Gateway IW_BEP

Fiori Integration Add-ons

SAP ERP

SAP NW Gateway Server

Fiori UI Add-ons

SAP UI 5

SAP NW Gateway IW_BEP

Fiori Integration Add-ons

SAP ERP

Please look at help.sap.com. **Embedded Versus Hub Deployment**

Application delivery – Pair components

1. **UISRA### 100 Fiori apps (UI Add-on)**

   Delivered as non-ABAP add-on on top of SAP NW and SAP UI5 (BSP app)

2. **SRA### 100 OData integration components (integration Add-on)**

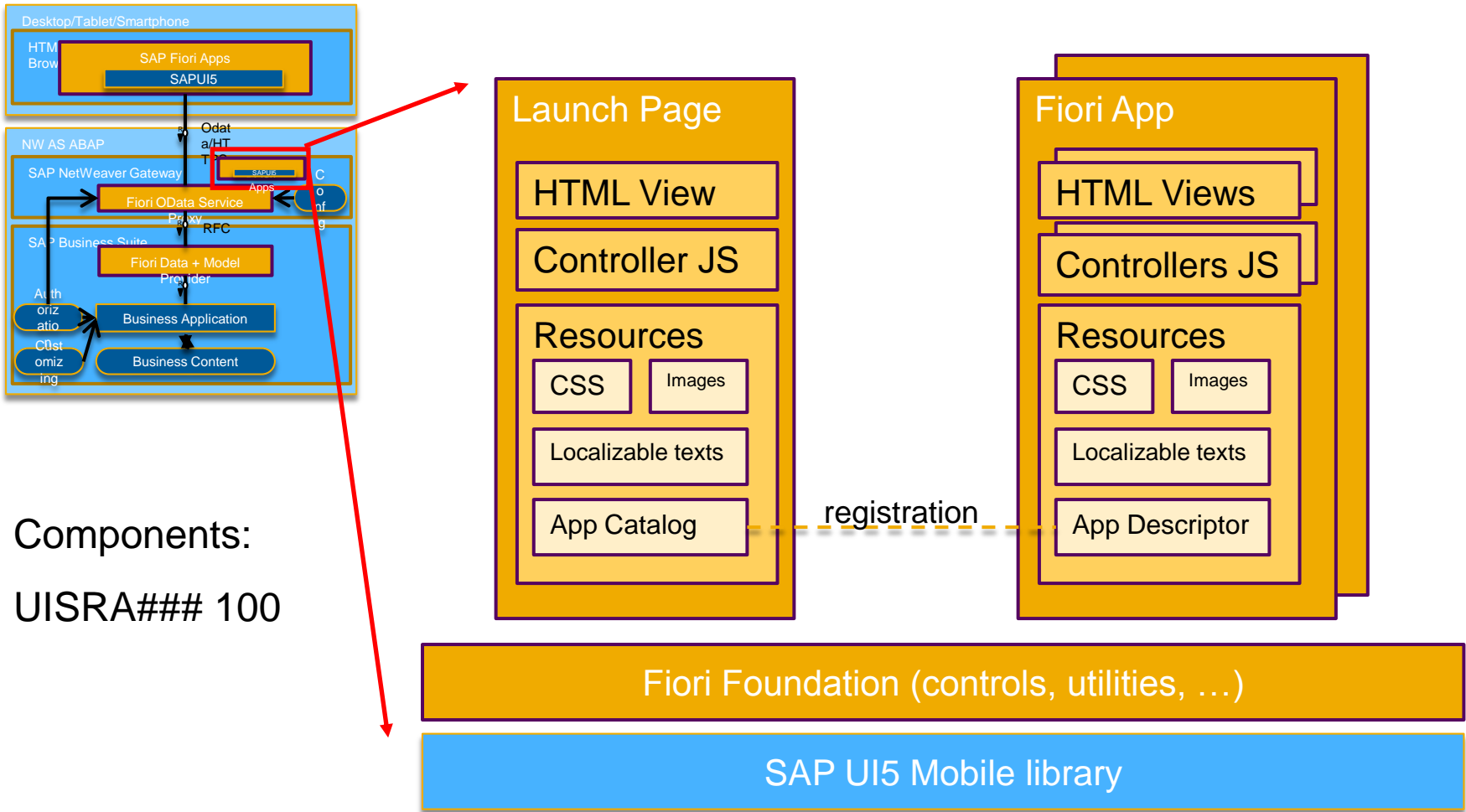   Delivered as non-modifying ABAP add-on on top of SAP Business Suite

DFA PRICECHECK 100

UISRA016 100

SRA016 600

Exception:

Approve Requests – UIGIB001

SAP Fiori Apps UI Add-on detail

Fiori components

Components:

UISRA### 100

Launch Page

- HTML View
- Controller JS
- Resources
  - CSS
  - Images
  - Localizable texts
  - App Catalog

Fiori App

- HTML Views
- Controllers JS
- Resources
  - CSS
  - Images
  - Localizable texts
  - App Descriptor

registration

Fiori Foundation (controls, utilities, …)

SAP UI5 Mobile library

Diagram (left):
- Desktop/Tablet/Smartphone
  - HTML Browser
  - SAP Fiori Apps / SAPUI5
- OData/HTTPS
- NW AS ABAP
  - SAP NetWeaver Gateway
  - SAPUI5 Apps / Config
  - Fiori OData Service Proxy
- RFC
- SAP Business Suite
  - Fiori Data + Model Provider
  - Business Application
  - Business Content
  - Authorization
  - Customizing

Backend integration add-on details

Desktop/Tablet/Smartphone
HTM Brow — SAP Fiori Apps / SAPUI5

NW AS ABAP
Odata/HTTPS
SAP NetWeaver Gateway — SAPUI5 Apps — Config
Fiori OData Service Proxy — RFC

SAP Business Suite
Fiori Data + Model Provider
Authorization
Business Application
Customizing
Business Content

Gateway Runtime — Service Proxy

Fiori oData integration
Data Provider — Model Provider

Classes

BAdI

Dictionary Objects

Function Modules

ERP Module
(Function Modules, Classes, DDIC objects, …)

Components:

SRA### 100

Prerequisites: Minimal stack definition

For details, look at the Installation Guide.

Component	Version	Comments
NW	SAP_BASIS 7.00 SPS21 and above	Prerequisites Notes 1774246, 1799549, 1805986, 1754533, 1809628
ERP	6.0 SPS 15 and above	6.0 SPS 15 and above 6.0 EnhP2 SPS 06 and above 6.0 EnhP3 SPS 05 and above 6.0 EnhP4 SPS 05 and above 6.0 EnhP5 SPS 03 and above 6.0 EnhP6 SPS 01 and above
GW Server GW BEP	GW_CORE 200 SP06 IW_FND 250 SP06 IW_PGW 1.00 SP03 IW_BEP 2.0 SP06	Notes 1799722 + 1805831 JSON - IWFND 2.50 (NW 7.02) SP 04 with SAP Note 1648418 JSON - IWFND 2.40** (NW 7.00 on 7.20 Kernel with SAP Note 1648418
SAPUI5 – Runtime Design time	UISAPUI5 100 SP04 UI_INFRA 100 SP04 UI2_7XX 100 SP04 UI2_FND 100 SP04	SAP UI5 Library v 1.10

Typical Landscape

Mobile Browser (HTML5)

Desktop Browser (HTML5)

Reverse Proxy

SAP Web Dispatcher

SAML 2.0

Gateway 2.0 SP6

IdP

ECC 6.0 SP15
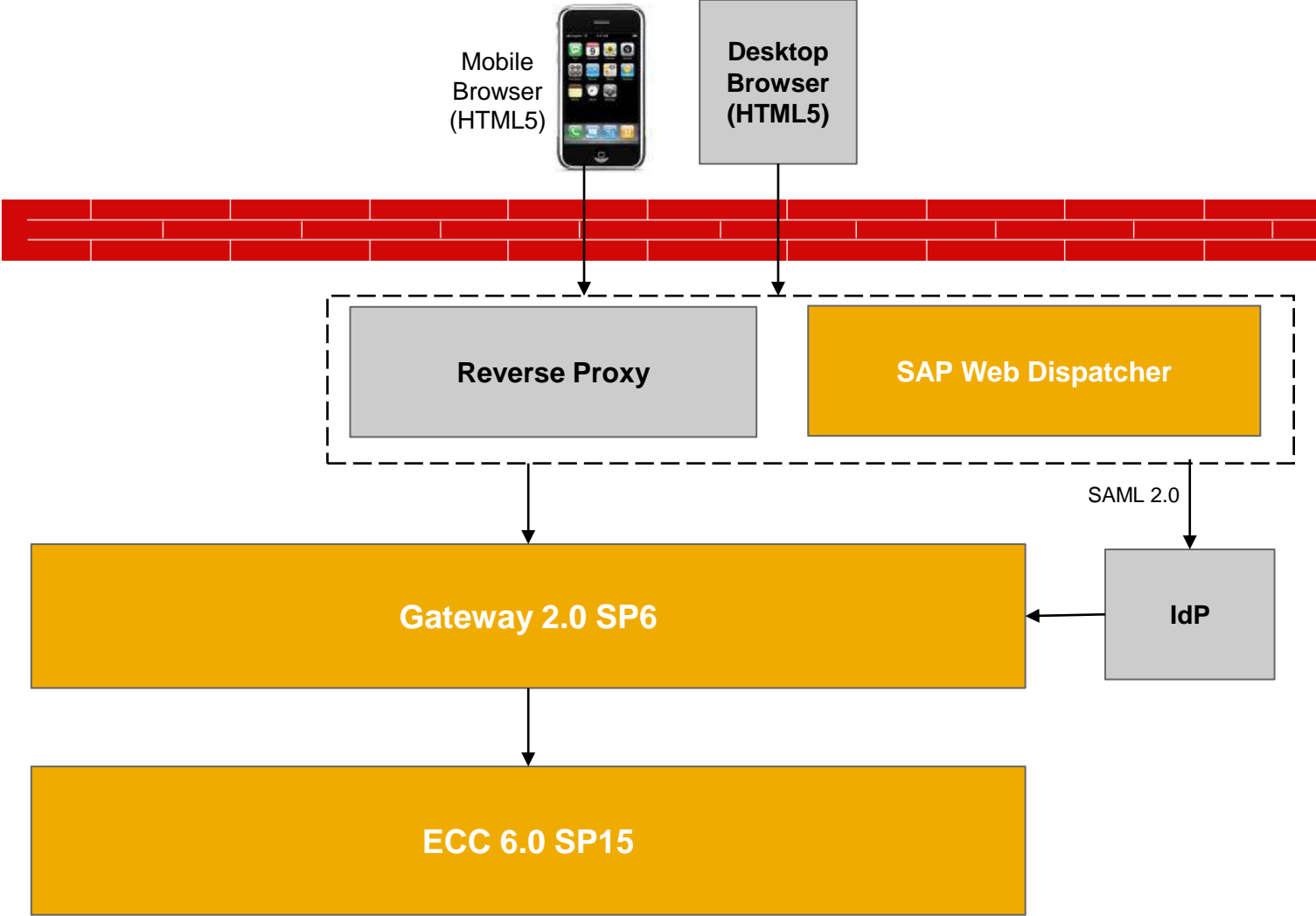
SAP Fiori and SAP Mobile Platform Future Plan

Desktop & Mobile Web Browser (HTML5)

Hybrid Web Container

SAP Mobile Platform*

SAP NetWeaver Gateway

SAP Business Suite
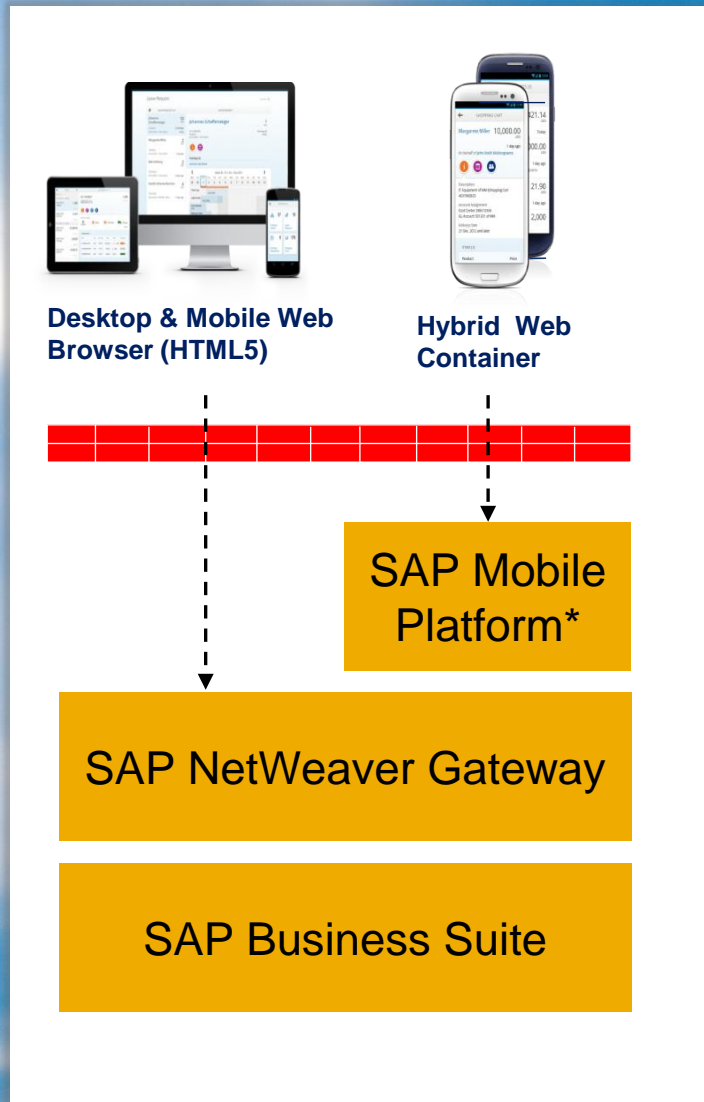
Now: Direct Access via SAP NetWeaver Gateway

*Future Plan: Support for SAP Mobile Platform
- **Hybrid Web Container**
- **Enhanced Mobile Capabilities**
- **Offline Access**

Info Pages: SAP Fiori - Public

- **SAP Fiori - SAP User Experience Community**

- **Marketplace - Apps - SAP Fiori**

- **help.sap.com/Fiori** – Technical docs

- **SAP Community Network (SCN) – SAP Fiori - QA**

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