

iProConference 2015

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Mobile Applications – making them work for SAP[®] HCM

Agenda

- Challenges and opportunities for using mobile apps
- BYOD, MDM and MEAP
- Your options for using mobile apps
- The mobile platform from SAP
- SAP Fiori and UI5
- Use cases for HCM
- Live Demo
- Points to take home

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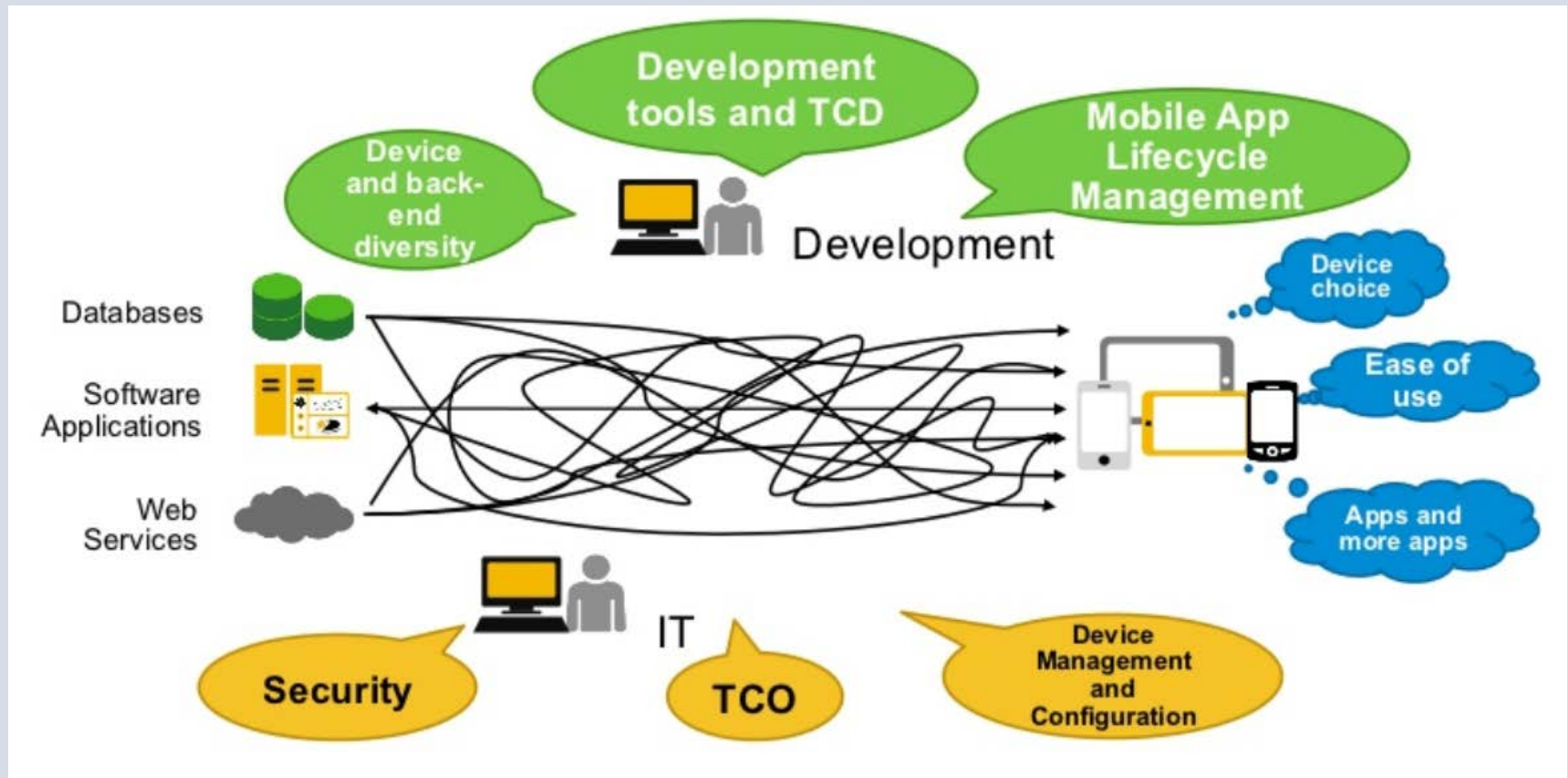
The mobile opportunity

Mobilise business processes

- Reduce costs
- Improve efficiencies
- Improve service
- Meet modern business requirements

It's about leveraging mobile devices, but working within the constraints of the Enterprise

Challenges for using mobile apps



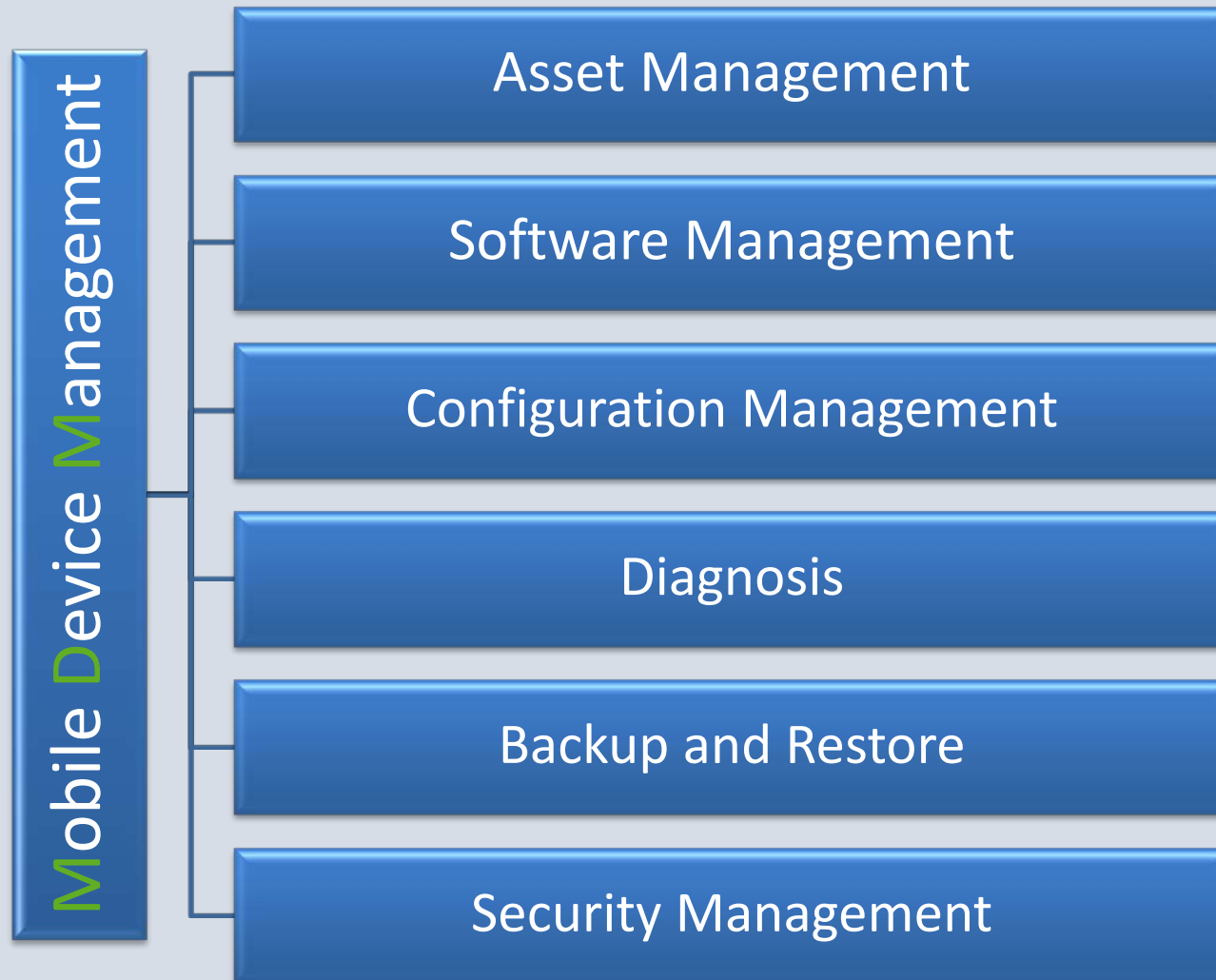
Source: Sybase Unwired Platform - Introduction to Mobility by SAP PartnerEdge program for Application Development on Dec 14, 2012

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BYOD and MDM?





What stands MEAP for?

MEAP means

- Mobile Enterprise Application Platform

a MEAP is

- Comprehensive Suite and Platform with
- products and services that enables
- development and
- operating of applications as well as
- management of devices

Main tasks

- Providing development environment with modelling tools
- Providing of tools for the integration of corporate systems
- Providing of secure communication between backend and app
- Providing of a central management for the mobile devices

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Comparison of the options I

SAP Mobile Platform

Fiori or sim. UI5-Services

Goal

Fast development, distribution and operation of native or hybrid-web-container-apps incl. device management

Mobile provision of the mostly-used app with new user-experience (UX)

What it is

Stable platform for development, distribution and operation as well as management of software and devices

Collection (currently over 400) of usable Apps (Fiori) resp. fast development Platform independent

Architecture

Complex (SUP, Sybase Mobiliser, Afaria, SAP Mobile Technologies, SAP Backend)

Easier (SAP Backend, NetWeaver Gateway, UI5 for NetWeaver)



Comparison of the options II

SAP Mobile Platform

Fiori or sim. UI5-Services

Integration with the SAP Backend

- MBO (Mobile Business Objects)
- OData (Open Data Protocol)

OData

Application Types

- Native Apps
- Hybrid Web Container Apps
- Also usable offline

- Hybrid Web Apps (HTML5, CSS, Javascript)
- Only usable online

Total Cost of Ownership (TCO)/ of Deployment (TCD)

High: complete application incl. server, various programming languages...

Low(er): applications run on all devices, only one-time development

Comparison of the options III

SAP Mobile Platform

Fiori or sim. UI5-Services

Advantages

- Stable development environment with full functionality of a MEAP
- Usable offline
- Contains device management
- Every customer requirement could be realised

- Comparable low TCO and TCD
- Fast usable
- Supports fast development cycles
- Supports all devices without device management

Disadvantages

- High TCO and TCD
- Development complex and costly
- Supports non-SAP-Systems

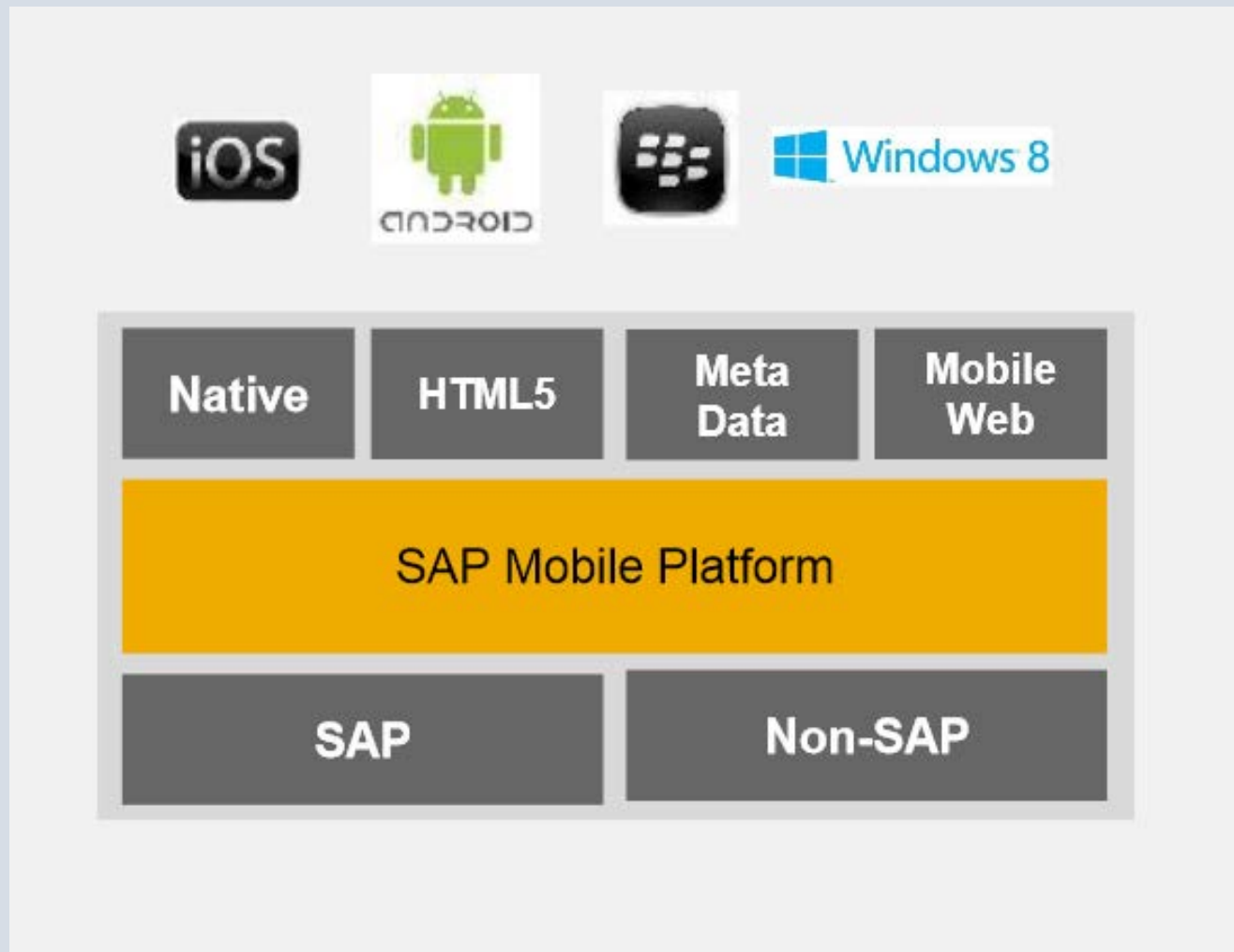
- Not usable offline
- No device management
- Special customer requirements require enhancements or proprietary development

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SAP Mobile Platform 3.0 at a glance



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SAP Fiori - Overview

Collection of currently over 400 apps

- The new UI-Technology for on-premise AND the cloud
- Expandable
- Several services for HCM available

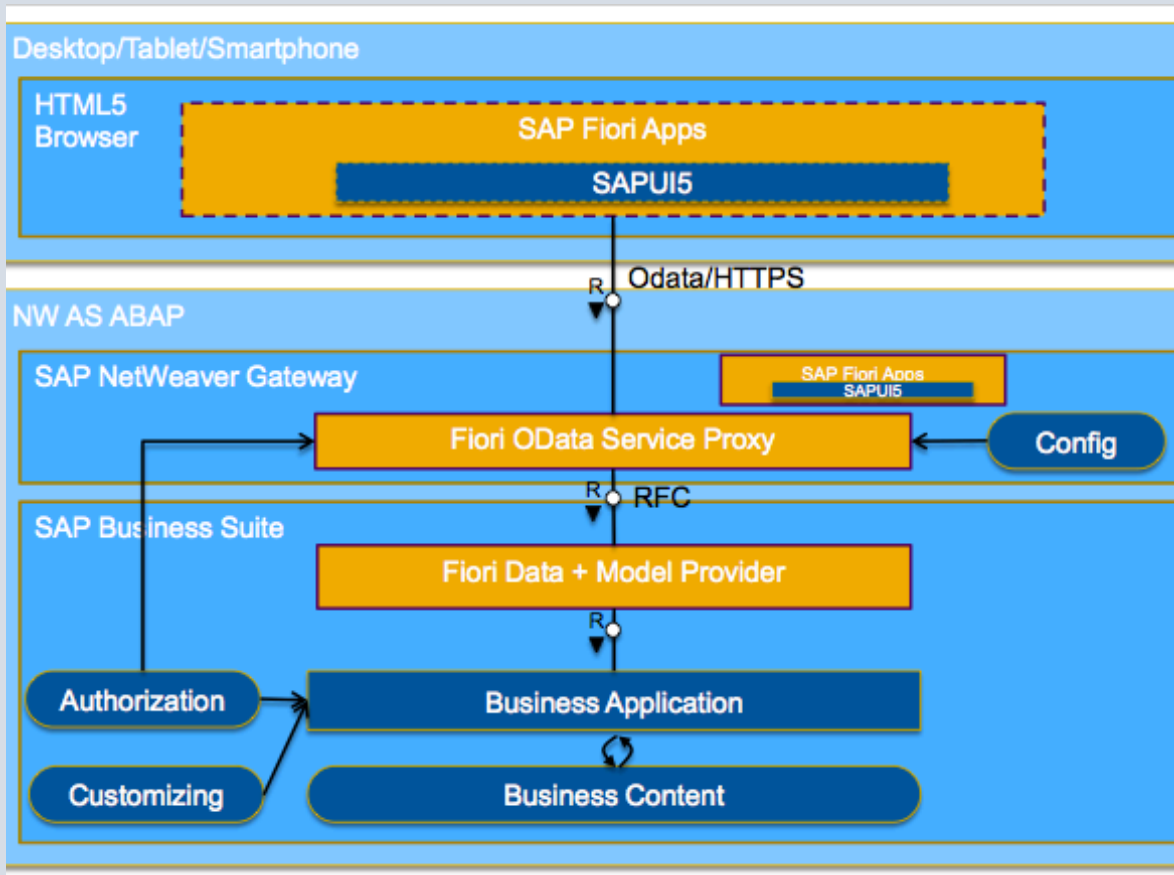
Works on any device

- Smartphone
- Tablet
- Desktop

Free for SAP-Customers

- No licence costs
- Only configuration is needed

SAP Fiori – Architecture and Skills



UI Tools

- Branding: Theme Editor
- Skills: HTML5/CSS

SAP NetWeaver Gateway

- Add-on Installation (beginning with NW 7.40 GW is included)

Skills:

- Gateway-Services
- ABAP
- NetWeaver Technology

Backend

- ECC 6.0 FI/MM
- ECC 6.0 HCM
- SRM 7.0
- Skills:

- Basis
- Module
- Workflow

Simple custom UI5 app example

The output of a standard SAP function module can be sent to an UI5 app, so any changes to the back-end will automatically be reflected in the app.

SNAME	ACTIVITY	ACT_LONG
BOND JAMES	Birthday; Work Schedule:STD-WK	Birthday; Work Schedule:STD-WK
MARKER RENKUS	Work Schedule:STD-WK	Work Schedule:STD-WK
SVINGLING REN	Work Schedule:STD-WK	Work Schedule:STD-WK
UK EMP STEVES	Work Schedule:40-WK	Work Schedule:40-WK
WHITE WALT	Paternity27.04-08.05	Paternity27.04-08.05; Work Schedule:20-WK



Name	Activity
BOND JAMES	Birthday; Work Schedule:STD-WK
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Use cases for HCM

SAP Fiori or other UI5 Services

- Leave Request (Version 1 and 2), team calendar & approval
- Timesheet(CATS) & approval (Version 1 and 2)
- Payslip
- Travel request, expenses & approval
- Fiori Homepage

Native Apps (iPhone, more for iPad and other devices)

- Employee Lookup
- HR Approvals
- Leave request
- Timesheet (CATS)
- Travel Receipt Capture
- Travel Expense Approval
- Travel Expense Reporting

Live
Demo

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Key Points to Take Away...

- Mobility becomes more and more mainstream
- Customers have several options for going Mobile
- Fiori Services can be quickly configured and used without license costs
- Fiori Services can also be developed within the HANA Cloud Platform (HCP)
- Fiori is the new common UX, also for cloud solutions
- Infrastructure & technologies are challenging
- Don't forget security issues!
- SAP offer a full MEAP with SMP 3.0

Useful Sources

- Fiori Business Suite: http://help.sap.com/fiori_bs2013
- What's new in SAP Fiori:
http://help.sap.com/fiori_bs2013/helpdata/en/9c/106a53e744e047e10000000a441470/frameset.htm
- Step by Step: How to Configure Fiori Launchpad & Deploy Custom SAPUI5 App:
<http://scn.sap.com/docs/DOC-61115>
- New Fiori Apps for HCM:
<http://scn.sap.com/community/erp/hcm/blog/2015/02/04/new-fiori-apps-for-hcm>
- Release Information Note SAP Fiori for SAP ERP HCM 1.0:
<http://service.sap.com/sap/support/notes/2112483>
- Overview about Installation Tasks for Fiori HCM Apps:
http://help.sap.com/fiori_bs2013/helpdata/en/4c/398c5477e1c364e10000000a44176d/content.htm?current_toc=/en/57/758f546185ed57e10000000a423f68/plain.htm&show_children=true
- Release Information Note for Approve Leave Requests:
<http://service.sap.com/sap/support/notes/2112488>
- Release Information Note für Approve Timesheets:
<http://service.sap.com/sap/support/notes/2112486>
- Release Note UI for EhP7: <http://service.sap.com/sap/support/notes/1914499>

Questions?



innovative process consulting

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