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# Extend Your Line-of-Business Cloud Solutions to Reach Mobile Users

Mark Wright, Director Digital Workplace, SAP  
Session ID 84164

# About the Speakers

## Mark Wright

- Director for Digital Workplace, SAP
- Worked for SAP in the mobility space for 15+ years focused on customer adoption and success for the past several years.
- I am a Native Idahoan who graduated from Boise State University, and yes, the Football field is Blue!

# Agenda

- What is a Microapp?
- SAP Tools for Extending Cloud Solutions for Mobile
- Demo
- Summary
- Q&A

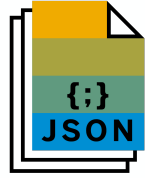
# What is a microapp

“Simplicity is the ultimate sophistication” – Leonardo da Vinci.

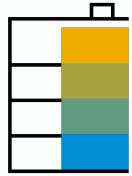
If simple is better, then microapps are in fashion. Microapps are far removed from large mobile apps that mirror full websites and desktop applications. They are **small, specific, and highly targeted to a function or a process** the user frequently wants. Microapps **save time** and create **efficiencies** by reducing the need to open and navigate large websites or larger desktop apps. They deliver **precise functionality** and present it **simply** so a function can be processed **quickly & easily**.



# Microapps



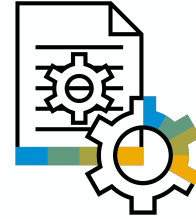
Typically built using  
HTML/JS development



Not usually hosted  
on an Appstore



Subscribe/Unsubscribe,  
Ad-hoc installation



Low-code development tools



Easy to interpret development  
layouts to make development  
quick and easy

# What do Microapps do for you



Higher Adoption



Drive employee engagement and productivity



Deliver personalized experiences

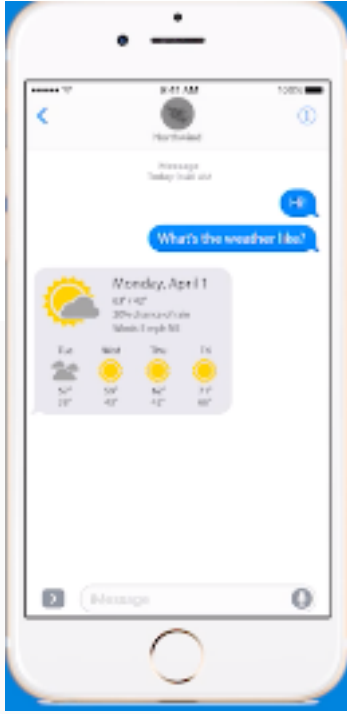
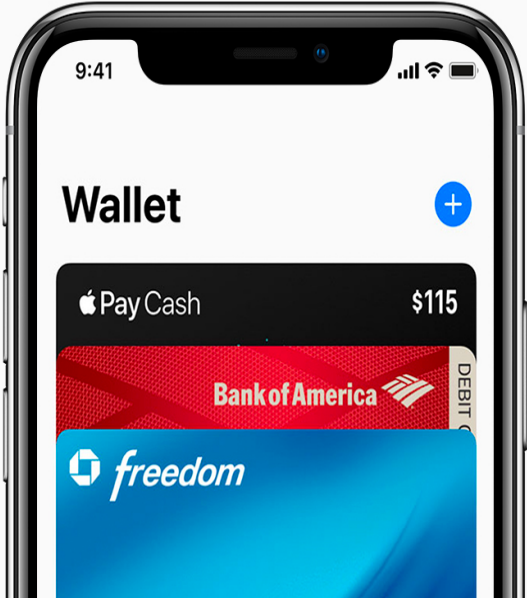
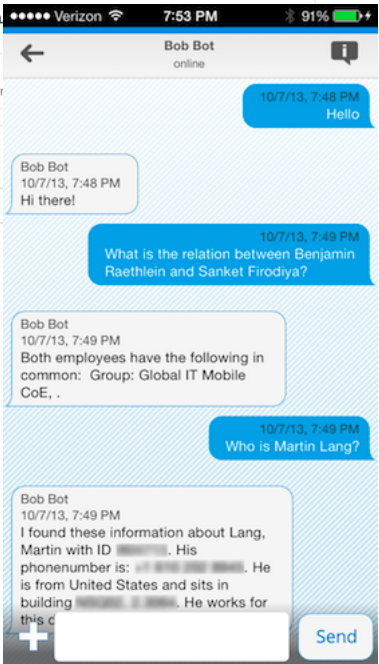
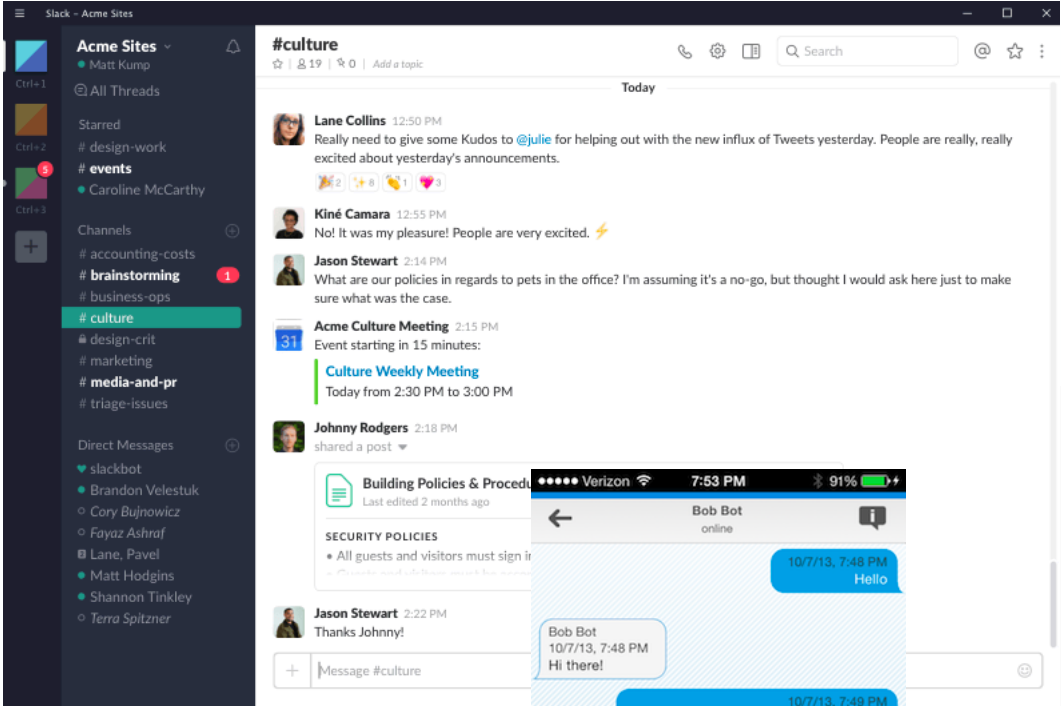


Help employees make better (and faster) decisions



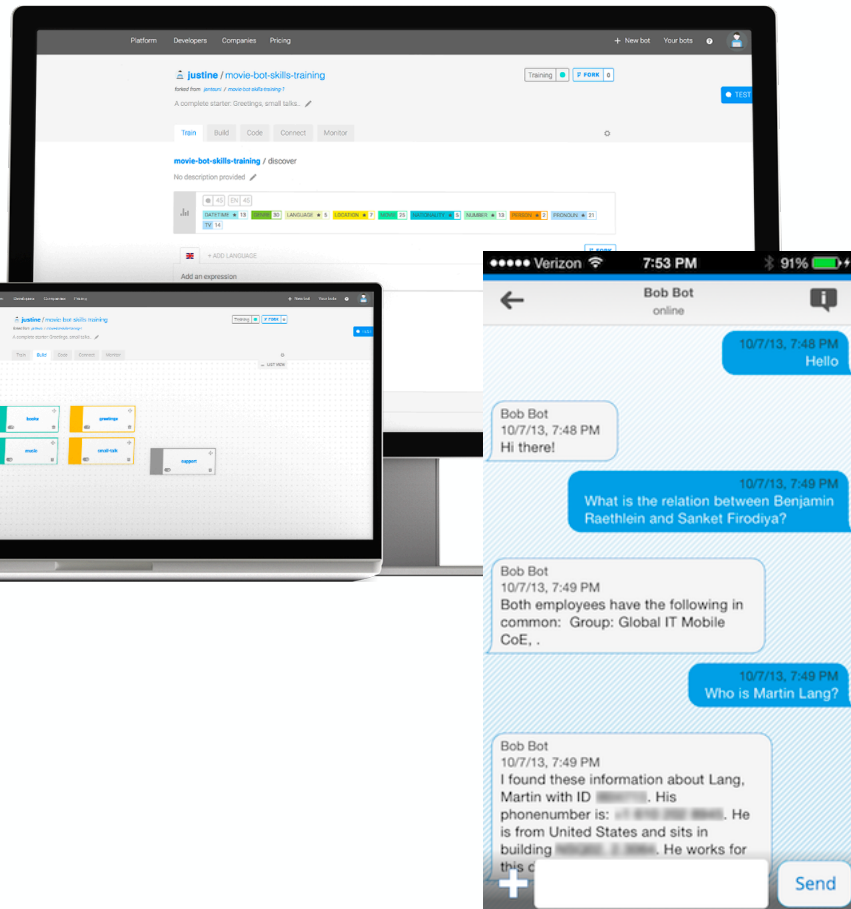
Addresses many technical issues

# You've probably already been using Microapps

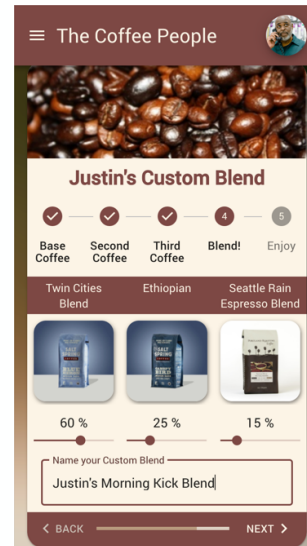


# SAP Provides Different Approaches

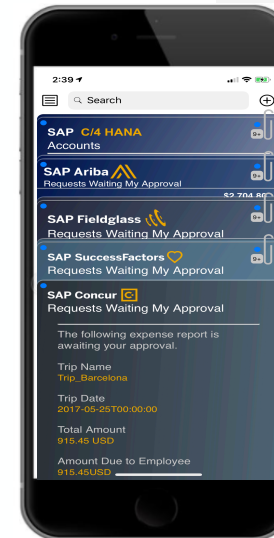
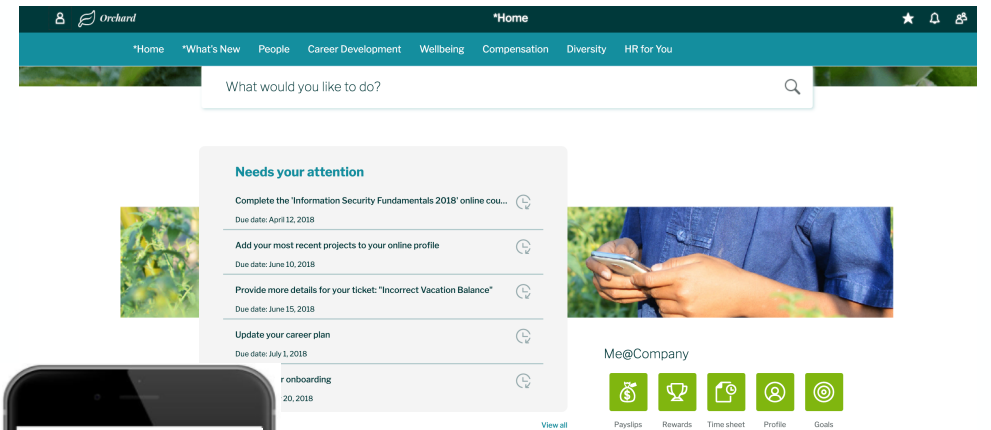
## Conversation AI (BOTS)



## PWA

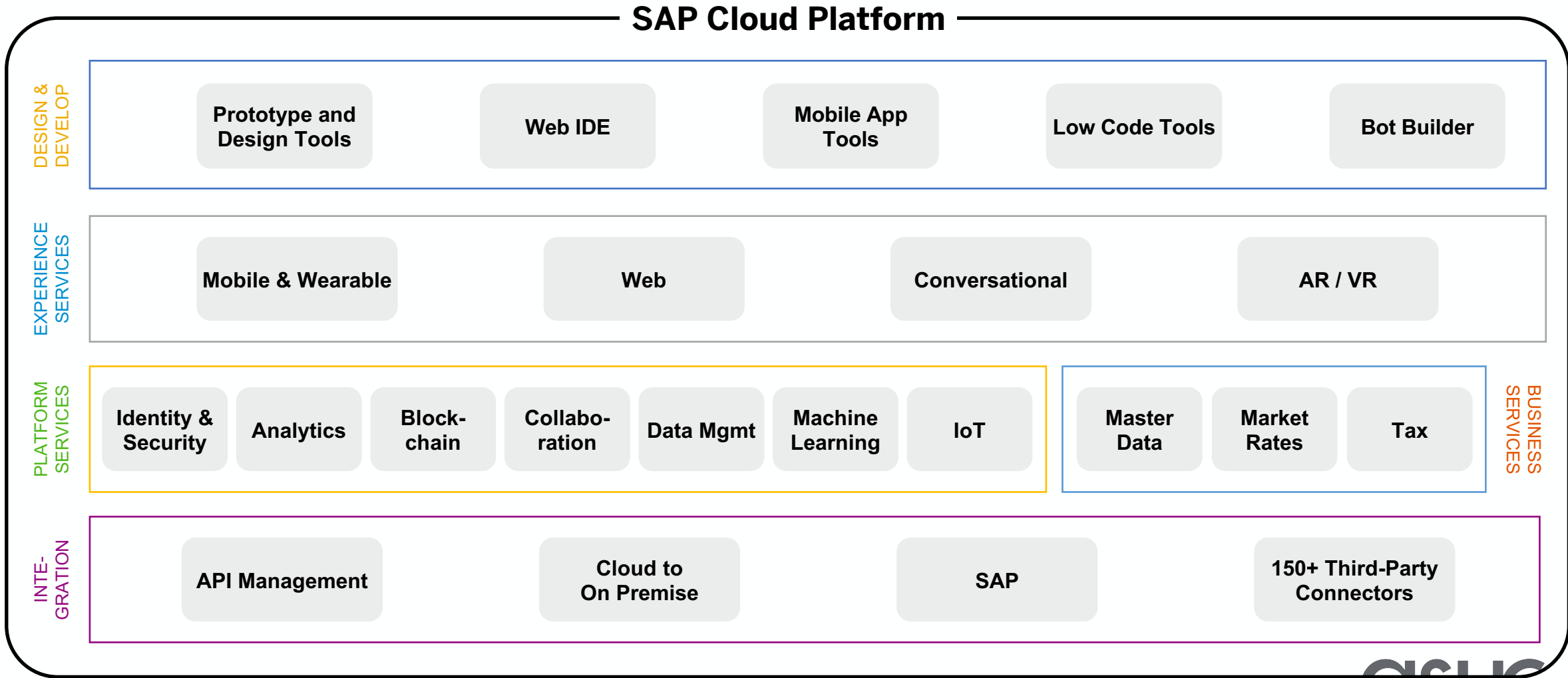


## Portal

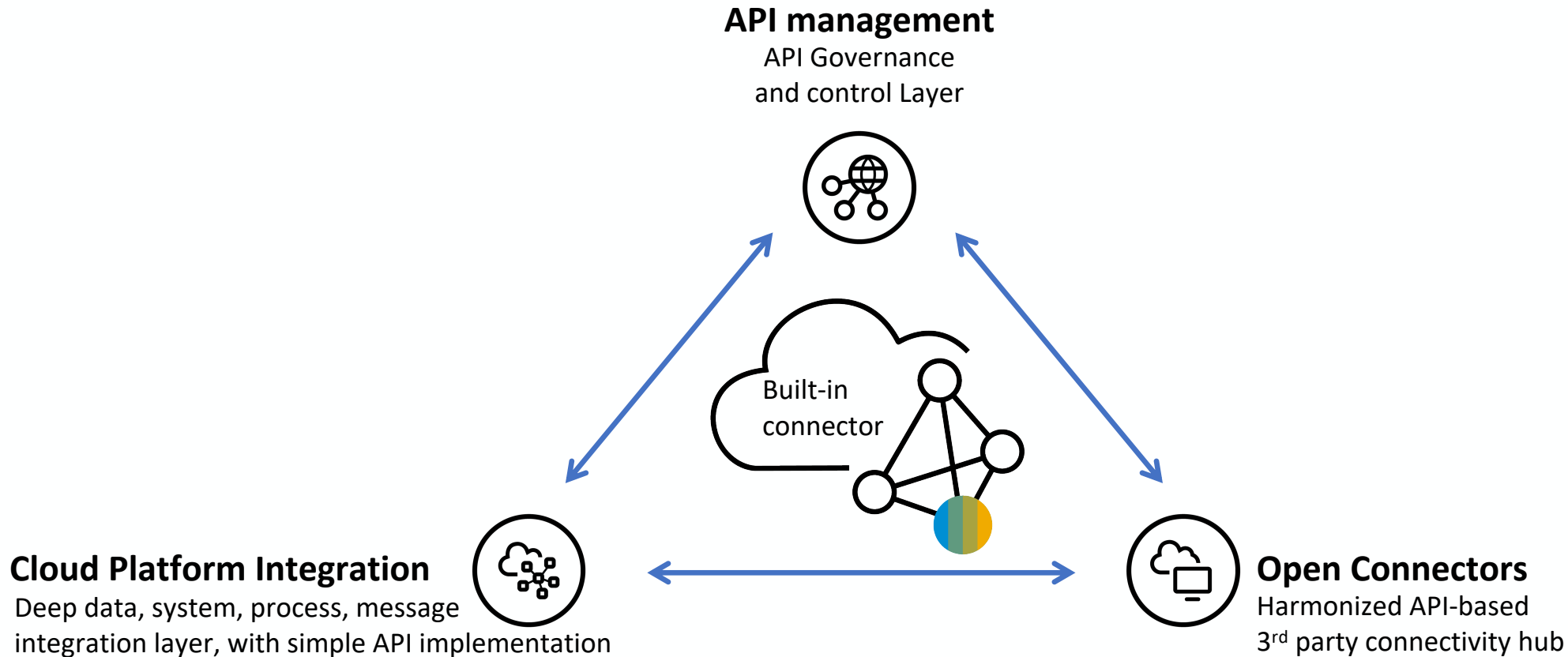


## Mobile Cards

# Extending LOB Solutions with SAP Cloud Platform

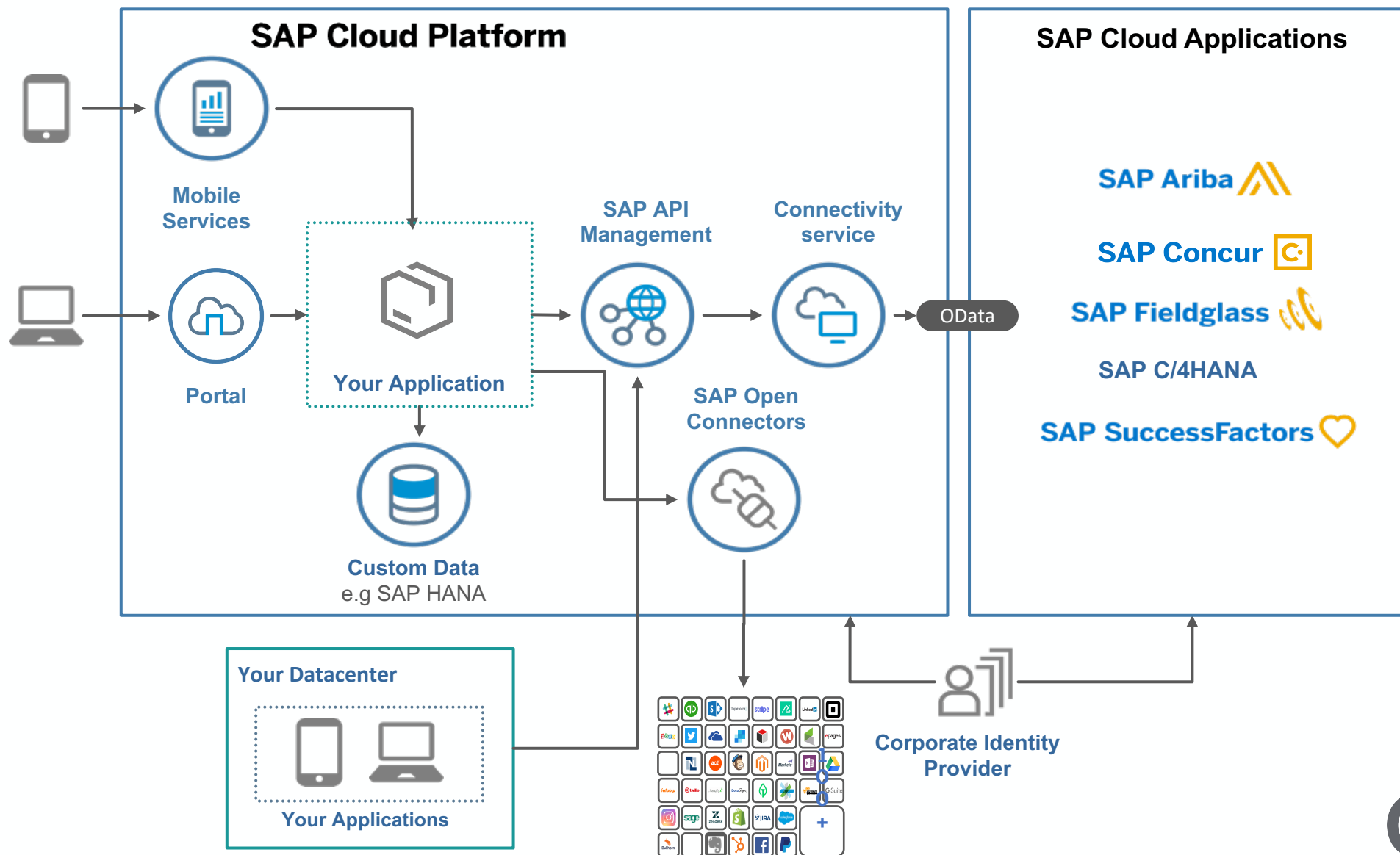


# Integration and backend Services



**NEW** — Built-in connector between SAP Open Connectors, API Management & Cloud Platform Integration

# Extend SAP Cloud Applications





# Combining Experience Data with Operational Data (X+O)

## EASY & INTUITIVE ACCESS

- Search
- Role based, structured navigation
- Homepages

## WORKFLOW

- Initiate / return
- Full process view

## NOTIFICATIONS

- Multi-channel notification (Web, mobile, e-mail,...)
- Reminders

## AI and Machine Learning

- Recommendation engine
- Targeted content

## Integration

- SAP & 3<sup>rd</sup> Party Apps
- Content Providers

The screenshot shows the ASUG employee experience dashboard for a user named Geoff. The dashboard is titled 'Welcome, Geoff!' and shows the date 'March 7th, 13:24'. It features a navigation bar with links for Home, What's New, People, Career Development, Wellbeing, Compensation, Diversity, and HR for You. The main content area is divided into several sections: 'What's on the Agenda' for today, 'What's happening today?' with a daily schedule, 'Paylips', 'Profile', 'Time Sheet', and 'Goals'. There are also sections for 'News & Announcements' and 'Congratulations' with personalized messages and images.

## EXPERIENCE

- Branding
- Multi-channel consumption
- Seamless experience across systems
- Single sign-on
- Employee Profile

## USER INTERACTION

- Case Management
- Feedback
- Conversational
- Business & end user content creation

## CONTENT

- Document sharing
- Content Management
- Forms, Wiki

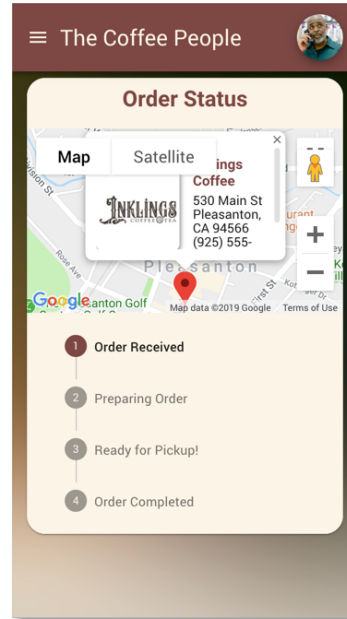
## SETUP

- Pre-built employee experience
- Automatic onboarding

# Progressive Web Applications

## Benefits of PWA's

- App experience without app-store download
- Improved SEO
- Simplified deployment
- Faster app load compared to standard web app
- HTML5 / JAMStack



## SAP UI5 Web Components

### Enterprise Grade

OpenUI5 follows open standards and includes powerful development concepts, efficient tools, as well as a rich set of UI controls.

### Responsive on All Devices

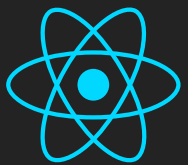
No need to worry about device specifics! UI5 apps and controls run on smartphones, tablets and desktop browsers.

### Free and Open Source

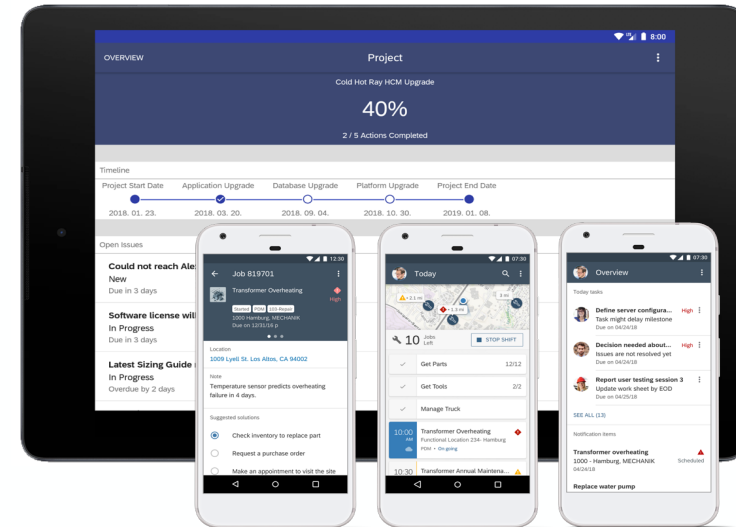
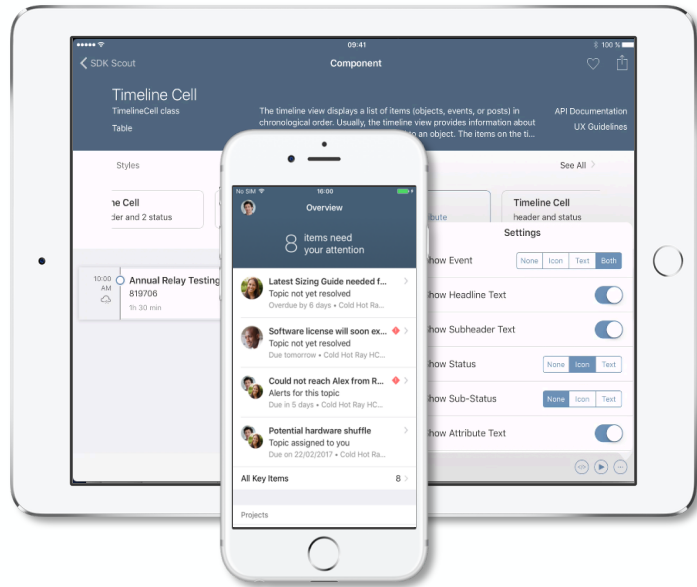
OpenUI5 is a JavaScript UI Framework released by SAP under the Apache 2.0 license. It's open for contributions and feedback!



## UI5 Web Components



# Native and Cross-Platform Mobile Apps



# SAP Mobile Cards

## Benefits

Reduce costs by mobilizing data in familiar Wallet style apps without development

Maximizes time to value with prebuilt content from SAP S/4HANA Fiori Launchpad

Share only the information users need, eliminating navigation across systems

Provide additional channel to access content that's most important to users

Scale quickly with new content with minimal coding to no coding

## Capabilities

Provides instant content, context, availability with always available cards

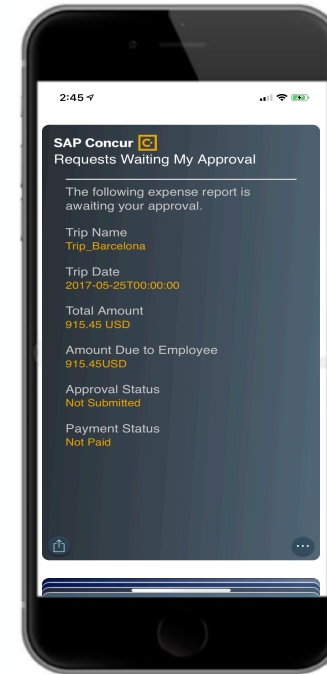
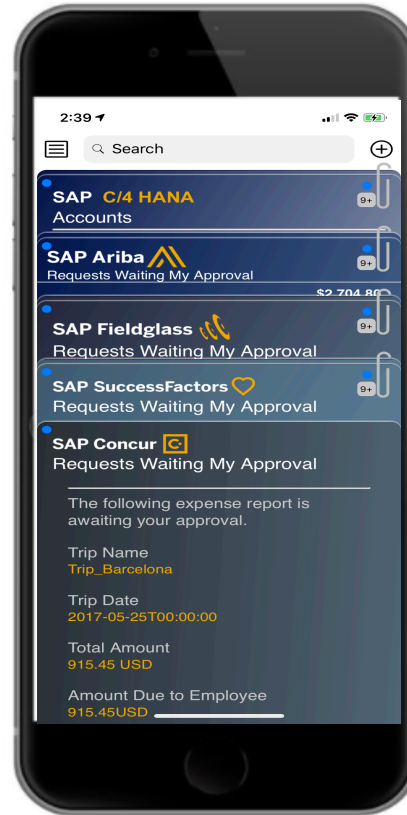
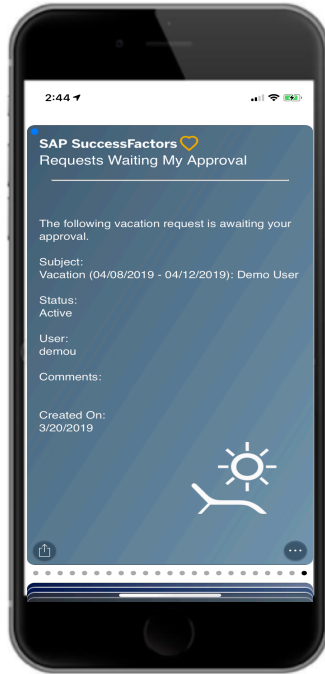
Push updates, subscriptions, user selected content cards

Create content cards for SuccessFactors, FieldGlass, Ariba, etc. with low code.

Deploy content from Smart Template apps. No coding required

Full offline availability with background updates

Phone integration for maps, location, email, SMS, and voice calling, Apple Watch



My Inbox

Outbound, error handling with IDoc

All Tasks (100)

Search

Could not determine recipients for message type MATFET

PROUD-FIN Status: Ready Priority: Medium

Created on Mar 25, 2019, 12:32 PM

An error occurred during outbound processing of an IDoc. If you execute the work item, the current status of this IDoc is displayed. Here you can obtain additional information regarding the error. Depending on the error, further processing of the IDoc is possible.

Could not determine recipients for message type MATFET

PROUD-FIN Status: Ready Priority: Medium

Created on Mar 25, 2019, 12:32 PM

An error occurred during outbound processing of an IDoc. If you execute the work item, the current status of this IDoc is displayed. Here you can obtain additional information regarding the error. Depending on the error, further processing of the IDoc is possible.

Please release purchase requisition 10000439

SAP\_WFRT Medium

User Decision Invoice 5100002421 Fiscal Year 2017

SAP\_SYSTEM Medium

User Decision Invoice 5100002376 Fiscal Year 2017

SAP\_SYSTEM Medium

User Decision Invoice

Ariba Supply Chain Collaboration

HOME INBOX OUTBOX QUALITY PLANNING CATALOGS ENABLEMENT TASKS REPORTS UPLOAD/DOWNLOAD MESSAGES CSV Documents Create

Orders and Releases All Customers Order Number

Purchase Order by Volume

70 56 42 28 14 0

26 Mar 2019 27 Mar 2019 28 Mar 2019 29 Mar

SAP Fieldglass Beta Mode

Time Sheet BPTS01161787

Period: 01/07/2018 to 07/07/2018 Status: Pending Approval

Approve Reject View Budget

Time Worked

Day	1/7 Sun	2/7 Mon	3/7 Tue	4/7 Wed	5/7 Thu	6/7 Fri	7/7 Sat	Total
Billable								
AGILE OPERATIONS SUP (0946,3300005641,CC) - Billable (Bill) - Flex								
ST Hrs	-	7.00	8.00	8.00	8.00	8.00	-	39.00
Total	0.00	7.00	8.00	8.00	8.00	8.00	0.00	39.00

Accounting (GBP)

Rates	Rate	Quantity	Days	Amount (GBP)

SAP Concur Expense Approvals Reporting App Center

Hello, User

Administration Help

Profile

07 Open Reports

00 Required Approvals

00 Available Expenses

07 Open Reports

ALERTS

You haven't signed up to receive e-receipts. Sign up here

MY TASKS

00 Required Approvals

Great! You currently have no approvals.

BestRun Home Ask HR

My Workflow Requests (6)

Select 3 out of 6

Employee Time for Demo User

Administrative Support(50070968), San Diego BestRun(10000), Advertising(10000\_MKT1), Products(PRODS), Research & Development(RES\_DEV), Market Research(5000131)

Employee Time for Demo User

Administrative Support(50070968), San Diego BestRun(10000), Advertising(10000\_MKT1), Products(PRODS), Research & Development(RES\_DEV), Market Research(5000131)

Employee Time for Demo User

Administrative Support(50070968), San Diego BestRun(10000), Advertising(10000\_MKT1), Products(PRODS), Research & Development(RES\_DEV), Market Research(5000131)

Request for Employment Letter for Juana Yap

HR Professional(50029122), US Bank BestRun Bank(B200), Retail Products(R3001321), Corporate(CORP), Executive Office(EXEC), Leadership Team BestRun(300)

HR Counseling History for Charles Braun

Executive Management(50071000), Corporate - US-Atlanta BestRun Company(1710), BestRun HR(US10\_M6), Corporate(CORP), Corporate Services(CORP\_SVCS), Global Human Resources(50007726)

Request for Employment Letter for Charles Braun

Executive Management(50071000), Corporate - US-Atlanta BestRun Company(1710), BestRun HR(US10\_M6), Corporate(CORP), Corporate Services(CORP\_SVCS), Global Human Resources(50007726)

Orders, Invoices and Payments

97 98 Orders to Confirm

Home View Create Analytics

Go to List: Time Sheet

Time Sheet BPTS01161787

Period: 01/07/2018 to 07/07/2018 Status: Pending Approval

Approve Reject View Budget

Time Worked

Day	1/7 Sun	2/7 Mon	3/7 Tue	4/7 Wed	5/7 Thu	6/7 Fri	7/7 Sat	Total
Billable								
AGILE OPERATIONS SUP (0946,3300005641,CC) - Billable (Bill) - Flex								
ST Hrs	-	7.00	8.00	8.00	8.00	8.00	-	39.00
Total	0.00	7.00	8.00	8.00	8.00	8.00	0.00	39.00

Accounting (GBP)

Rates	Rate	Quantity	Days	Amount (GBP)

Feed Customers Sales Sales Campaign People Activities Analysis Competitors Library Products Activity Planner Partners Surveys

Feed

Post an Update ...

All Updates

Visit Company Leadership Change: Status updated to Completed by Kate Jacob.

19.09.2018 at 19:06:44

Visit Visit PC Gym Store #024: Created by Kate Jacob.

19.09.2018 at 19:04:18

Visit Visit PC Gym Store #452: Created by Kate Jacob.

18.09.2018 at 21:50:56

Visit PC Gym Visit Facility #376: Status updated to Completed by Kate Jacob.

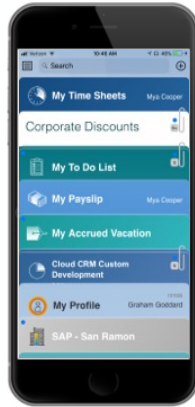
18.09.2018 at 21:50:22

Appointment Visit Ty: Created by Kate Jacob.



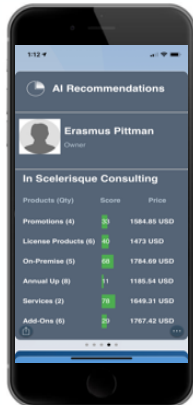


# Line-of-Business Mobile Card Templates

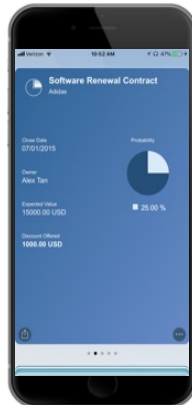


## SAP SuccessFactors People Engagement

- My Vacation
- My Time Sheets
- My To Do
- My Pay Check
- My Profile
- My Direct Reports

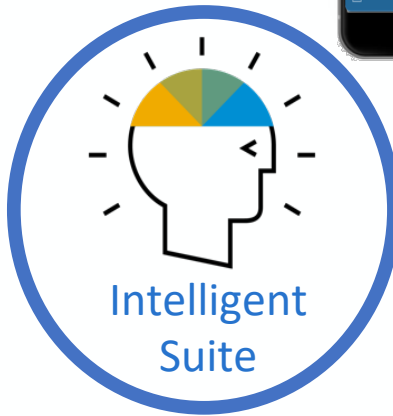


## SAP Callidus AI Recommendations



## SAP C/4HANA Customer Experience

- Sales Manager Deal Approval
- Upcoming Customer Visits



Intelligent Suite

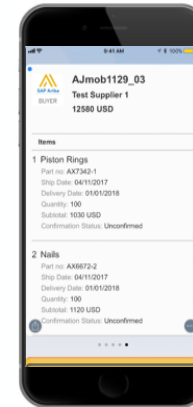
## SAP S/4HANA Digital Core

- Unified inbox
- Overview Cards from Dashboard



## SAP Ariba Network & Spend Management

- My Purchase Orders
- My Purchase Order Exceptions



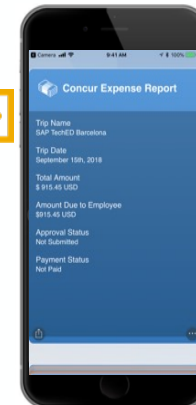
## SAP Fieldglass Timesheet & Job Posting Approval

- Timesheet & Job Posting Approval



## SAP Concur Approve Expense Report

- Approve Expense Report



# Demo

The screenshot displays a mobile application interface for SAP SuccessFactors. A notification card is overlaid on the screen, titled "SAP SuccessFactors Requests Waiting My Approval". The card contains the following information:

- Title:** SAP SuccessFactors Requests Waiting My Approval
- Message:** The following vacation request is awaiting your approval.
- Subject:** Vacation (04/08/2019 - 04/12/2019): Demo User
- Status:** Active
- User:** demou
- Comments:**
- Created On:** 3/20/2019

The background shows a web browser displaying the "My Workflow Requests (6)" page. The page lists several requests, including three "Employee Time for Demo User" requests and two "Request for Employment Letter" requests. Each request entry includes a checkbox, a profile picture, and a brief description of the request.

[https://sap-my.sharepoint.com/:v/p/mark\\_wright/EQSi\\_7xYyY9Mpf2YTHxPR-sBSO-k1iThrYpU4m9zOHc3\\_g?e=acIO6G](https://sap-my.sharepoint.com/:v/p/mark_wright/EQSi_7xYyY9Mpf2YTHxPR-sBSO-k1iThrYpU4m9zOHc3_g?e=acIO6G)



# Demo

**CARGO** Home

Home What's New People Career Development Wellbeing Compensation Diversity HR for You

## Welcome, Geoff!

March 20th, 13:24

What would you like to do?

### What's on the Agenda

For today

- Complete the 'Information Security Fundamentals 2019' online course  
Due date: May 12, 2019
- Add your most recent projects to your online profile  
Due date: May 10, 2019
- Provide more details for your ticket: "Incorrect Vacation Balance"  
Due date: May 13, 2019
- Update your career plan  
Due date: July 1, 2019
- Peer to peer onboarding  
Due date: July 30, 2019

### What's happening today?

Daily schedule

- Call Robotech for assembly advice  
Online Meeting  
12:00 - 12:30
- Implementing SAP central launchpad  
Video Conference  
12:00 - 12:00
- Lunch break  
12:00 - 12:30
- Weekly Sync: Team Meeting  
Meeting in boardroom  
12:00 - 12:30

Paylips Profile

Time Sheet Goals

### News & Announcements

See All

- Explore our new career opportunities  
Our ongoing success depends upon a skilled, satisfied and valued work force just like you. We are commi...  
3 days ago - 4:37 view
- 20 Things you Probably Forgot to Recycle  
How many times have you thrown something in the trash, just to find out later that it was actually recyc...  
2 hours ago - 87 view

### Congratulations

See All

- Faith Marshall  
Happy Birthday!  
Congratulate
- Rachel Gao  
Happy 7th anniversary!  
Congratulate
- Ben Shervin  
Happy 3rd anniversary!  
Congratulate

[https://sap-my.sharepoint.com/:v/p/mark\\_wright/ERIRVIXqbD9CvlezgDlwZr8Bt55qhT5d8VLd6EyzvTNkJA?e=PCglXv](https://sap-my.sharepoint.com/:v/p/mark_wright/ERIRVIXqbD9CvlezgDlwZr8Bt55qhT5d8VLd6EyzvTNkJA?e=PCglXv)

# SUMMARY

# Why Microapps are relevant across SAP Intelligent Enterprise

Because of their **simple nature & low cost development**, microapps help companies maximize time to value. Companies can **quickly build** dozens of microapps to create processing and functional **efficiencies** across a wide variety of use cases in the SAP Intelligent Enterprise. Microapps help SAP customers **“Run Faster”** by providing users **quick & easy** access to valuable targeted information **wherever** they may be.

# Take the Session Survey.

We want to hear from you! Be sure to complete the session evaluation on the SAPPHIRE NOW and ASUG Annual Conference mobile app.



# Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

<http://info.asug.com/2019-ac-slides>

# Q&A

For questions after this session, contact me at [mark.wright@sap.com](mailto:mark.wright@sap.com).

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