



Reimagine the Mobile Enterprise: Zero to Mobile in 60 Minutes

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PUBLIC

SAP Cloud Platform Mobile Services Overview

App Development Tools and SDKs

Customer success – Murphy Oil Corporation

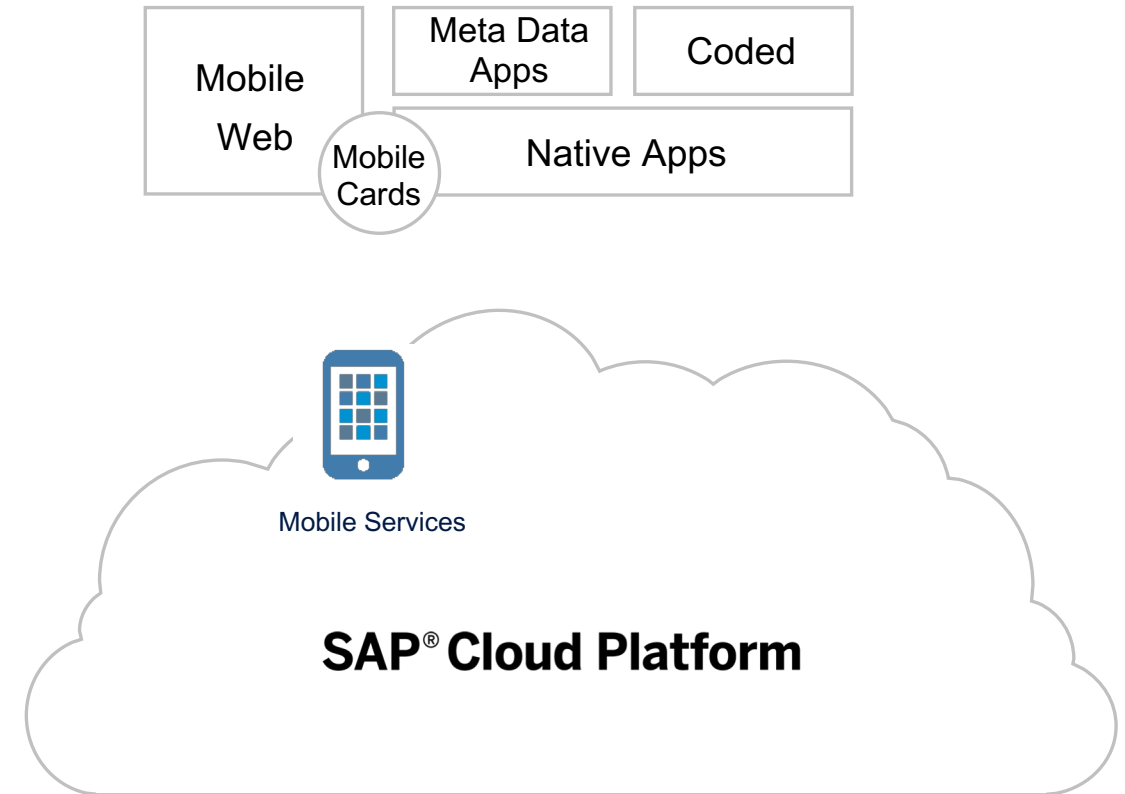
Develop and Deploy Enterprise Grade Mobile Apps

with SAP Cloud Platform Mobile Services

Deliver a wide variety of mobile apps quickly with powerful SDKs and tools

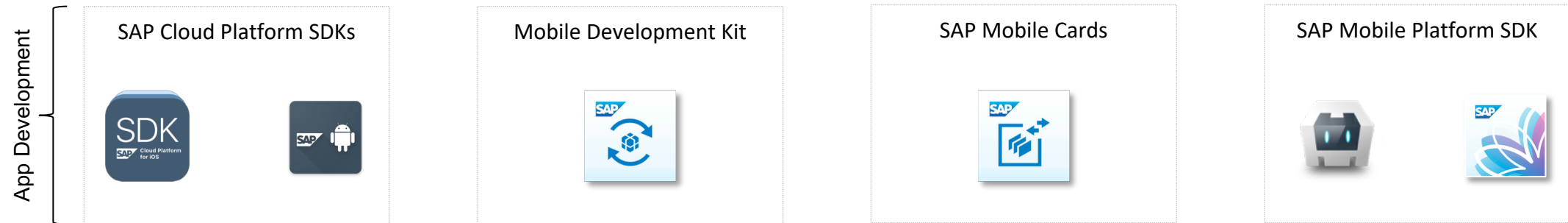
Bring enterprise mobile features such as security, supportability, offline to all your apps

Leverage many more SAP Cloud Platform services, SAP S/4HANA and other SAP Solutions

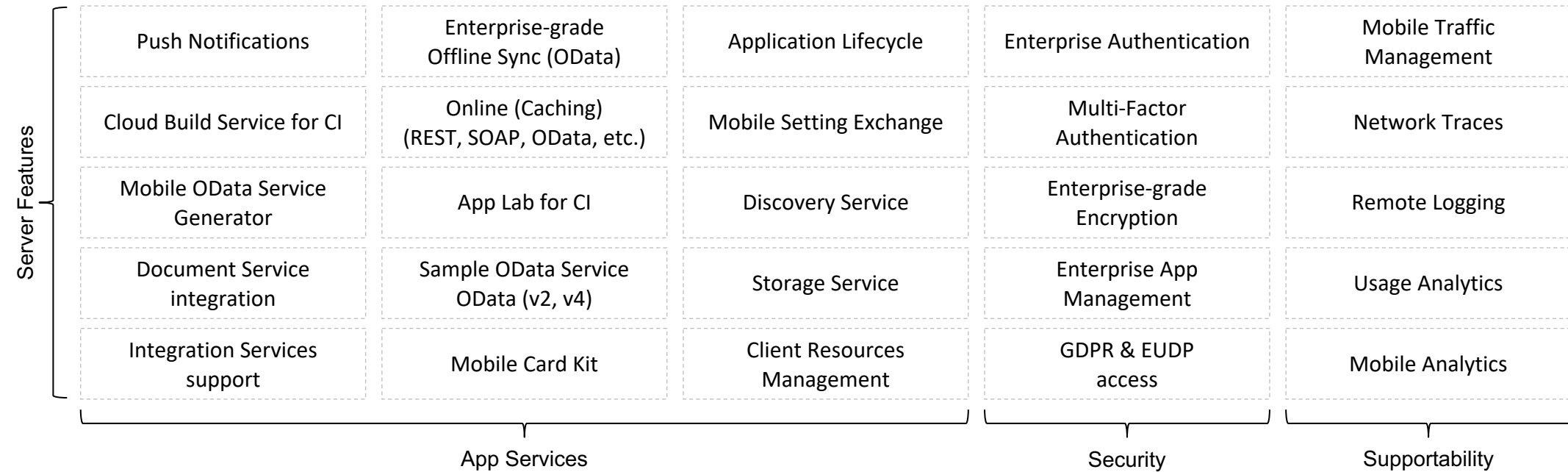


SAP Cloud Platform Mobile Services

Feature Overview



SAP Cloud Platform Mobile Services



SAP Cloud Platform Mobile Services: Mobile Development Kit

Build, customize, and administer native mobile applications in a highly productive, metadata-driven model

Benefits

Reduce app development costs by leveraging drag and drop simplicity of no code tool

Increase capacity to meet mobile app demand without professional developers

Build apps with native look and feel and native performance

Relieve maintenance burden by simplifying lifecycle mgmt without re-installing apps

Customize pre-built SAP apps (SAP Asset Manager, etc.) to meet unique business needs

The screenshot displays the SAP Mobile Development Kit (MDK) interface. At the top, there are several browser tabs for different app pages: AssetDetails.page, AssetsListView.page, AssetPartnerDetails.page, AssetWarrantyDetails.page, ClassificationDetails.page, and ConfirmationCreateUpdate.p. Below the tabs, there's a navigation bar with icons for mobile, tablet, and desktop views. The main workspace is divided into several panels: a 'Controls' panel on the left with a search bar and a list of UI components; a central design canvas showing a mobile app layout with a blue header 'Asset', a map, and a list of items; a 'Logic' panel at the bottom left with a visual programming interface; and a 'Properties' panel on the right with various input fields for text and metadata.

Capabilities

Tool that speeds the process of creating applications for mobile platforms

WYSIWYG Editor, Web IDE Plugin, extensible via Plug-ins; VS Code support

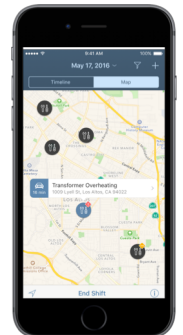
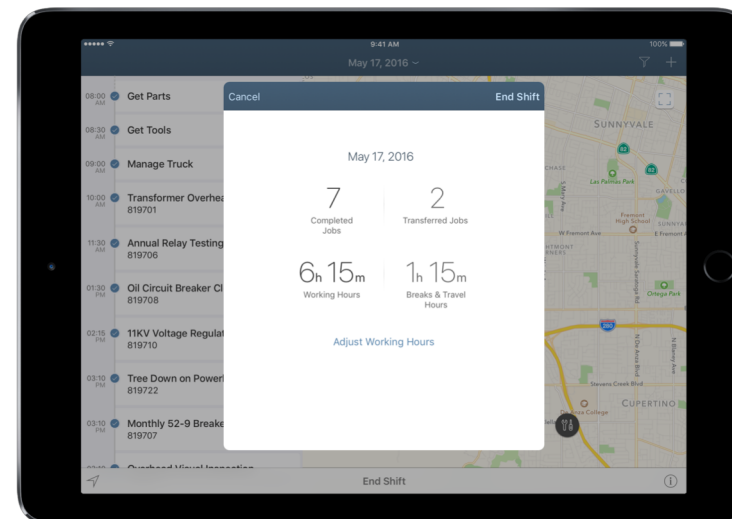
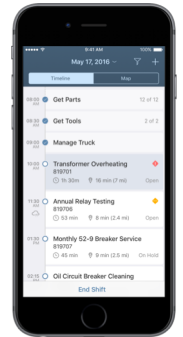
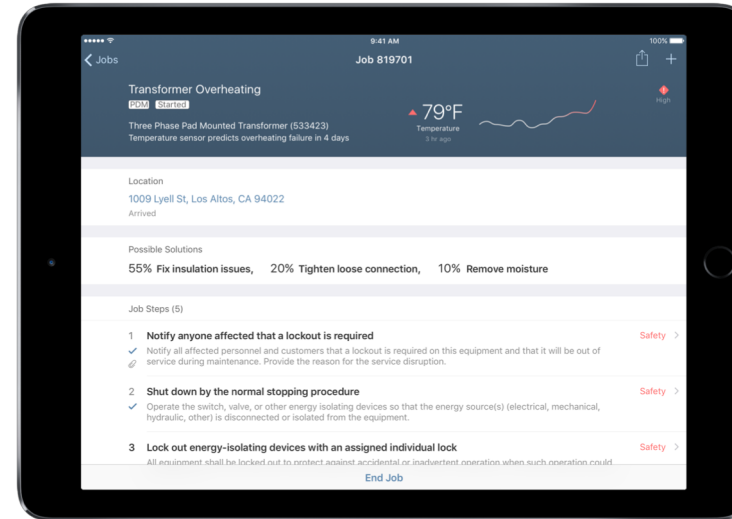
Drag and drop UI elements, app templates and codeless building blocks

Action Editor and Rule Editor based on Google Blockly

Application definitions represented using metadata which is dynamically interpreted on the client to render the native UI

Mobile development kit: SAP Asset Manager

- Mobile development kit provides a runtime and full customization framework for SAP complex applications. The first application that will be released on this framework is SAP Asset Manager.
- SAP Asset Manager is a new mobile application leveraging the digital core with SAP S/4HANA as well as SAP Cloud Platform as the IoT platform for managing work orders, notifications, condition monitoring, material consumption, time management and failure analysis.
- Users can easily customize SAP Asset Manager by adding and editing actions, business logic, screens, styling, etc.



Easy Entry into Enterprise Mobility with Micro 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

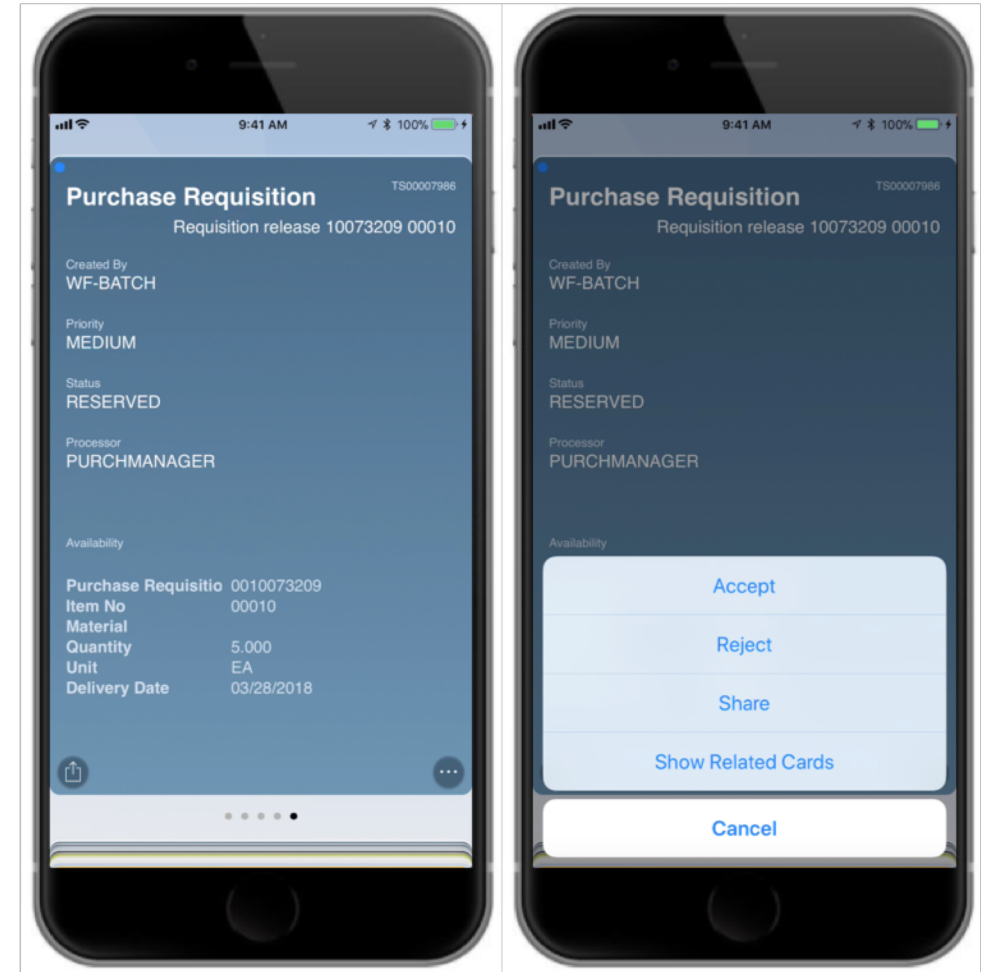
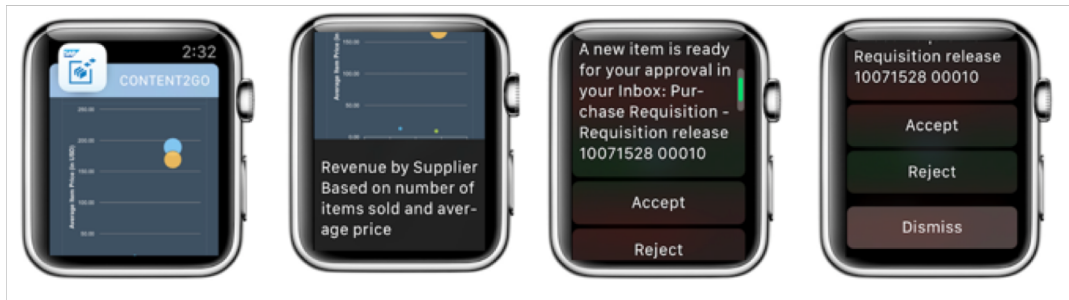
Phone integration for maps, location, email, SMS, and voice calling, Apple Watch

Introducing the SAP Mobile Cards app

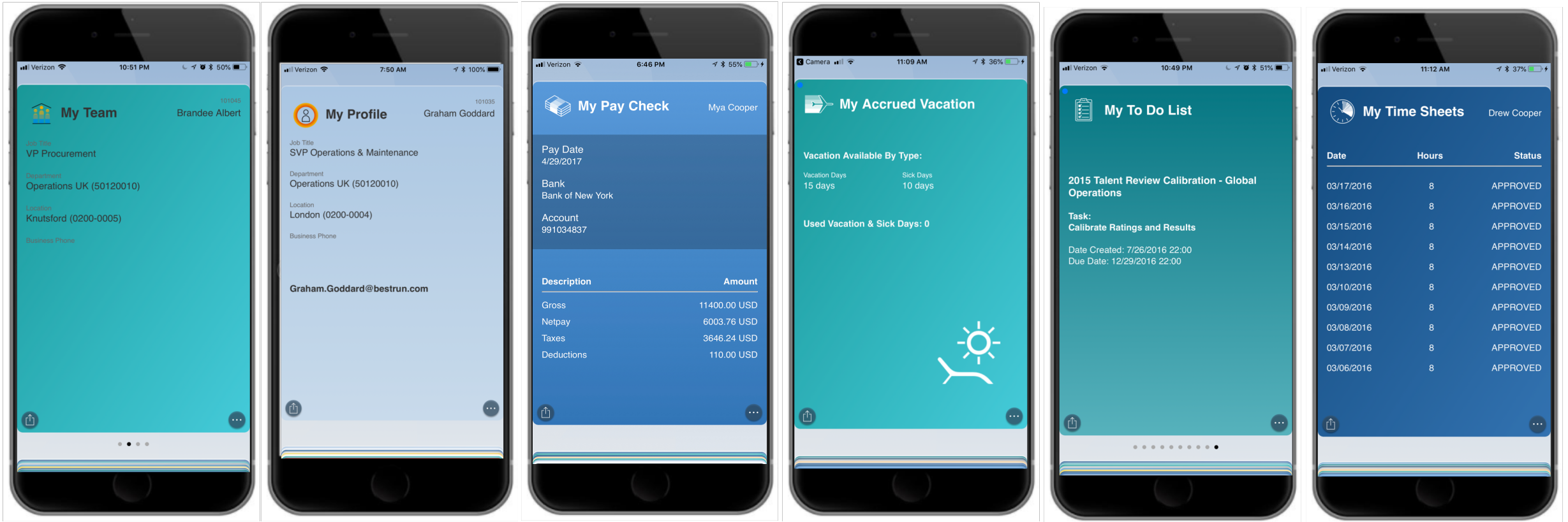
Provides instant content, context, and availability

User actions:

- Get push notifications about cards and take action
- Approve or reject workflows
- Make phone calls from card information
- Send iMessages or emails to card contacts
- Open addresses in maps
- Deep link to another app or URL in context of card
- Share cards with others
- Notify and action cards via the Today screen



SAP Mobile Cards Templates for SAP SuccessFactors



Customizable

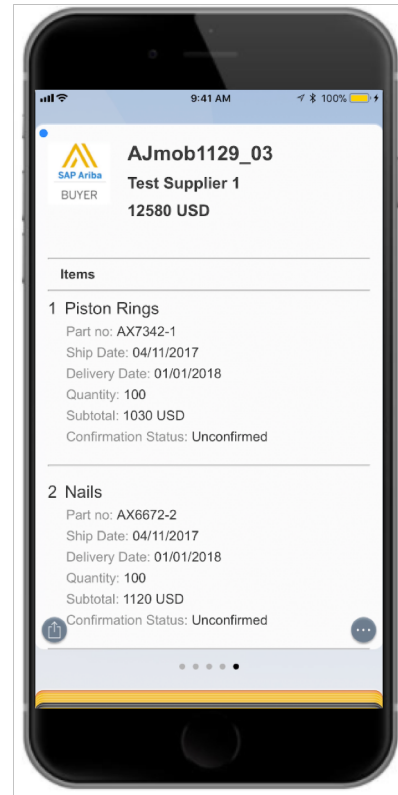
Brandable

Always Up to Date

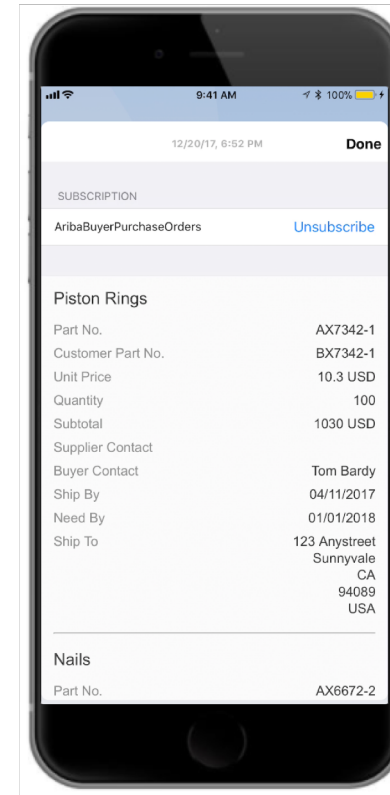
Available Offline

SAP Mobile Cards for Ariba

Employees can access and action their Ariba data from their mobile. Users, Buyers & Suppliers can be alerted with their purchase order exceptions – delivery timing, quantity. Users are notified of new cards and exceptions



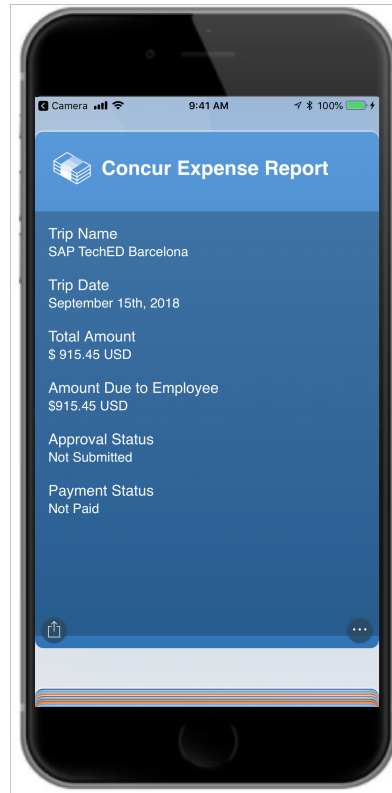
My Purchase Orders



My Purchase Order Exceptions

SAP Mobile Cards for Concur

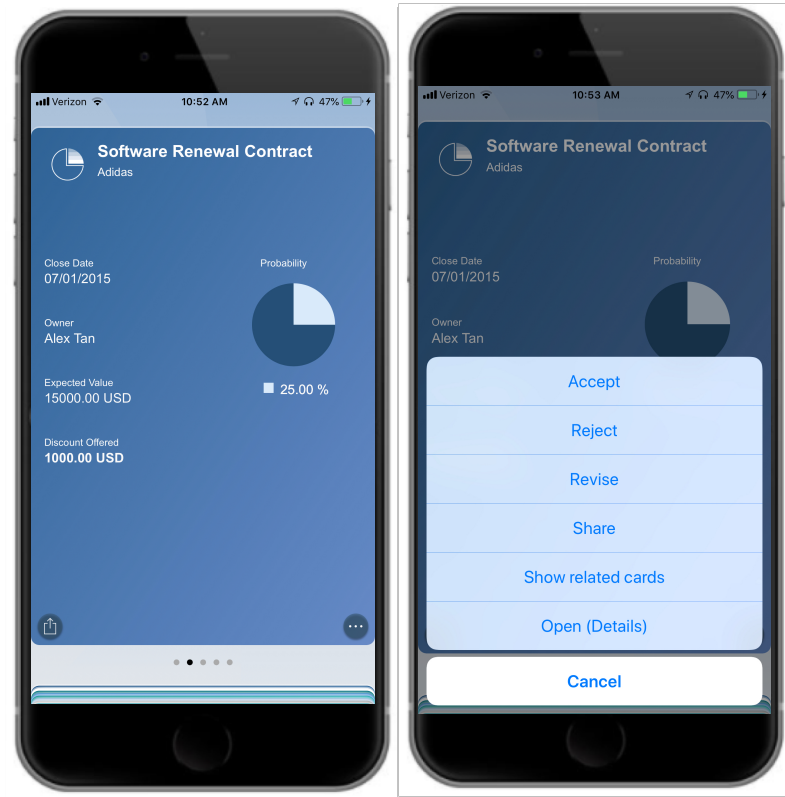
Employees can access their past and in-process Concur Travel Expenses



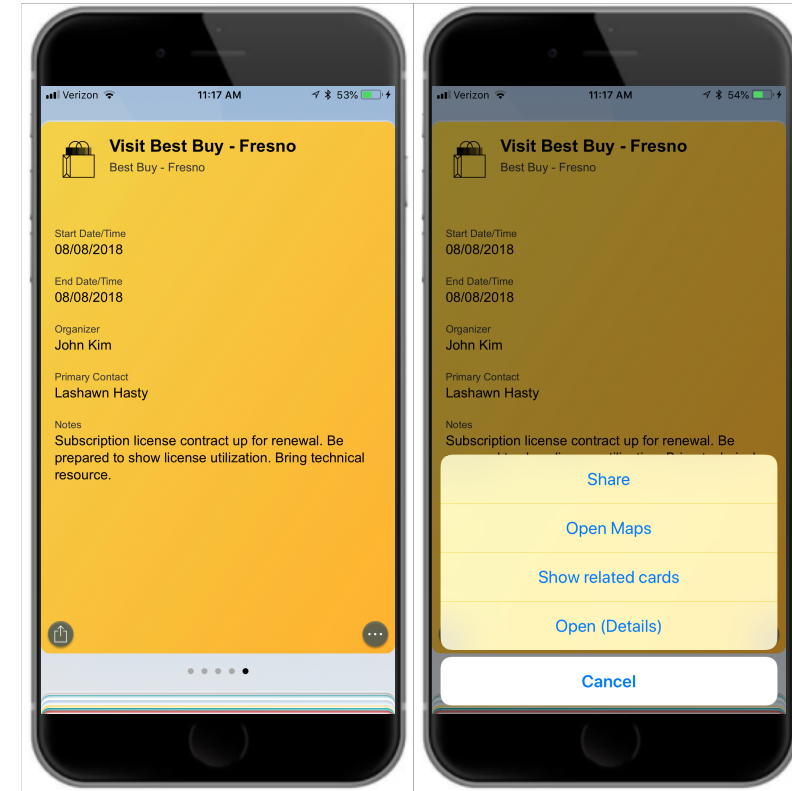
My Concur Travel Expenses

SAP Mobile Cards for C/4HANA

Employees can access and action Cloud for Customer data from their mobile.



Sales Manager Deal Approval



Upcoming Customer Visits

Native iOS App Development

SAP Cloud Platform SDK for iOS



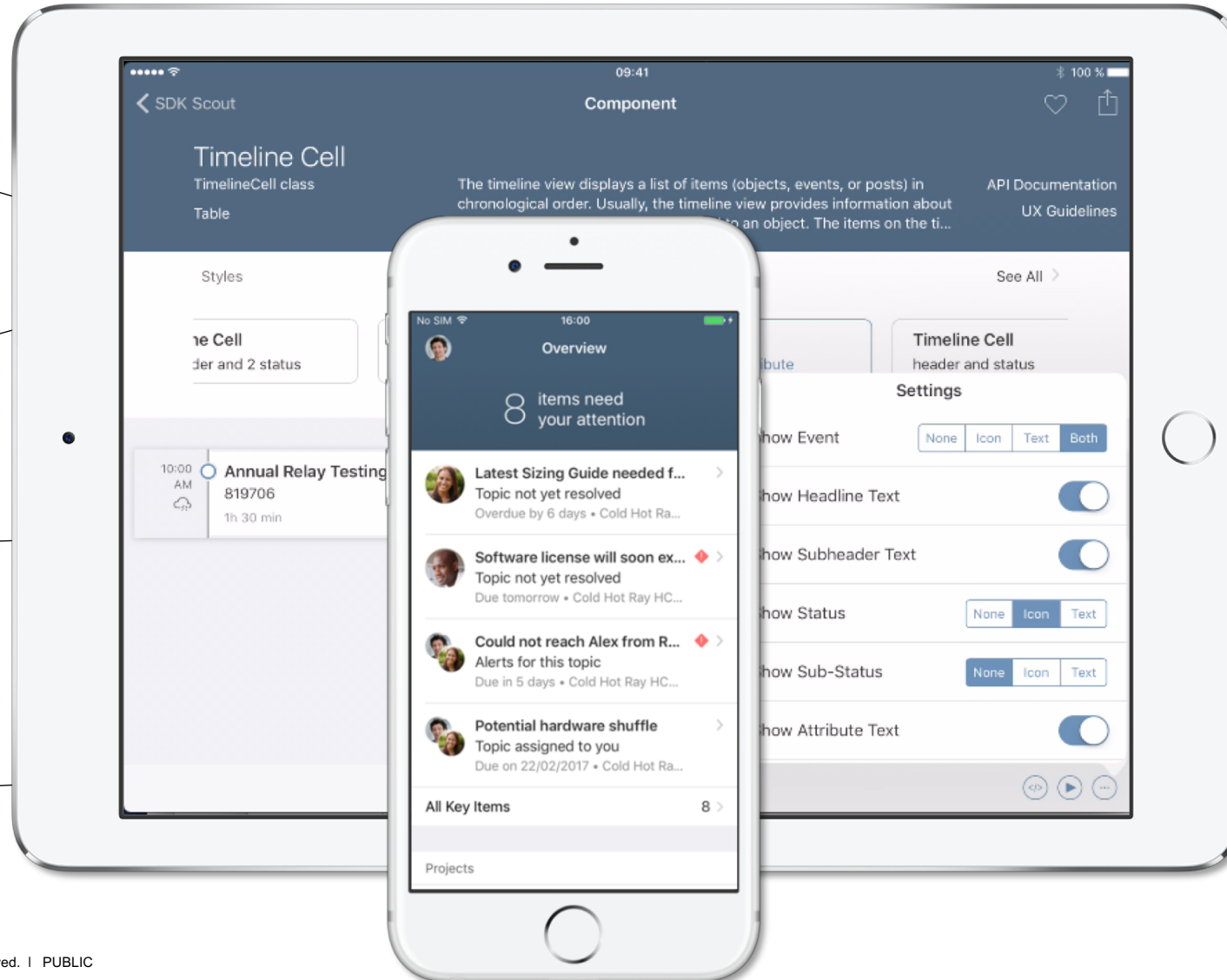
Benefits

Empower designers and developers with tools to quickly and efficiently build iOS apps for the enterprise

Enable apps with native iOS look and feel high performance

Accelerate development with UI controls, frameworks and tools

Innovate by taking advantage of rich iOS device features like ARKit, CoreML, location services and notifications



Capabilities

Swift-based **SDK for iOS** incl. UI controls, frameworks for data access, security, supportability

SAP Fiori for iOS design language

SDK Assistant automatically generates fully running app scaffolding by reading metadata from backend enterprise APIs

SAP Fiori Mentor app generates customized UI code snippets for Fiori controls

Native Android App Development

SAP Cloud Platform SDK for Android



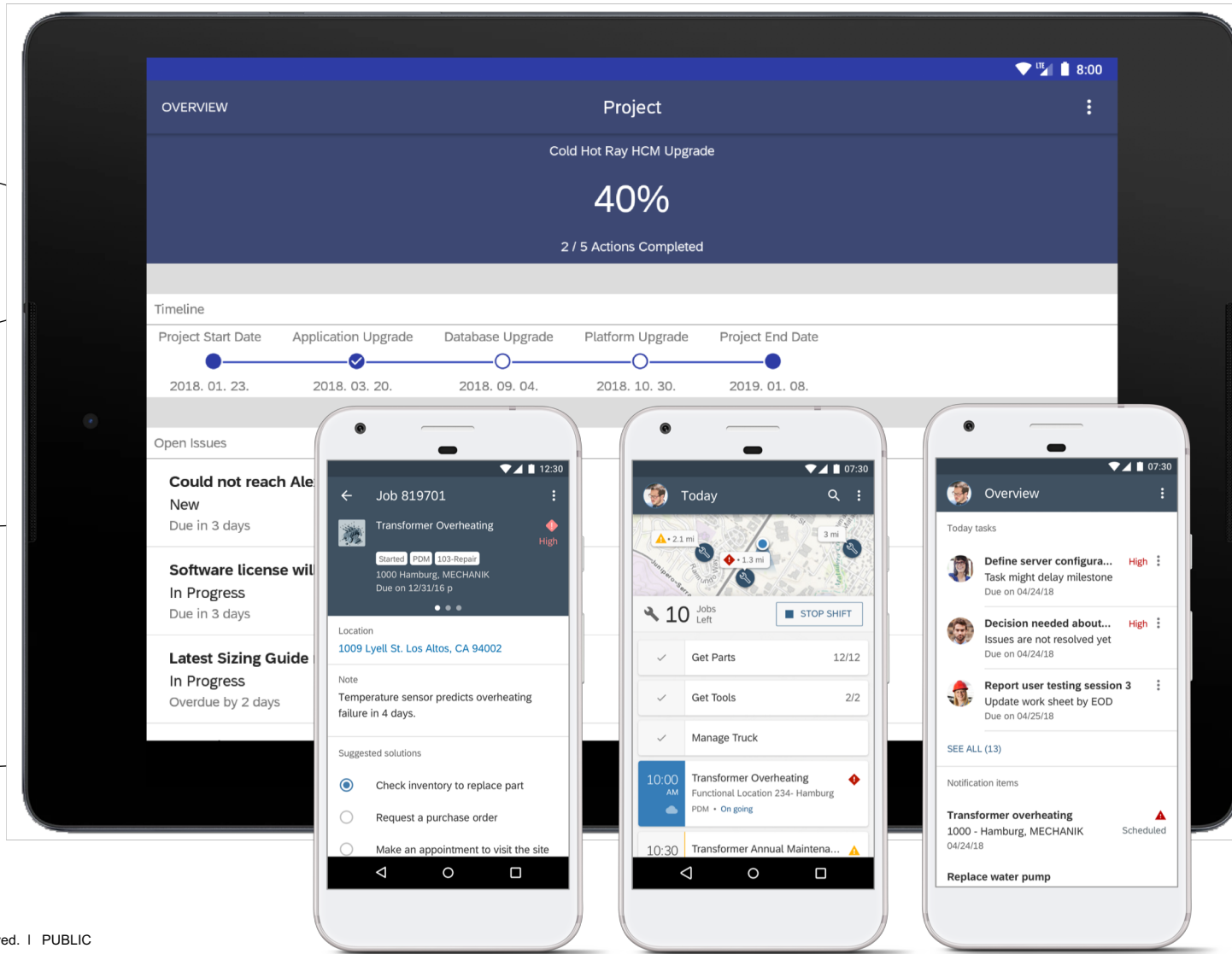
Benefits

Empower designers and developers with tools to quickly and efficiently build Android apps for the enterprise

Enable apps with native Android look and feel high performance

Accelerate development with APIs for enterprise communications, security, encryption & onboarding

Innovate by taking advantage of rich Android device features like Fingerprint Scanner, location services and notifications



Capabilities

SDK for Android accelerates enterprise app development in Android Studio IDE

Accessible from Java or Kotlin

Rich set of UI controls, implementing **SAP Fiori for Android** design language

SDK Wizard automatically generates fully running app scaffolding by reading metadata from backend enterprise APIs

Foundation for model-driven apps and micro-apps on Android

Customer success with SAP Cloud Platform Mobile Services

The screenshot displays the SAP Innovation Awards 2019 website. At the top left is the SAP logo. The main header features the 'SAP Innovation Awards 2019' logo. A navigation bar includes links for 'SAP Innovation Awards', 'About', 'Entries', 'News', 'Judges', 'FAQ', and 'Past Winners'. Below the navigation bar, there are two buttons: 'Back to browse' and 'Subscribe to Newsletter'. The central focus is the entry titled 'Integrated Operations Platform for Oil Well Operations'. To the left of this entry is the logo for 'MURPHY OIL CORPORATION'. To the right, the entry details are listed: 'Participant: Mr. Rajesh Satewar', 'Company: Murphy Oil Corporation', 'Category: Process Innovator', 'Status: Winner', and 'Submission ID: 408'. A 'Download Pitch Deck' button is positioned below these details. At the bottom of the entry, a paragraph describes the Remote Operations Center (ROC) as a centralized monitoring cockpit that improves operational efficiencies and safety through the unification of information and business processes using SAP Cloud Platform services.

[SAP Innovation Awards Slide Deck](#)

Learn more

- ▶ [SAP Cloud Platform Mobile Services Roadmap](#)
- ▶ [SAP Cloud Platform Mobile Services](#)
- ▶ [SAP Cloud Platform SDK for iOS](#)
- ▶ [SAP Cloud Platform SDK for Android](#)
- ▶ [Mobile Development Kit](#)
- ▶ [SAP Mobile Cards](#)
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Presentation Materials

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Q&A

For questions after this session, contact us at gerhard.henig@sap.com.

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Thank you.

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