

Week 1 Unit 6: SAP HANA Cloud Platform SDK for iOS – Introduction



SAP HANA Cloud Platform SDK for iOS – Introduction

- Enables SAP's community of designers, developers, partners, and customers to build their own enterprise-class mobile apps
- Accelerate development, easily reuse existing capabilities, and quickly tie in services of SAP's and Apple's respective platforms and devices
- Contains APIs to access aggregated data from SAP S/4HANA

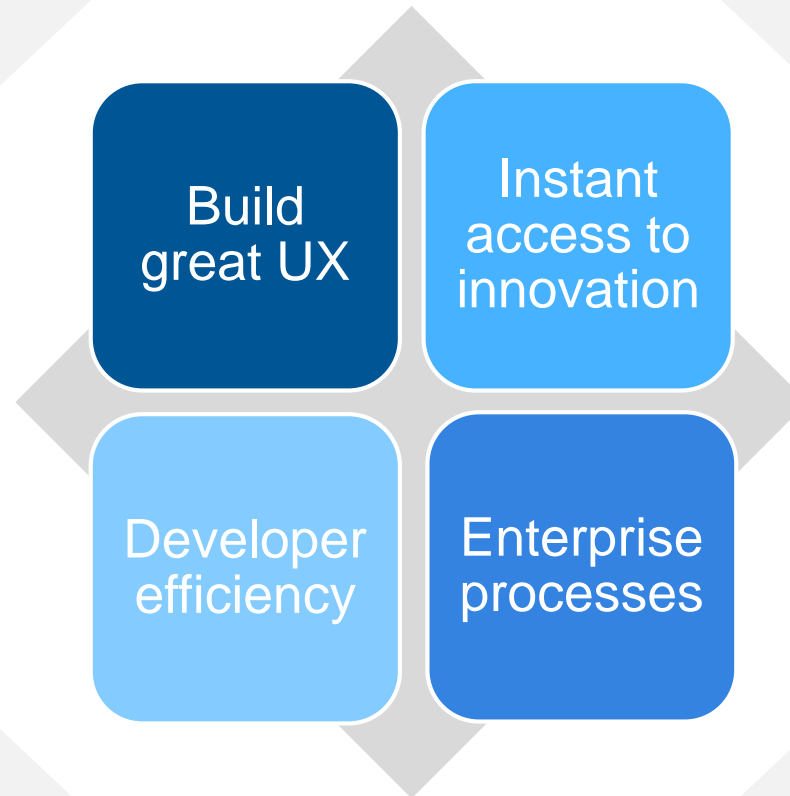


SAP HANA Cloud Platform SDK for iOS – Introduction

Value proposition

Award winning SAP Fiori design
Native iOS performance

Immediate access to new iOS features
Fully utilize Swift



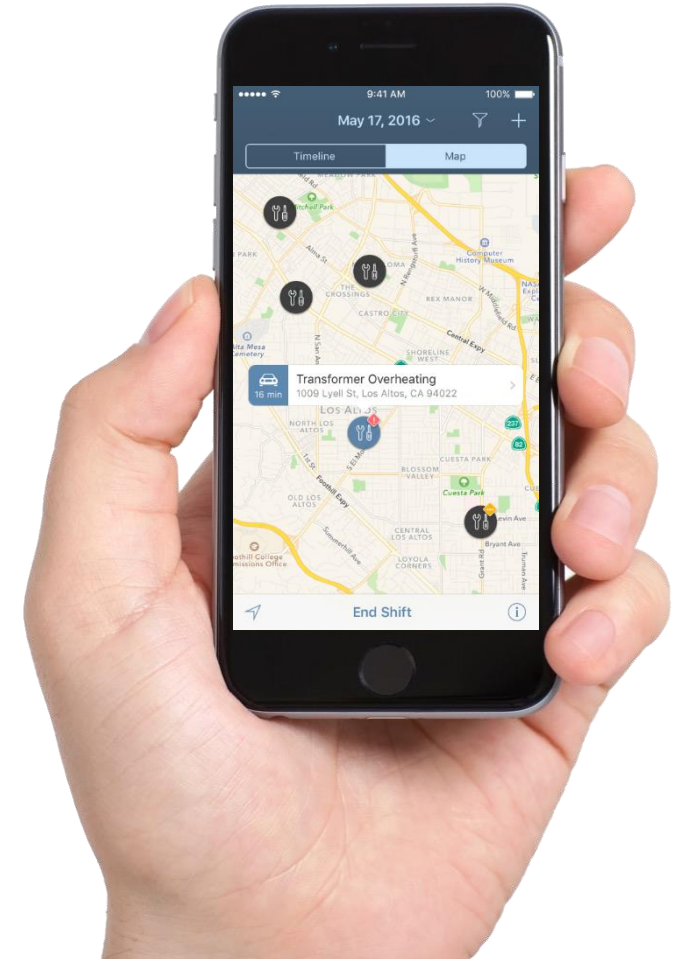
Seamless Xcode integration
Full power of SAP HANA Cloud Platform

Leverage services from SAP S/4HANA, SAP ERP, SAP Hybris, and more
Leverage SAP API Management for integration

SAP HANA Cloud Platform SDK for iOS – Introduction

Instant access to innovation: leveraging iOS capabilities

- **Background Download:** data synchronization
- **State Restoration:** user-context preservation
- **EventKit:** cross-device calendar and reminder synchronization
- **HealthKit:** storing user's vitals and activity
- **MapKit:** presenting location and destination guidance
- **Location Services:** geofence and proximity notifications
- **User Notifications:** server-driven calls to action
- **Core Data:** supporting data storage
- **Touch ID:** two-factor authentication



SAP HANA Cloud Platform SDK for iOS – Introduction

A platform to rapidly develop new applications or extend existing ones

SAP HANA Cloud Platform is an open platform as a service to build, extend, and integrate applications.



Extend Cloud and On-Premise Apps

Quickly add new functionality to your existing cloud and on-premise apps to optimize your existing investments.



Integrate Your Apps and Data

Connect your cloud and on-premise apps to eliminate data silos and make digital access simple, secure, and scalable.



Build Brand New Cloud Apps

Rapidly build and run new cloud apps to solve new problems, engage new customers, and drive new revenue.

SAP HANA Cloud Platform SDK for iOS – Introduction

Everything you need to build enterprise apps in the cloud



Business Services



User Experience



Mobile



Internet of Things



Integration



Collaboration



Analytics



Security



Data & Storage



Dev & Ops

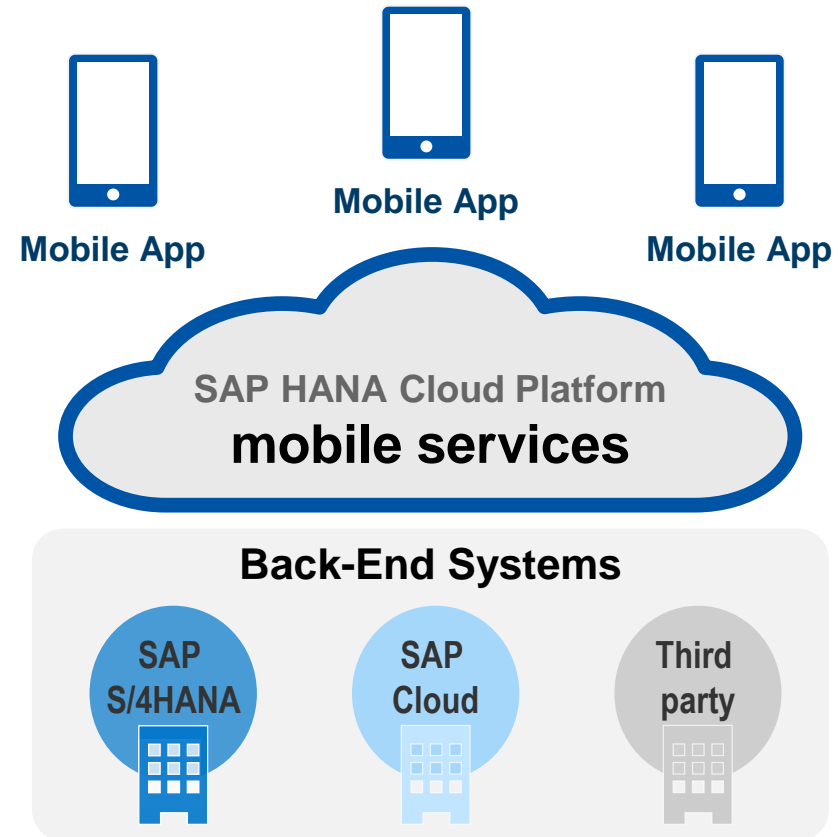
SAP HANA Cloud Platform SDK for iOS – Introduction

Mobile service for development and operations

SAP HANA Cloud Platform provides services to be consumed by SAP HANA Cloud Platform SDK for iOS.

Mobile services

- OData offline
- Push notifications
- Security integration
- Usage analytics/reporting
- Integration of SAP and third-party systems via OData
- App lifecycle management support

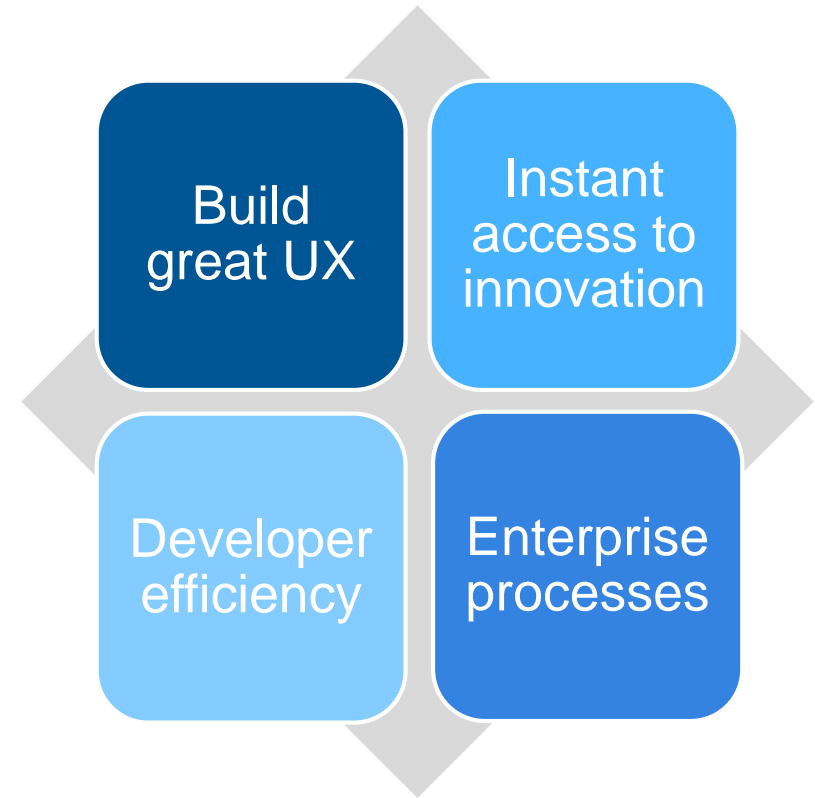


SAP HANA Cloud Platform SDK for iOS – Introduction

Developer efficiency

Focus on developer efficiency

- Modular approach
- Simple deployment: easy to find, easy to use, easy to update
- Comprehensive documentation
- Accelerated integration with enterprise systems and services



SAP HANA Cloud Platform SDK for iOS – Introduction

Key building blocks

- UI components enriched by business logic
- Common business processes as reusable blocks
- Atomic, reusable UI components
- Implementing **SAP Fiori for iOS** design language
- Generic functional components with well-separated concerns
- Provides the server-side counterparts of functional SDK components as mobile services
- Serves as mobile middleware and integration platform for various back ends
- Seamless integration into SAP business solutions and processes

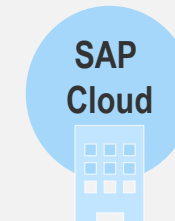
UI + Business Logic Components

UI Patterns / UI Reuse
Components

Foundation Components

SAP HANA Cloud Platform
mobile services

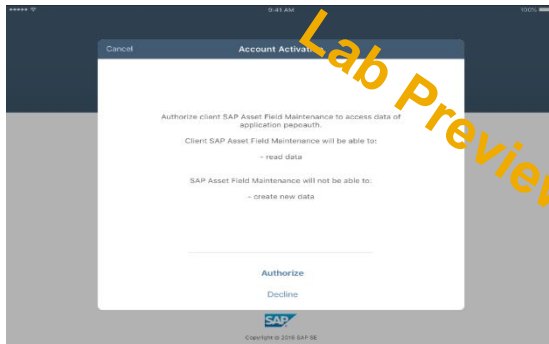
Back-End Systems



SAP HANA Cloud Platform SDK for iOS – Introduction

Key building block examples

Foundation Components



Authentication & Authorization module

- Handles the entire process of communication and authentication with SAP HANA Cloud Platform
- Makes this as easy as calling a few lines of code, without the need for expert knowledge

UI Patterns / UI Reuse Components

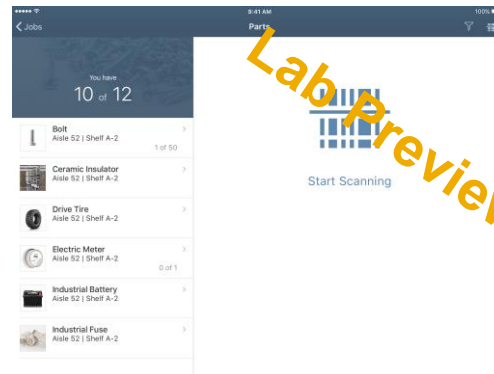
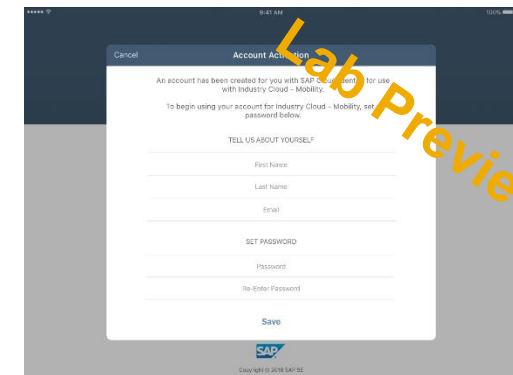


Table Header and Cell

- Reusable views for a table header and cell

UI + Business Logic Components



User Onboarding Control

- Uses the User Activation module of the SDK
- Implements the entire business process of onboarding a user to SAP HANA Cloud Platform

SAP HANA Cloud Platform SDK for iOS – Introduction

Availability

SAP's mobile platform offerings are part of SAP HANA Cloud Platform Software Development Kit for iOS

- The SDK will be distributed via the standard SAP software delivery channels
- Early adopter availability planned in October 2016
- General availability planned in Q1, 2017



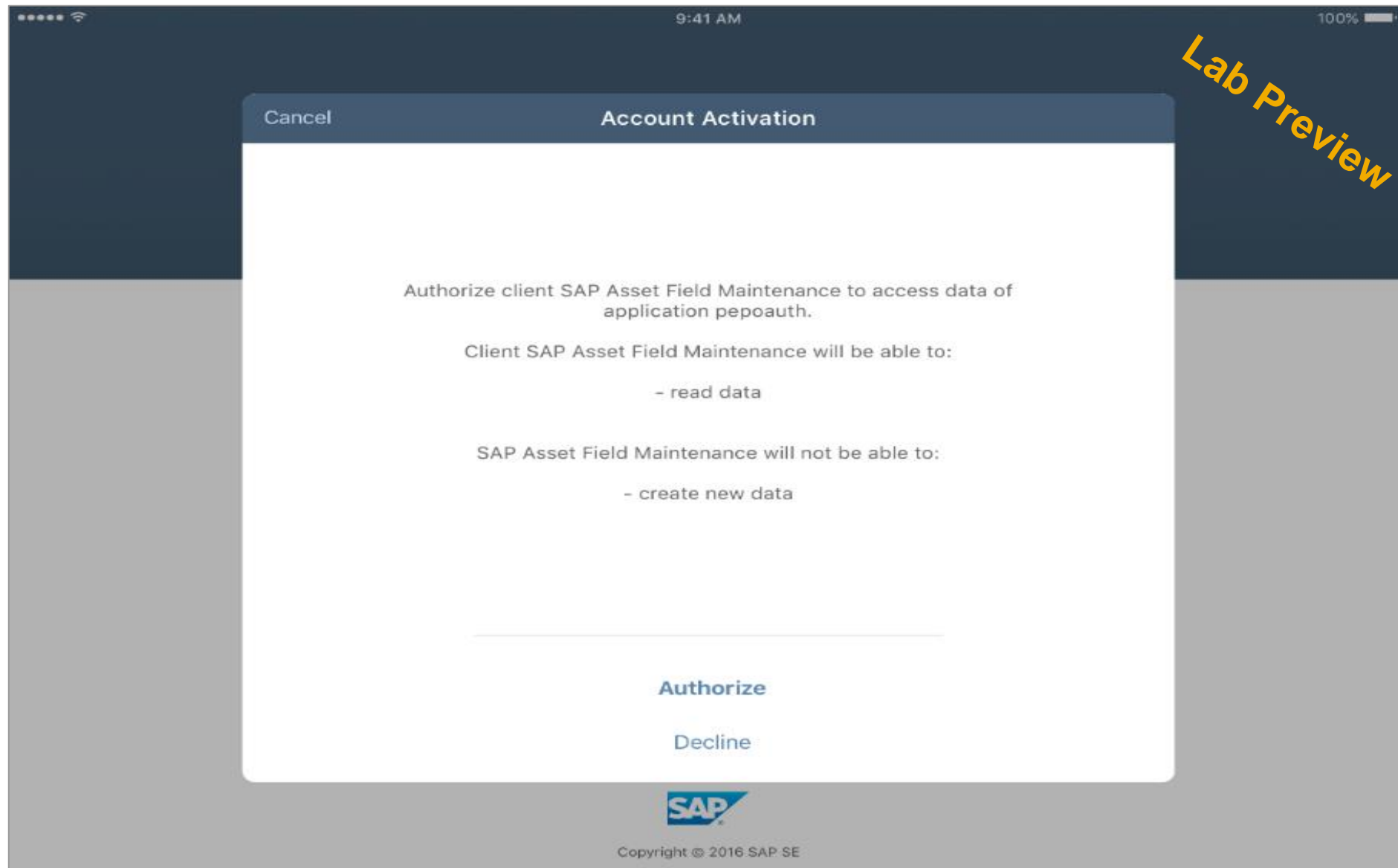


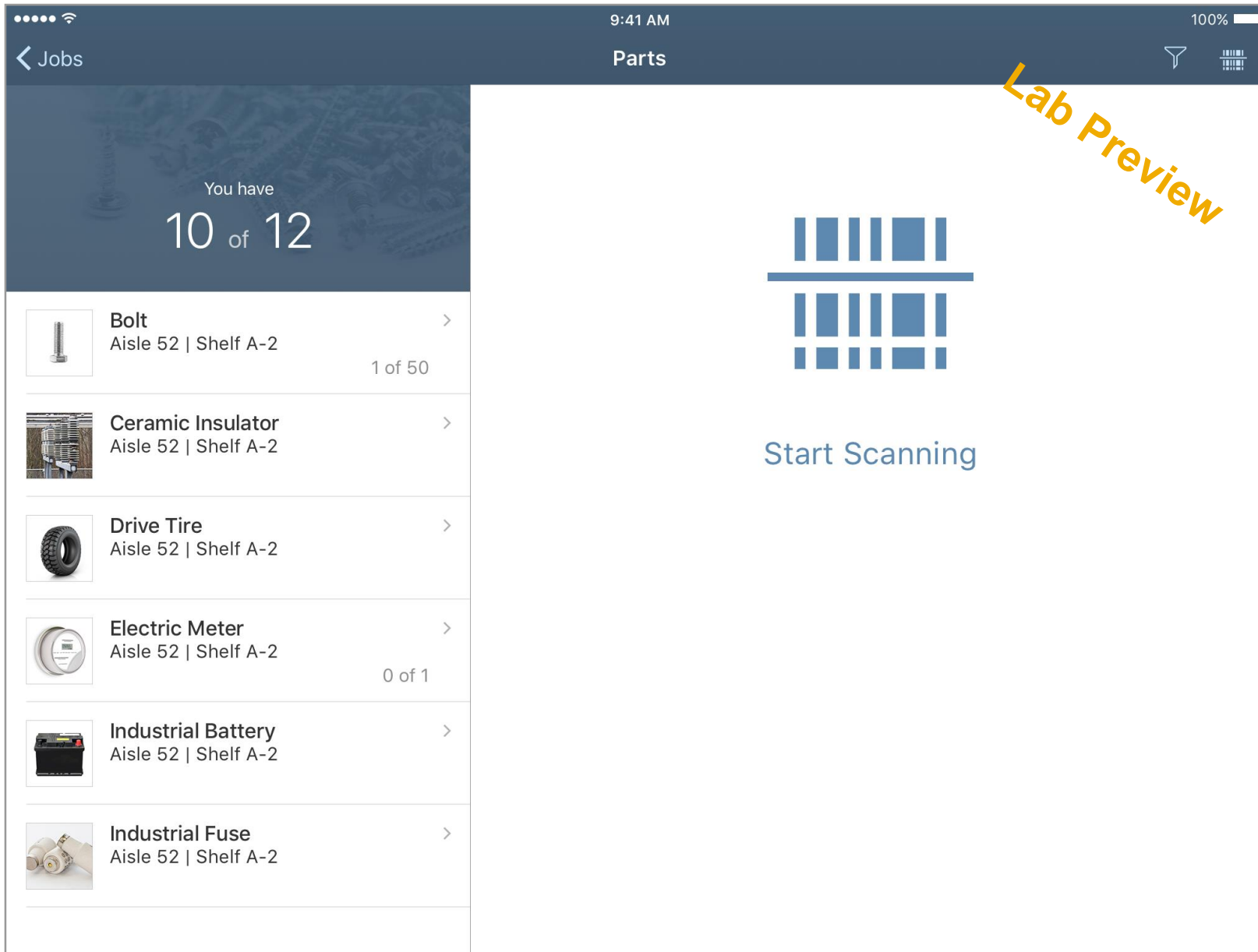
Thank you

Contact information:

open@sap.com

openSAP
open.sap.com





..... 9:41 AM 100%

Lab Preview

Cancel

Account Activation

An account has been created for you with SAP Cloud Identity for use with Industry Cloud - Mobility.

To begin using your account for Industry Cloud - Mobility, set a password below.

TELL US ABOUT YOURSELF

First Name

Last Name


Email

SET PASSWORD

Password

Re-Enter Password

Save



Copyright © 2016 SAP SE

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.