

Quick Start Guide for Faculties & Students:

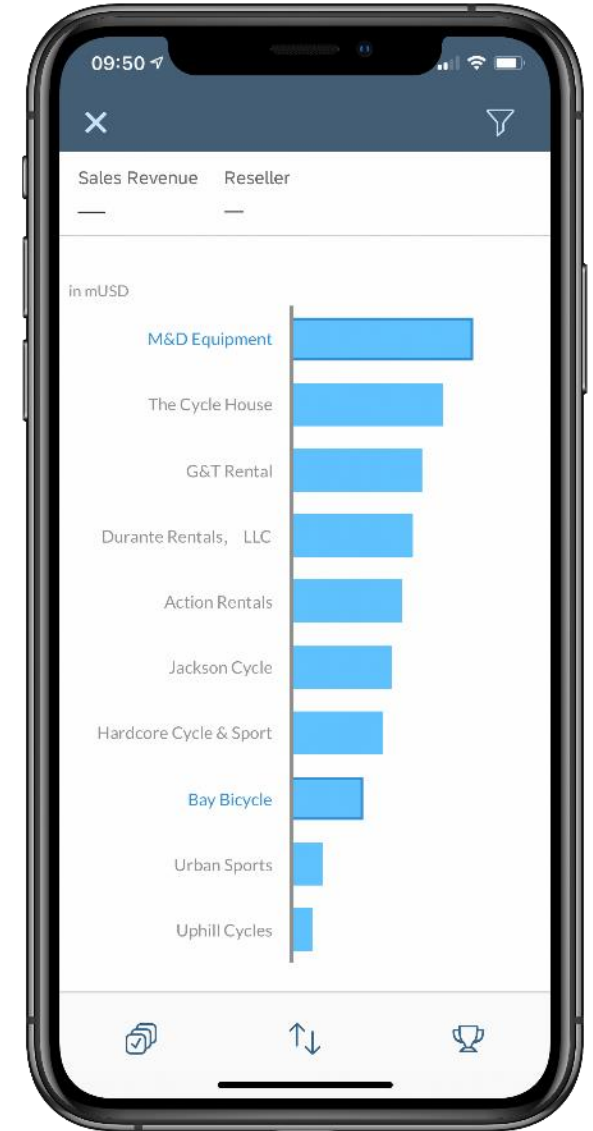
Business Apps Development with SAP BTP SDK for iOS

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PUBLIC



Content of Quick Start Guide

- **What** is the SAP BTP SDK for iOS?
- **Why** is it important?
- Examples of **customer use**
- Quick Start: **Learning Journeys**
 - Learning Objectives
 - Learning Journeys
- Overview of the **learning resources**



What is **SAP BTP SDK for iOS?**



What is the SAP BTP SDK for iOS?



- The SAP BTP SDK for iOS gives developers **a tool to build iOS apps** powered by the SAP Business Technology Platform (BTP) that can **access** and **process enterprise data** remotely from Apple mobile devices
- The SDK supports the design framework for Fiori – SAP’s mobile interface – enabling developers to create **native** mobile apps on Apple devices with a SAP user interface
- Inspiring video: [The Intelligent Enterprise at Your Fingertips](#)
- Product summary and SAP-Apple collaboration details:
 - [SAP portal](#)
 - [Apple portal](#)

Why do we need the SAP BTP SDK for iOS?

Leverage UX building blocks
for **great mobile user experience**

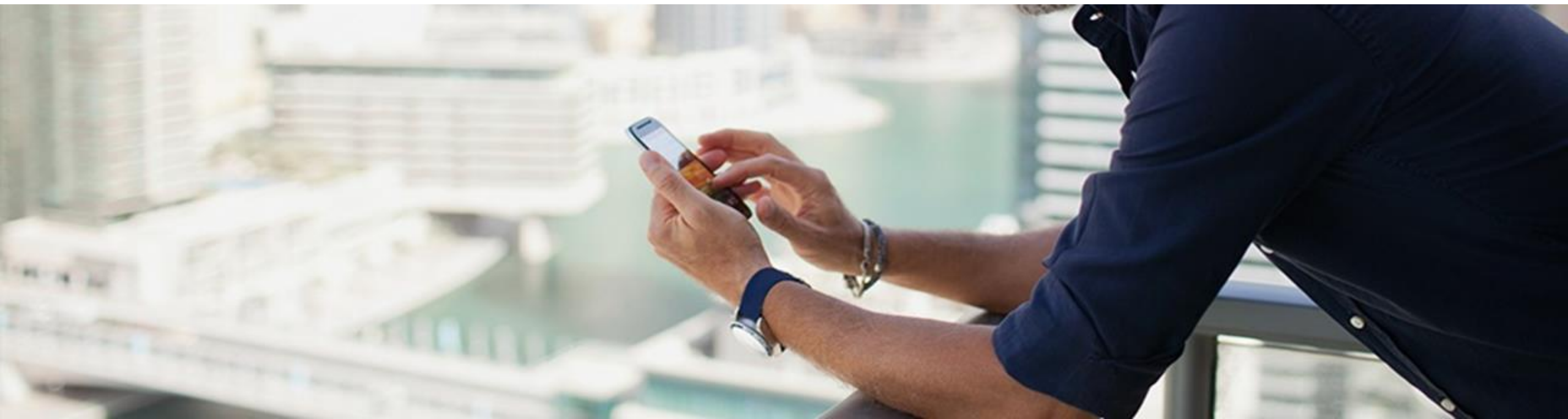
Provide instant access to
iOS & device **innovation**



Access and connect to
enterprise processes & data

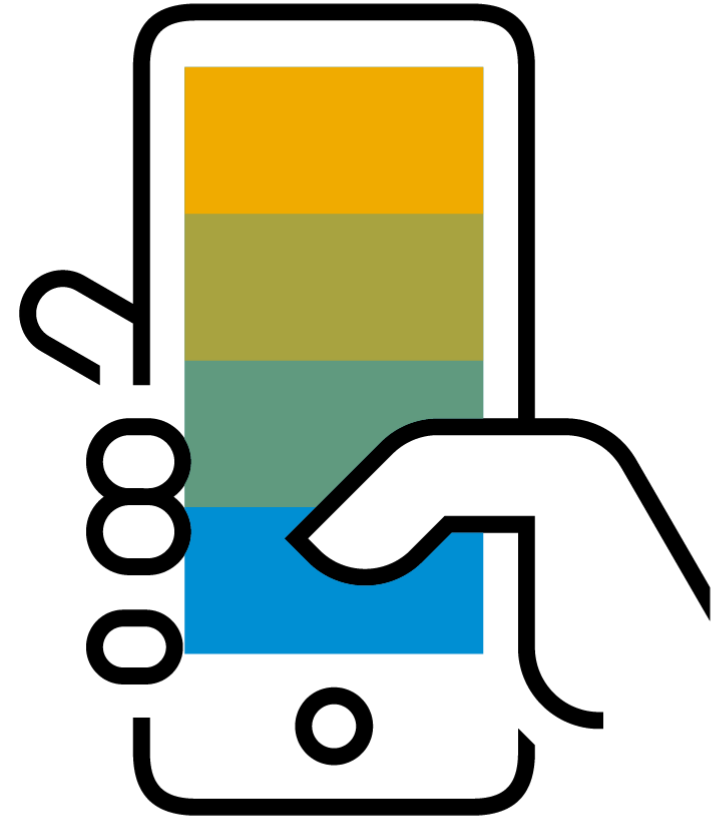
Enhance **developer efficiency** with
BTP Services & SDK

Why is it **important**?



**By 2022, 70% of
software interactions
in enterprises will occur
on mobile devices.**

source: Gartner



Key Benefits of Leveraging Mobility for Business



Increase
employee
productivity

Access
information
more quickly

Automate &
streamline
processes

Increase
customer
satisfaction

Collaborate
better with
ecosystem

Enable
new business
models

Benefits of Building Native Mobile Apps

- Instant access to operating system and **device innovations**
- Apps offer a true **native look and feel**
- Unleash native device capabilities such as **camera, GPS, sensors & coreML**
- Enables best app **performance**
- Excellent tool **support, debugging, performance analysis**, etc.



Apple and SAP Partnership

“SAP is the **ideal partner** to help us truly transform how businesses around the world are run on iPhone and iPad.”

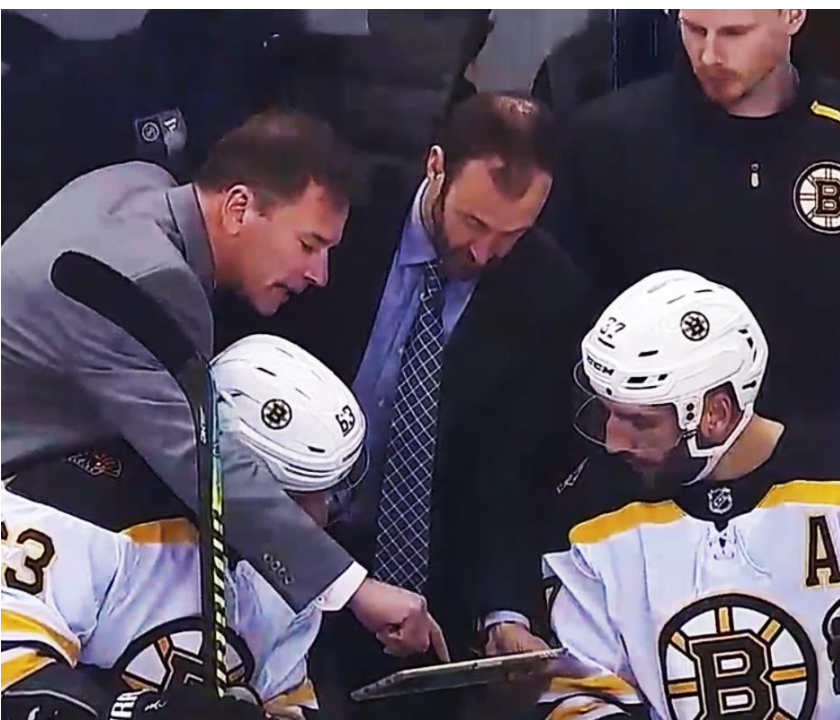
“The partnership has come a long way and it has a lot further to go.”

Tim Cook



How are **SAP Customers** solving business problems with Mobility?





Accelerate the readiness of your race engineers at global race events

- Learn how Porsche got rid of all paper work and “rules of engagement”, booklets for the race track
- Get to know your peers for your race days and be informed about the latest schedule changes instantly
- Get all you need for a successful and fast race event: before, during and after the race
- “It is all about competition.” – Learn about how to pass by the competitors using the Porsche race team app based on SAP BTP SDK for iOS

[Read the story](#)

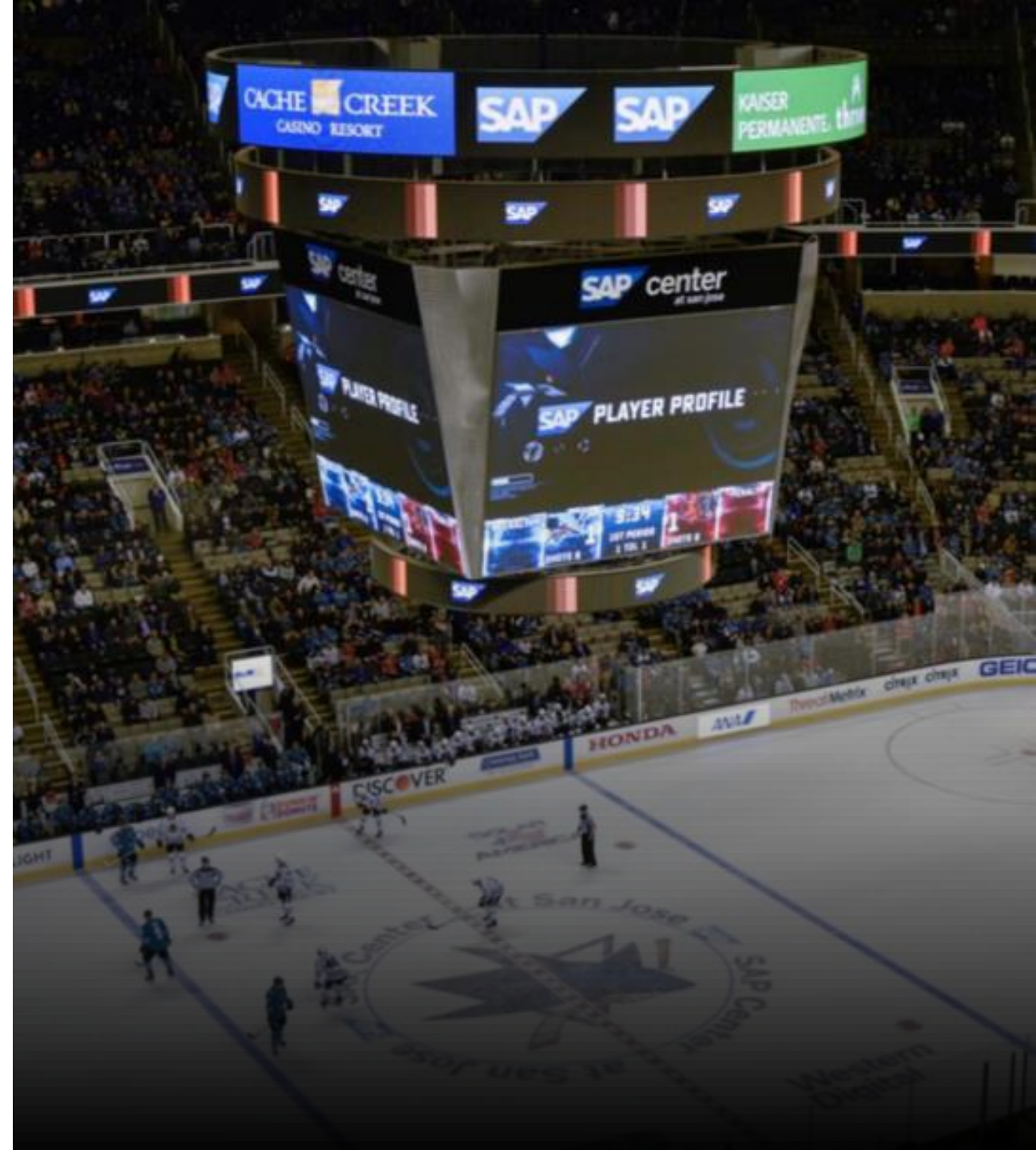




Learn from NHL how you can make critical decisions instantly that will change the game!

- User-friendly iOS [app for NHL coaches using the SAP BTP SDK for iOS](#)
- With the help of their iPads, the users can get real time access to data and insights (stats, game reports, etc.) which makes decision making faster
- Helps them move the game and players to the next level of greatness and performance

[Read the story](#)





Using SAP and iOS specific Apps based on SAP BTP SDK for iOS helps jumpstart innovation at VESTAS to save millions on external costs

- Developed Apps based on SAP BTP SDK for iOS
- Increased operational efficiency through technology innovations and lead to dramatically reduced costs
- Planning execution activities using modern iOS based solutions for iPhones and iPads
- Connects to SAP Backend and collects & shares relevant information in real time to speed up decision making and enhance productivity and customer satisfaction

[Read the story](#)



Digitalization of the Fishermen

- Royal Greenland was looking for a way to tie Independent Fishermen closer to them. One of the biggest opportunities is to better plan with the data captured about the harvest much earlier
- Based on Prototype, Royal Greenland had to verify viability of the project (as part of public sector the had to navigate legal constraints, policies, but also end-of-the-world practicalities)
- Human centered approach to understand day to day life of independent fishermen & circumstances in which fishermen work (climate, network coverage) and the specific requirements to mobile interfaces (language, literacy, accessibility)
- Able to identify hidden value by bringing together data from fishermen and Royal Greenland

[Read the story](#)

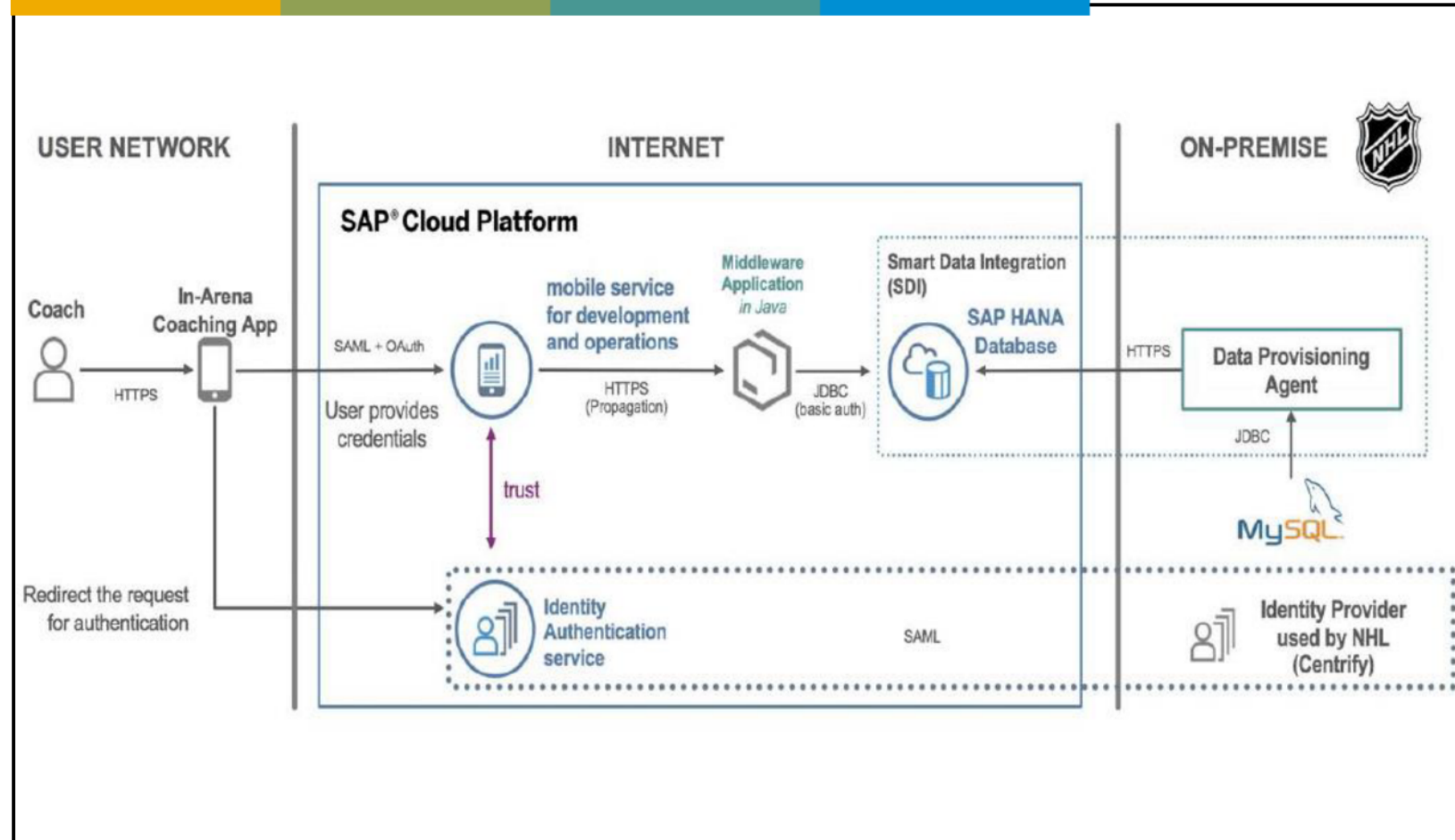


Case study (SAP Innovation Award 2019)

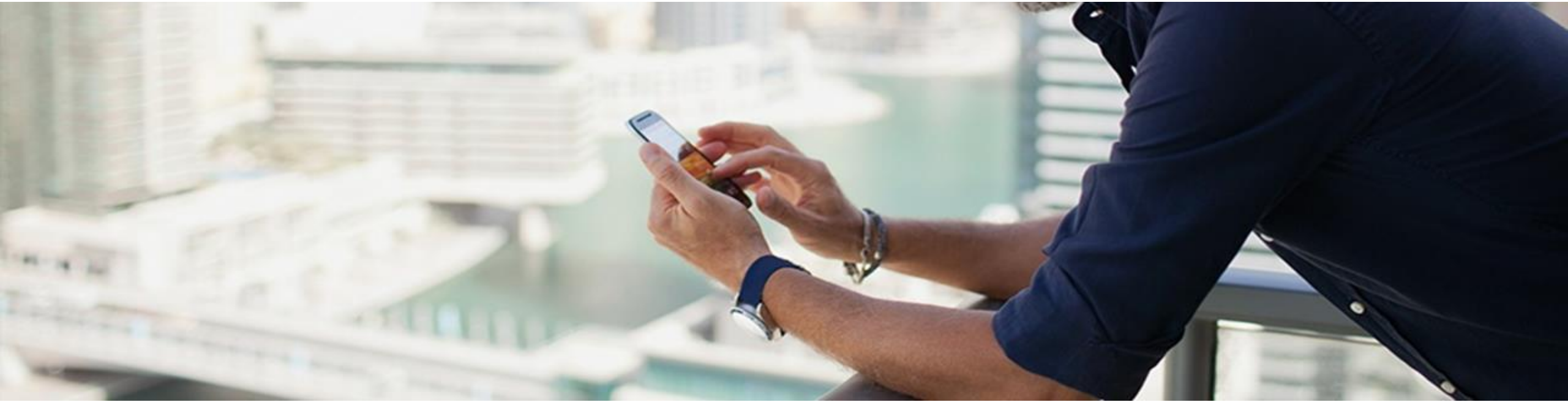
SAP-NHL Coaching Insights App for iPad



Architecture

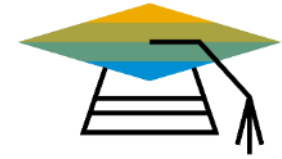


Quick Start – Learning Journey: **Business Apps Development with SAP BTP SDK for iOS**



Business Apps Development with SAP BTP SDK for iOS

Didactic Concept



Learning Objectives

- Introduction to SAP BTP SDK for iOS
 - Development of UX with SAP Fiori
 - SDK frameworks and components
 - OData development
 - Step-by-step development of iOS business app (Marketing app)
-

Learning Scenarios

- Concepts of Business Apps Development with SAP BTP SDK for iOS
 - Step-by-step development of iOS business app (Marketing app)
-

Learning Characteristics

Learner Type	Novice
Level / Academic Degree	Bachelor, Master
Learning Method	Step-by-step instructions
Language	English

System Functionalities, Model Company and Dataset

- *Source code of hands-on materials (Swift, XML)*
 - *In-app Images*
 - *How-to videos*
-

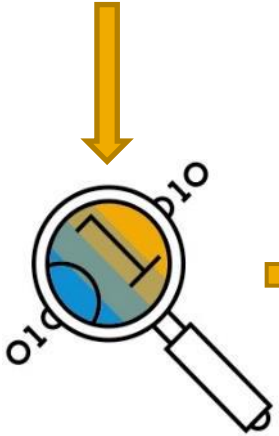
SAP BTP SDK for iOS: Learning Journey for Developers

Start with an overview (9h)



Overview of SAP BTP SDK for iOS

[Product page](#) (2h)



Setup SAP BTP SDK for iOS

[How-to Tutorial](#) (40m)



SAP BTP SDK for iOS –
Help Content

[SAP Help Portal](#) (1h)



Download SAP BTP SDK for iOS

[SAP Developers Portal](#) (20m)



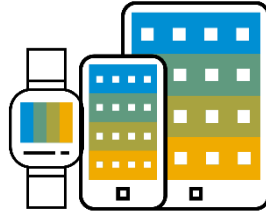
Design Guidelines for SAP
Fiori for iOS

[Best practices](#) (5h)



SAP BTP SDK for iOS: Learning Journey for Developers

Become competent (26h)

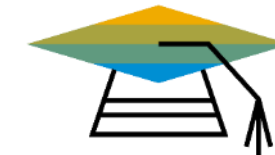


Sign up for a free trial
of SAP BTP
[How-to Tutorial](#) (5m)

Access SAP Mobile
Services
[How-to Tutorial](#) (5m)

Use SAP BTP SDK for iOS
Foundation
[How-to Tutorial](#) (1h)

Implement SAP Fiori for iOS
Controls
[How-to Tutorial](#) (45m)



SDK Frameworks and
Components
[SAP Help Portal](#) (45m)

OData Development
[SAP Help Portal](#) (20m)

Build an iOS and MacOS
App
[SAP Developers Portal](#) (3h15m)

SAP Fiori for iOS –
Build Your First Native
Mobile App
[openSAP course](#) (20h)

Overview of Learning Resources



Business Apps Development with SAP BTP SDK for iOS

Overview of Learning Resources



Partnership Overview Page

<https://discover.sap.com/apple/en-us/index.html>

Apple Resources for Enterprise

<https://developer.apple.com/sap/>, <https://developer.apple.com/enterprise/>

Customer Success Stories

<http://discover.sap.com/apple/en-us/discover-ios.html>



Download SAP BTP SDK for iOS

<https://developers.sap.com/topics/cloud-platform-sdk-for-ios.html>

Start SAP BTP Trial

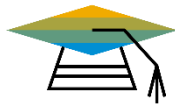
<https://www.sap.com/cmp/td/sap-cloud-platform-trial.html>

Find Developer Tutorials

<https://developers.sap.com/topics/cloud-platform-sdk-for-ios.html#tutorials>

Explore SAP Fiori for iOS

<https://experience.sap.com/fiori-design-ios>



Start SAP Academy for iOS (openSAP)

<https://open.sap.com/courses/ios2>

UA Community Course

SAP University Alliances Learning Room (for faculties)

SAP BTP SDK for iOS Learning Journey

https://help.sap.com/doc/221f8f84afef43d29ad37ef2af0c4adf/HP_2.0/en-US/4baa11599cdf40a88dbdde436ef1266e.html?collapse=

SAPUI5 & SAP Fiori Apps Learning Journey

https://jam2.sapjam.com/groups/MKy8RRwfZzXeihvCiolXmN/overview_page/XtiLcXBCtb_r8RIH9Usy7Ag



SAP Community: SAP Mobile Platform

<https://community.sap.com/topics/mobile-platform>

SAP Community: SAP BTP

<https://community.sap.com/topics/business-technology-platform>

Thank you!

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