Sabre

The event starts soon!

- **Submit questions** by selecting the Q&A feature on the top right of your screen (the moderator will inform when the feature is open)
- Type your question in the compose box and hit “send”
- To submit anonymously, select “ask Anonymously”
- Not all questions may be published or answered
- Upvote questions you want asked

The Virtual Developer Bench

The Developer Experience Team

09 November 2020

Sabre

VIRTUAL Developer Bench

Sabre Red 360 SDK: Scripts to Red Apps

The Developer Experience Team

2020

09 November 2020

Presenters

Alex Xavier
Product Marketing

Lukasz Rycharski
Product Management

Rodrigo Kmaid
Product & Tech Consulting

Alexandre Meneghello
Software Engineering

Avery Perkins
Product Marketing

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The Virtual Developer Bench

The Virtual Developer Bench is the developer's opportunity to engage *directly* with the Sabre experts who know their product inside and out.

At the end of today's call you will:

- Have a strong understanding of the benefits of migrating scripts to Red Apps
- Know what next steps you can take to successfully migrate your scripts
- Receive answers to your submitted questions

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Mentimeter Survey

Please go to www.menti.com
and use the code: 12 68 33 2

60 seconds

Agenda

- The Sabre Tech Transformation
- The State of Sabre Scribe
- Red Apps Architecture and Components
- Scripts to Red Apps Migration
- Sample App
- Q&A

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THE SABRE TECHNOLOGY TRANSFORMATION

Alex Xavier

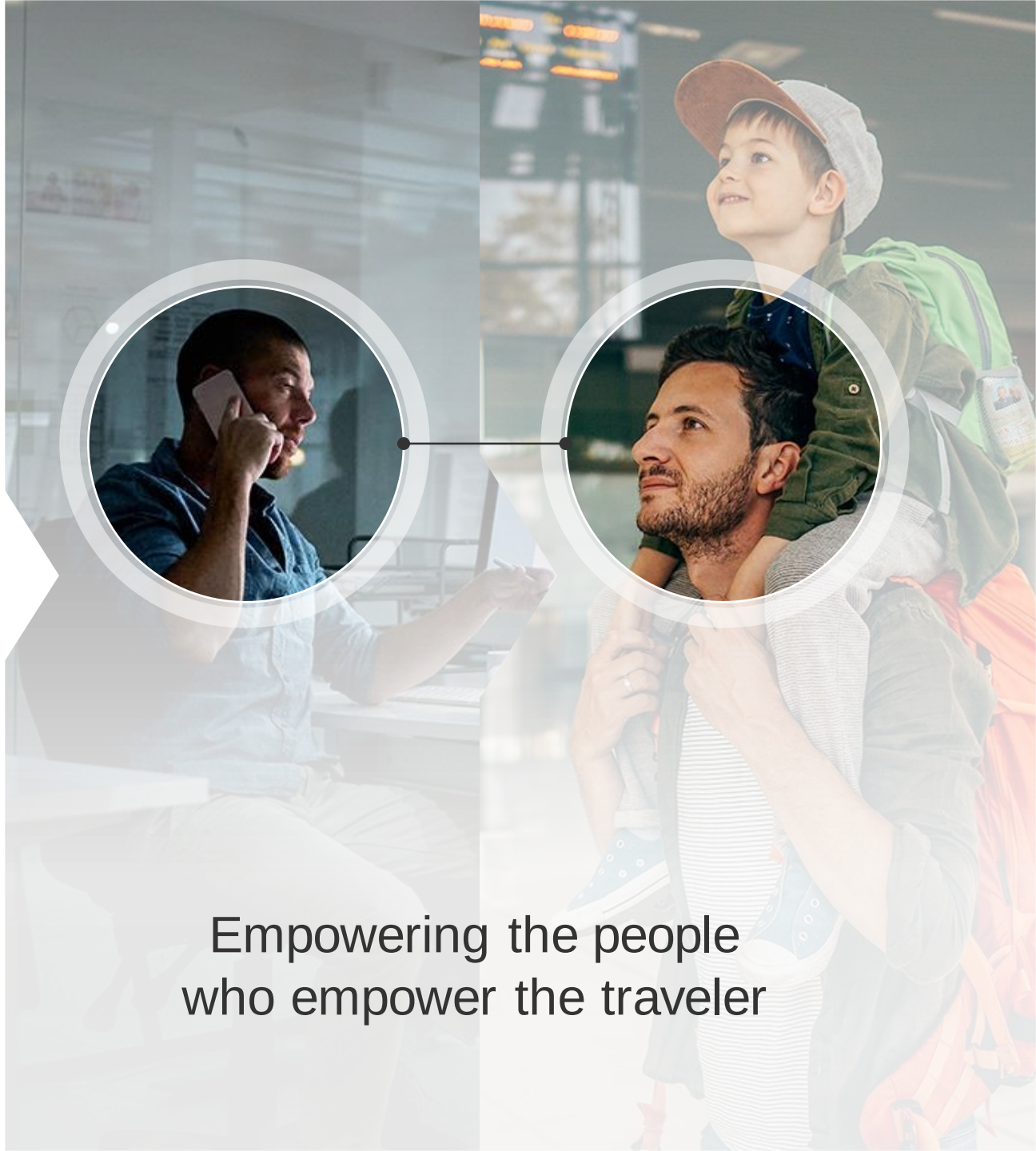
Product Marketing Manager

APIs & Storefront, Data & Product Incubation

Delivering the world's most advanced travel platform

Next Generation Platform (NGP)

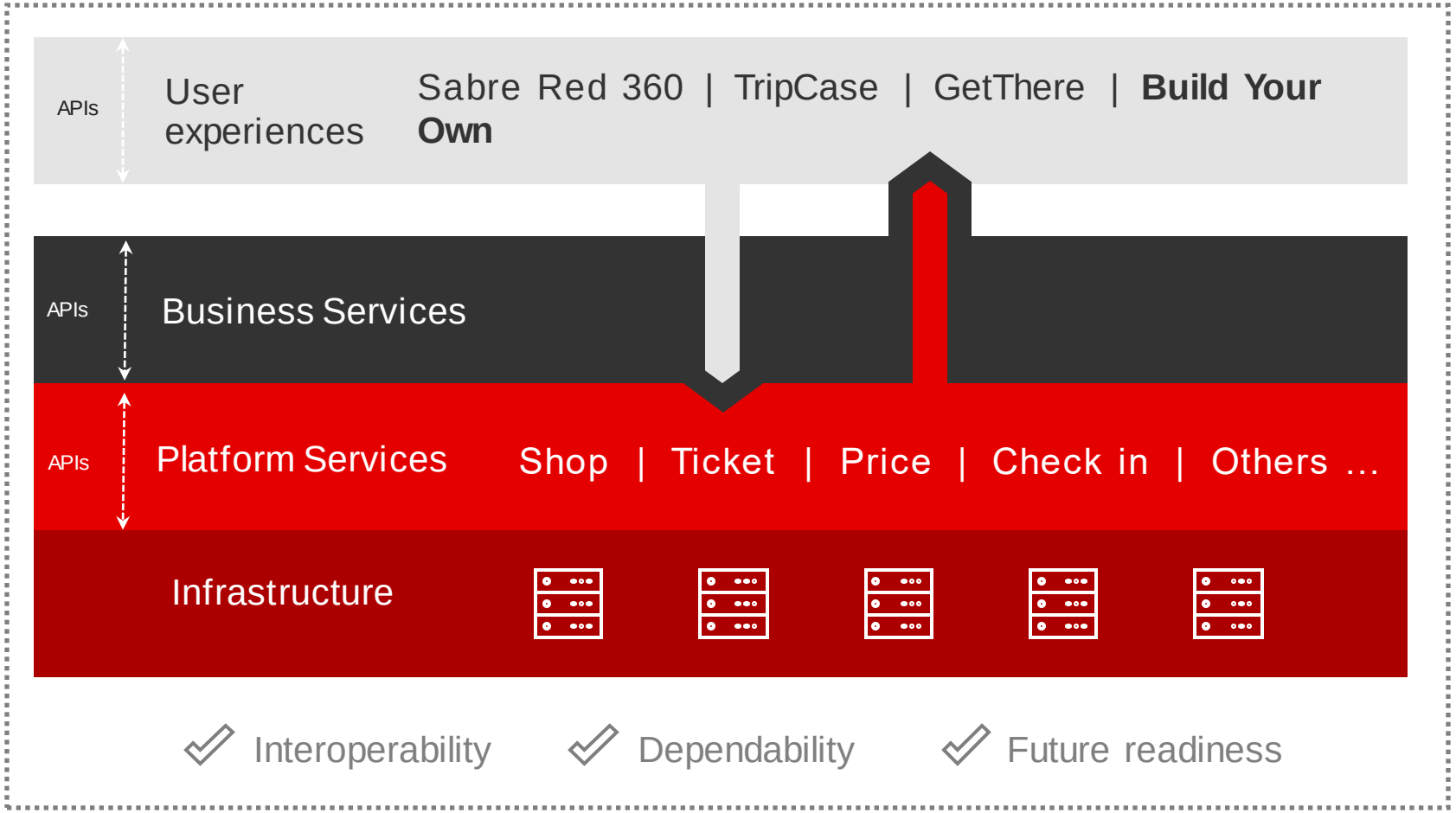
A modern, value-creation platform at the center of the business of travel



Empowering the people who empower the traveler

Sabre Platform

Unified reference architecture



A layered architecture

Modular design increases flexibility and speed to market

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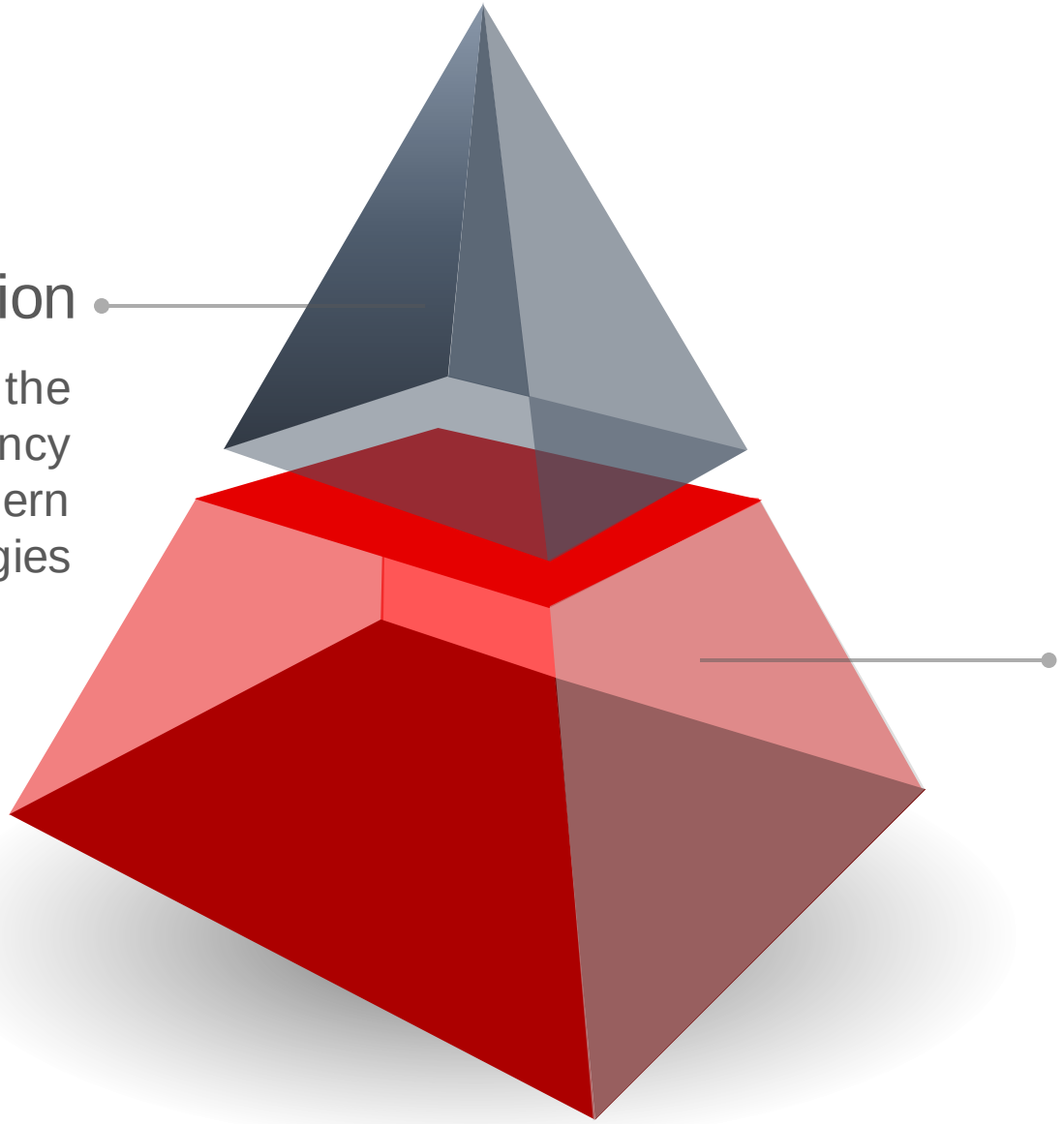
Why change?

Products Transformation

Improving the operational efficiency and support to modern technologies



Sabre Platform

The Sabre Platform creates and accelerates the path to new avenues of growth

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THE FUTURE OF SABRE SCRIBE

Lukasz Rycharski
Product Manager
Sabre Red 360 & SDK

The State of Scribe

2019

March 2020

Scribe enters maintenance only mode

October 2020

Sabre Red 360 Web released to market

November 2020

Sabre Red 360 defaults to CSL

December 2020

End of maintenance for Sabre Standard Script Red App

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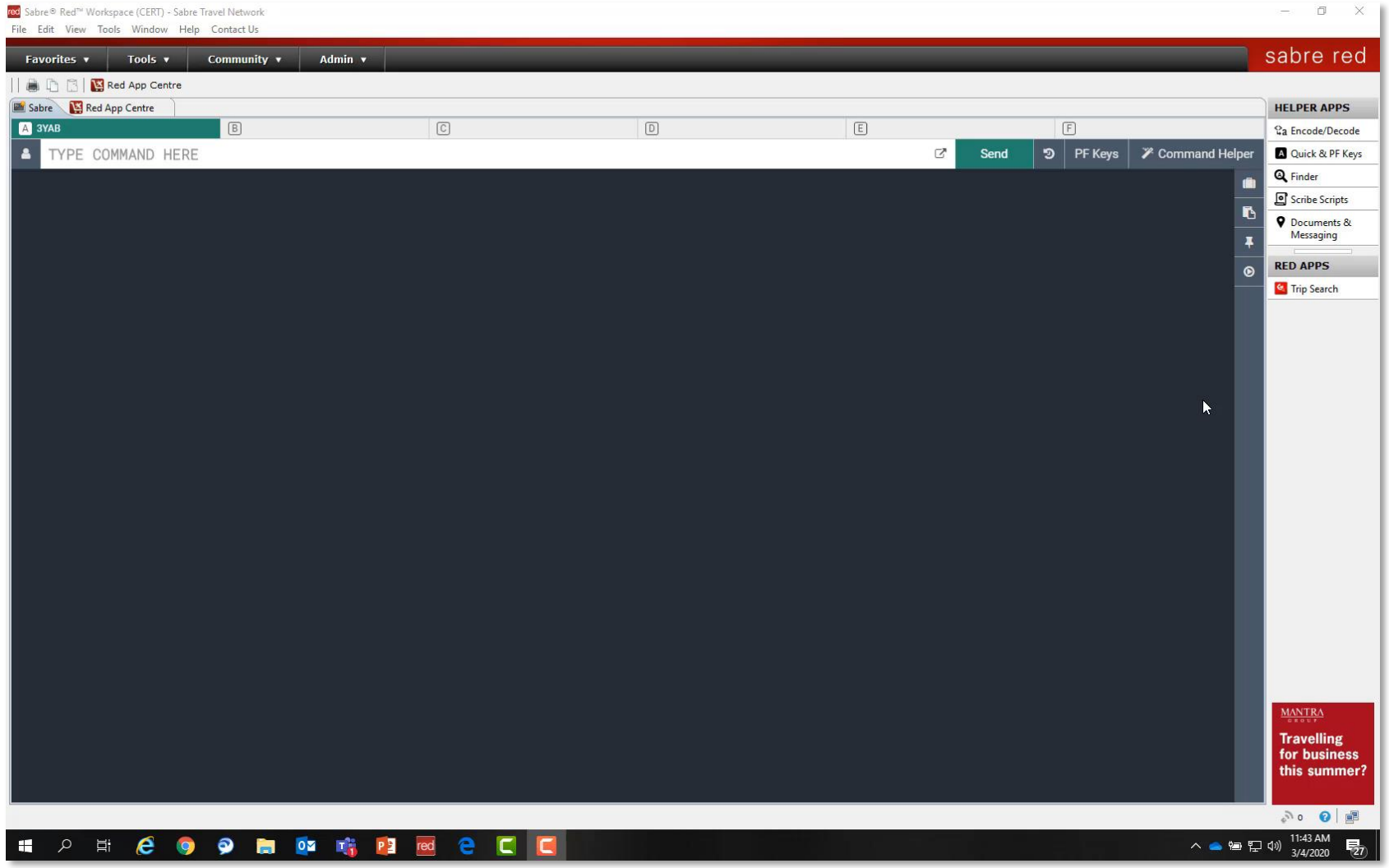
Script Fail



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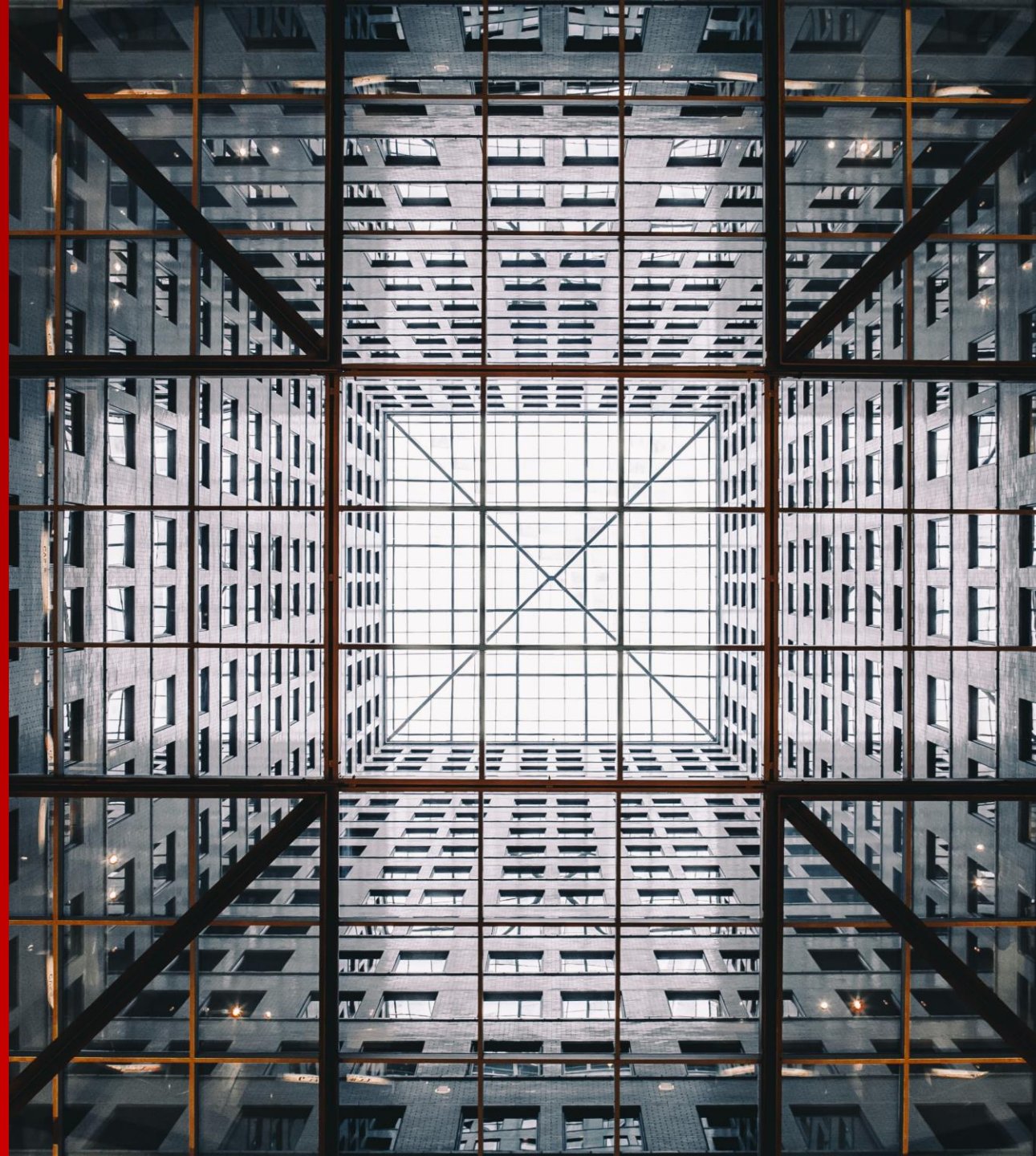
SABRE RED 360 SDK

Rodrigo Kmaid
Product & Tech Consulting



Getting started

Sabre Dev Studio - Developer Tools

Sabre Dev Studio
A hub for the Red App Developer, access on Sabre Dev Studio multiple resources such as Downloads, Documentation and more.

Downloading…
Download latest SDK, Eclipse IDE 64bit, JDK 32 1.8u25.

Install Java + Eclipse IDE
Create a folder and extract the downloaded Eclipse IDE.

Configure Target Platform
Install Java libraries and the Sabre Red 360 runtime environment for Red App development. Configure runtime and debug settings to test the App during coding.

Documentation and Tools
Locate the Index help file, navigate through help topics, install Wizards and Helper for Eclipse IDE

Sample Resources and Support
Locate and import the Red App sample code, know where to find additional support and knowledge.

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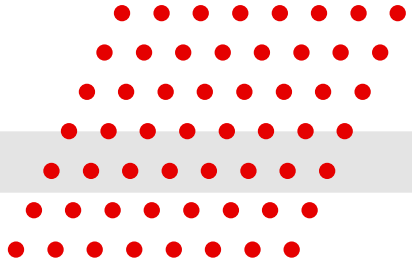
Sabre Red 360 SDK – Customize it!

One Sabre. One Platform. One Workspace. **One SDK.**

Desktop Red Apps
Point of Sale Extensibility

Web Red Apps
Advanced Point of Sale Extensibility and Workflow Configuration.

Sabre Red 360 SDK
(runtime target platform, eclipse development tools, documentation, sample code)



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Services and APIs to fit your use case

Front-End

Editor
Contribute with a "full screen" tab placeholder for your content

View
Compliment to main SRW user interface, can be positioned side by side .

Notification
Display configurable pop up that requires user attention,

Dialog
Present modal dialogs for exclusive interaction with user workflow

Java

Web Kit Wrapper
Bring Web content inside the workspace, HTML 5 /CSS content supported

Javascript API
Javascript to Java "bridge" that allows calls to CF and Backend services

JavaScript

Tile Widget
Contribute to Response Panels UI-Command Helper Shopping flows

Forms
Contribute to Command Helper flow, to perform data gatherin, processing, rendering of custom content

TypeScript

Communication Foundation

Sabre APIs
Acces to Sabre APIs.

HOST
Send one or series of host commands (stateful HOST services).

Manual Command Services
Synchronous user interaction – manually modify or block Sabre formats

Manual Command Events
Assynchornous capture of formats and responses sent through manual command flow , allow customization based on context

Get PNR
Obtain a strongly typed dataset w ith a copy of Travel Itinerary in the current session

Business Events
Subscribe and listen to contextual based events.

JBPM Extensions
Subscribe and listen to contextual based events.

Refresh Trip summary
Synch up modifications in the PNR between front-end (Sabre Red 360 UI) and back-end (Host).

Java

Back-End

SSO
Single Sign On

Agent Profile
Retrieves information from the profile of an agent currently logged into Sabre Red 360

Logging
Log messages and errors for workspace auditting and support

Config Services
Store user settings and preferences

First Run
Know when RedApp runs for first time, configure post-install settings

Java

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APIs and Services

Agent Profile Service

This service retrieves information from the profile of an agent currently logged into Sabre Red 360 (PCC, EPR, etc.)

CF Service

Ability to send cryptic commands to the screen or to send commands to the host and retrieve their response without the user seeing the command

Logger Service

The Logger Service class provides logging services for a plug-in.

- Capture a message in a log file.
- Capture a message that is combined with an exception in a log file

Sabre API s

Ability to consume our catalog of SOAP and REST APIS though simple methods

Extension Points

Interject Sabre workflows

- ability to stop or modify the workflow triggered by the agent

Configuration Services

Config services stores properties that other plug-ins use, for example host names, port numbers and web addresses, simplifies maintenance of your application.

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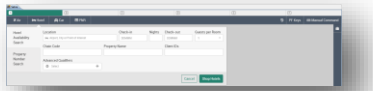
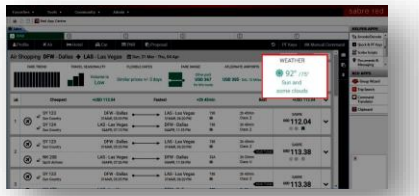
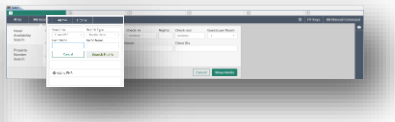
Reimagining the User Experience

Sabre Red 360	Decision Support Bar	Panel Widgets	Custom Forms	Workflow Extension Points
UI contribution				
What	Interactive widget, real shopping data	Widgets in expanded inline shopping	Menu-driven forms	Interject Sabre workflows
When to use	Insights to help agents make decisions	Integrate 3rd party or Agency owned data	Custom menu-driven workflows	Quality Assurance, backend workflow customization
Use Cases/Examples	Weather Forecast, etc.	Upsell/Cross sell	Custom workflows	Human tasks (pop-up window)
				

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Supported Technologies

- You have the freedom to choose from a variety of technologies when creating your Red App.

JxBrowser

eclipse

Java

HTML

Sabre

Behind Web Module Development

TypeScript IDEs

+

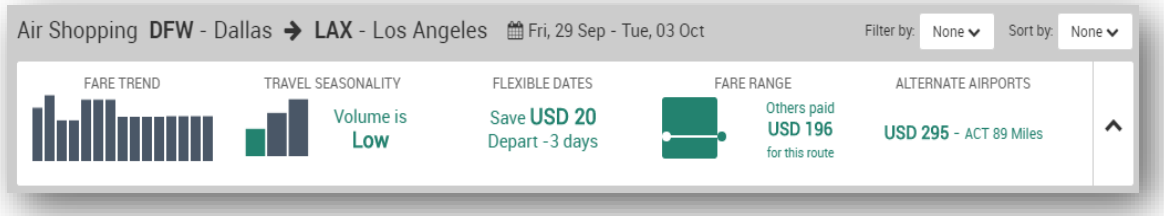
Sabre Concierge tool

+

JavaScript

(Typescript API)

=



WIDGET

TypeScript

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Q&A

Rodrigo Kmaid
Product & Tech Consulting

LIVE DEMO

Alexandre Meneghello
Sabre Red Apps Dev Evangelist & Software Engineer

Q&A

Mentimeter Survey

Please go to www.menti.com and use the code: 41 06 16 2

60 seconds

FEEDBACK

Have a suggestion for the next Virtual Developer Bench? Looking to provide feedback?

Contact us at VirtualDeveloperBench@sabre.com!

Avery Perkins
Product Marketing Manager

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