Sabre Red 360 SDK Basics FAQs

Below are questions that we received in the SDK Basics Virtual Developer Bench session on September 8, 2021.

Where can we download the SDK?

You can download the SDK [here](#).

Where can we access the presentation from the session?

You can access the presentation here.

What development languages and prerequisites are required to build a red app

We recommend building a Web Red Apps from now on which is utilizing TypeScript. The benefit of it is that single app will work in both Desktop and Web access to Sabre Red 360. Alternatively, Java can be used to develop applications for Desktop only use. For Desktop only use other technologies can be mixed in too if needed.

What is the difference between a Web Red App and a Red App (classic)?

The main difference beyond technology (TypeScript vs. Java) is that Web Red App will work in both Sabre Red 360 Web and Desktop, while classic Red App will work only in Desktop environment.

At my agency we don't have Web or Java developers capable to implement our Sabre Red 360 customizations. Does Sabre offer help with those services?

Sabre Services team can aid with Red App development however it's capability is limited and delivery times may be long. There is a list of Sabre preferred vendors that can be hired for Red App development. List of Sabre partners can be found on [Sabre Developer Partner Network](#).

Do I need to register or acquire Developer credentials in order to Build a Red App?

Developer credentials are not needed to build an app or to learn and experiment with SDK. However it is need to publish and distribute the application. Additional information can be found [here](#).

Can I access Sabre GDS Host from Red App perspective?

Yes, Red Apps are being executed in context of user session and can access 'GDS' via commands or APIs to implement required business logic.

Is there a way to develop Web Red app on Linux?

Currently we offer only Windows and macOS development environments.

Are there any sample code or initial project code that we can go through for both Java and Typescript?

Every SDK version comes with a Samples folder which consists of example applications. In addition, we offer [videos](#) covering some of the aspects of Red App development.

Is Agent ID and PNC needed? Is there a way to get one for testing purposes?

PCC and ID are not needed for the development however are needed to test. Local agency admin should be able to provide CERT PCC_EPR.

How do you get access to the following endpoint? https://api-crt.cert.havail.sabre.com/v2/offers/shop/flights?mode=live

Sabre APIs can be called from within SDK (please review REST and SOAP API call samples). However, if this question is about consumption of Sabre APIs by external system then Sabre Web Services contract is needed.

As we transition, is there a way to call a script from workflow or have a script call a workflow?

Scripts cannot call a workflow and workflow cannot call script.

How do you export from command line for Red Web Apps?

Command listeners are being replaced by Extension Points which allow to intercept Agent's initiated workflow and inject custom logic. List of available extension points can be found [here](#).

How long does it take to approve a patch?

The first version of the Private Red App takes up to a week to approve as it contains manual certification step. Subsequent versions are automatically validated, and process takes minutes. For Public Red Apps every version is being certified manually.

When submitting the request on the Red App Centre, will it ask me if this for a Script to Red App Migration?

Red App Center does not ask for the migration. Submitter should include in the description of your Red App project that it relates to a script migration.

Is documentation for adding certificate available on developer portal? Could you provide the link?

Adding a certificate is documented within SDK documentation [here](#).

Can you please explain more about code signing and certificate? do we have to purchase code signing certificate from 3rd party under publisher name? And what will

happen if certificate expires after one year, do we have to publish the app again with renewed certificate ?

Yes, code signing certificate must be purchased from one of the supported Certificate Authorities. Valid certificate is required when submitting new version of Red App. Expired certificate does not require new version of the application to be submitted. List of supported CAs is available [here](#).

Can Red Apps call other Red Apps?

Yes, it is possible via event mechanism.

Do we need to have all of our Sabre scripts re-written into a Red App?

We recommend reviewing current process that depend on scripts and deciding how it should look like in 1-5 years from now to come up with a plan for what makes sense to be converted to Red App and what not. Some of the current scripts maybe not be needed anymore, may be replaced by Sabre Red 360 workflows, or other tools (e.g. Automation Hub).