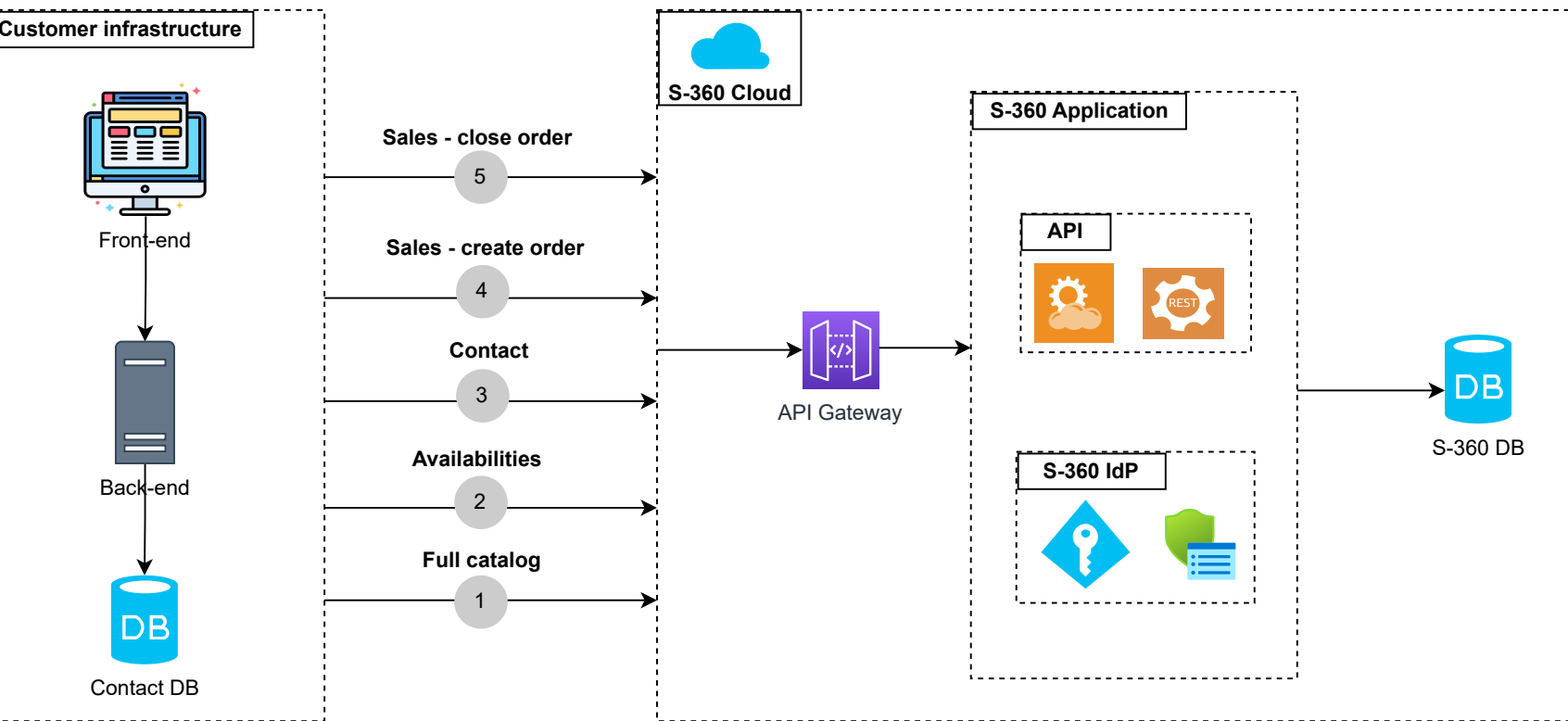# Reference Architecture diagram for Ticket Distribution Integration

The Reference Architecture diagram illustrates how the SecuTix platform facilitates ticket distribution partners integration, enabling seamless interfaces.

This architecture diagram highlights the integration principles that govern the interaction between SecuTix and the ticket distribution's application across various use cases. It serves as a visual guide, outlining the essential components and communication flow necessary for successful integration with S-360.

Customer infrastructure

Front-end

Back-end

Contact DB

Sales - close order — 5
Sales - create order — 4
Contact — 3
Availabilities — 2
Full catalog — 1

S-360 Cloud

API Gateway

S-360 Application

API

S-360 IdP

S-360 DB

Secutix Architecture Reference

SecuTix
THE TICKETING ENGAGEMENT PLATFORM

1. **Full Catalog** : S-360 Catalog API, allows you to retrieve the full catalog. This includes detailed product descriptions, such as names, dates, tariffs, prices, and sales periods. Given that using the catalog API can be expensive and is subject to rate limits, it is crucial to implement an effective caching strategy and then just call **getLastSetupUpdate** (Catalog). For further information, please refer to the catalog backend API page.

2. **Availabilities** : S-360 offers an API for retrieving the catalog & availability updates. These availabilities are categorized using color codes. The availability service offers data access through four key methods:

   - **getProductAvailability**,
   - **getEventAvailability**,
   - **getPerformanceAvailability**,
   - **getSeatsAvailability**.

   Typically, these are best used hourly, with a maximum frequency of 1 call per minute, particularly leveraging **getUpdatedAvailabilities** for monitoring product changes. To maintain data freshness while respecting API limits, implementing caller-side caching is recommended. You can find more information on the availabilities API pages.

3. **Contacts:** Administer your contacts with ease using S-360's API. The **ContactInformationService** allows you to efficiently create, update, and delete contacts, among other functionalities. Associates can easily link Contacts with addresses and set criteria. Access our Contact API pages for user-friendly documentation.

4. **Sales - create order** : Initiating a sales workflow is simplified with S-360's varied APIs, aiding in the creation and closure of orders.Starting by checking product availability with the Availability API (done in Step 2). then proceed to **GetPosConfig.** Following these **ExternalOrderFacade** web service.retrieve the payment method ID through the
   Explore the sales pages for more details and practical examples.

5. **Sales - close order** : To finalize the order, the utilization of the **ExternalOrderService** API is required, it will close the order, and the payment will be done using a pending account associated to the ticket distribution partner.
   Once the order is closed, a ticket code bar is sent back, to print the tickets within the distributor application.
   Further details and illustrative examples can be accessed on the sales pages.

All the API definitions and specifications, can be found in the Secutix platform website.