

fiskaltrust.Middleware

Technical introduction for PosCreators



Agenda

- Functionality & architecture
- Interface, data flow & failure scenarios
- Operation & configuration
- Live-Demo
- Phases of integration
- Tools to support integration & rollout
- Getting started, documentation & support

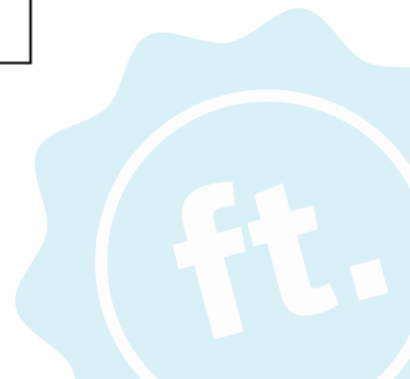
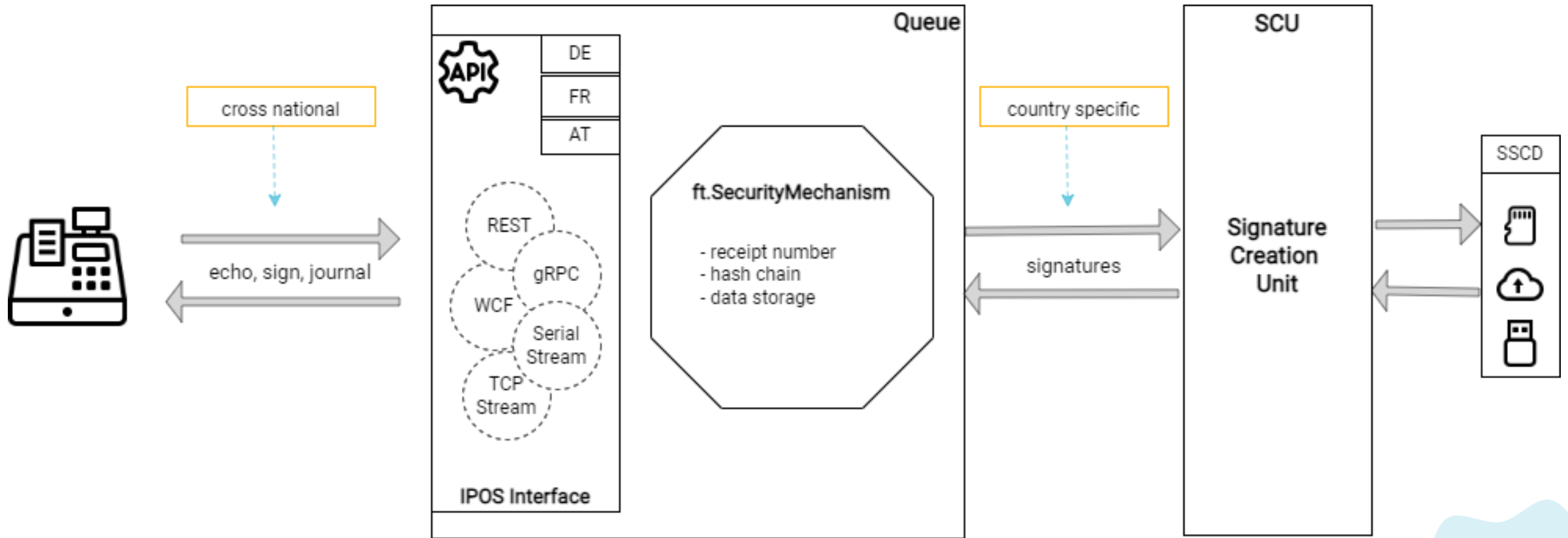


Functionality & Architecture



Functionality & Architecture

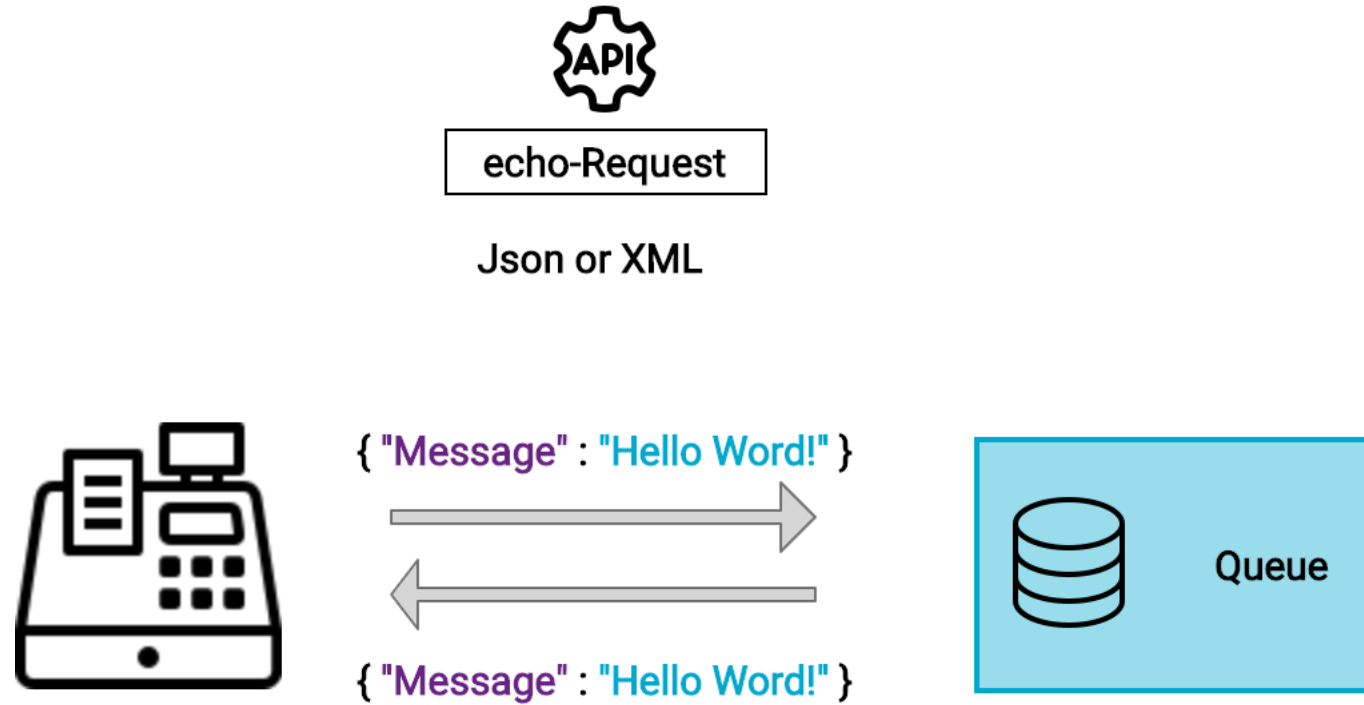
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Interface & data flow

Communication tests
with the **echo** method





Interface & data flow

The **sign** method, including special receipts and failure scenarios



Sign



sign-Request

Json or XML

request header

charge items

pay items

request footer



response header

additional
charge items

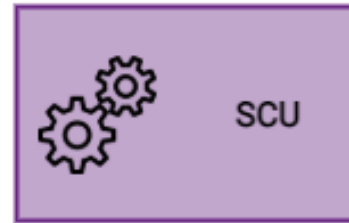
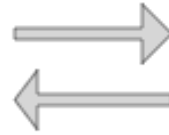
additional
pay items

signatures block

response footer



Queue



SCU

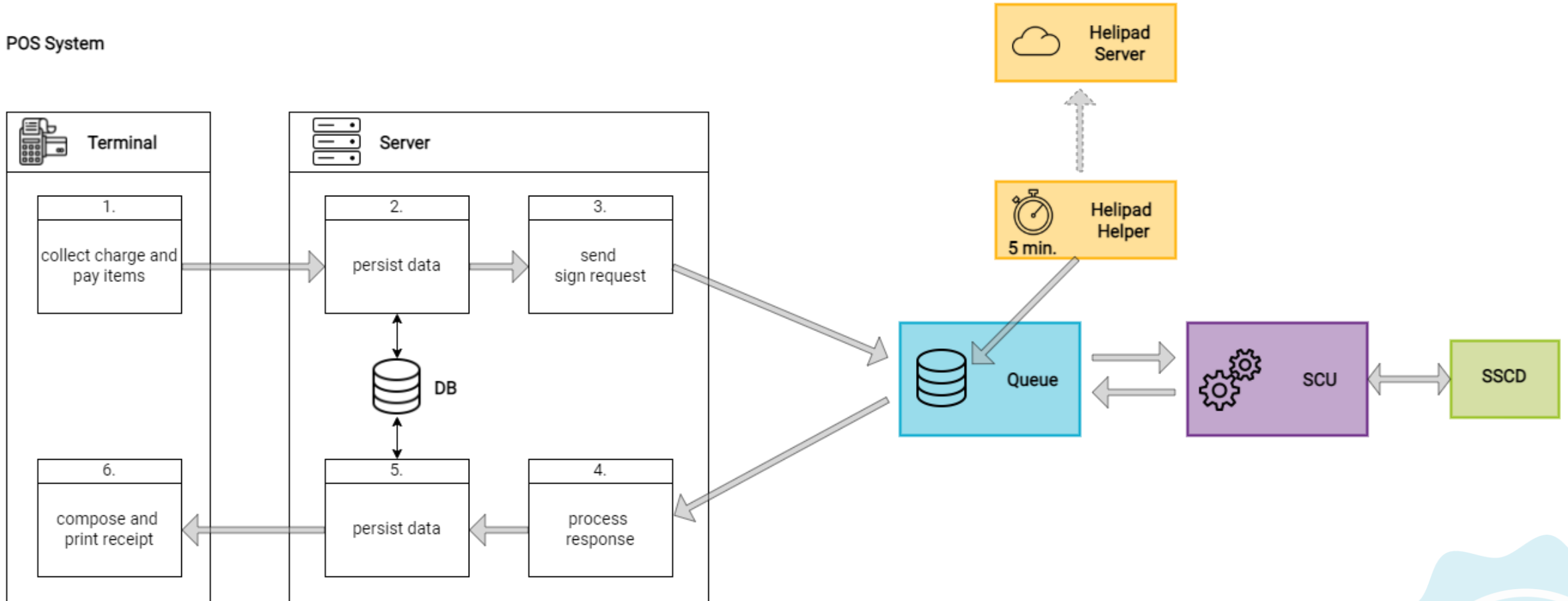


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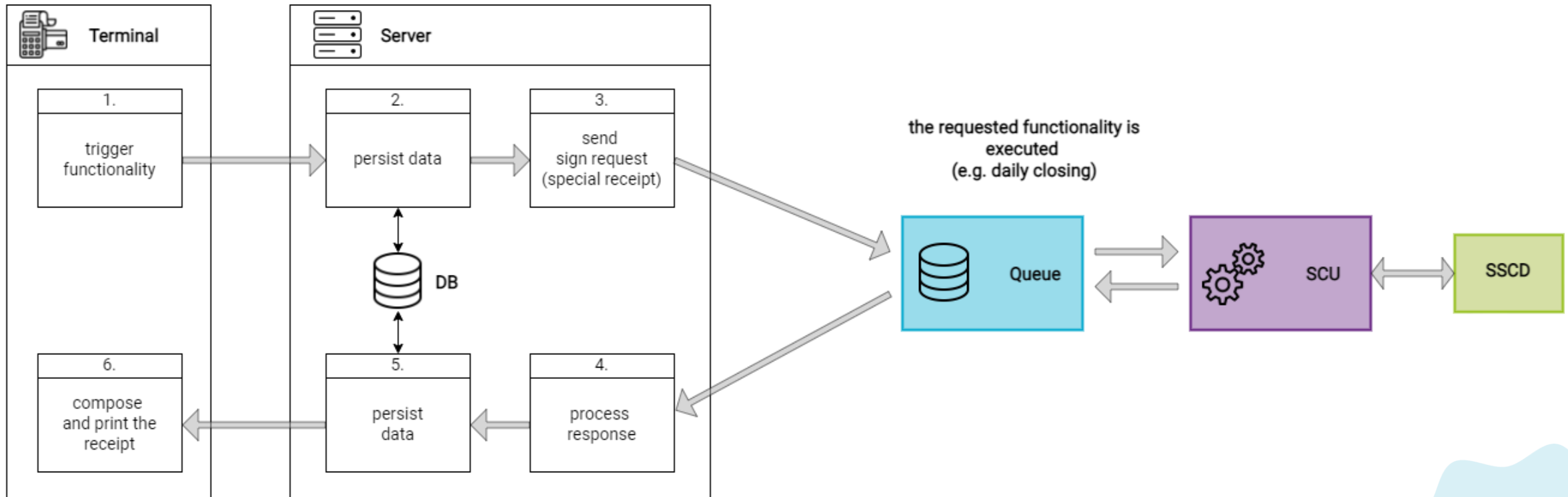
Sign data flow

POS System



Sign data flow: Special receipts

POS System

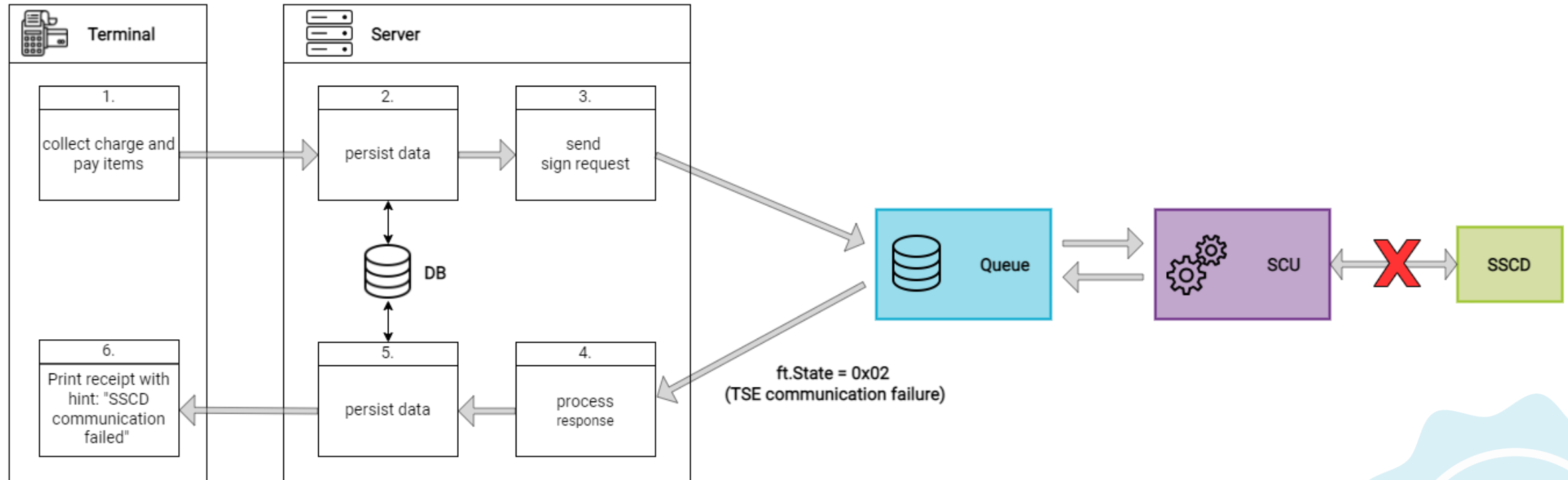


Special receipts are used to execute specific functionalities, like zero receipts and daily closings.



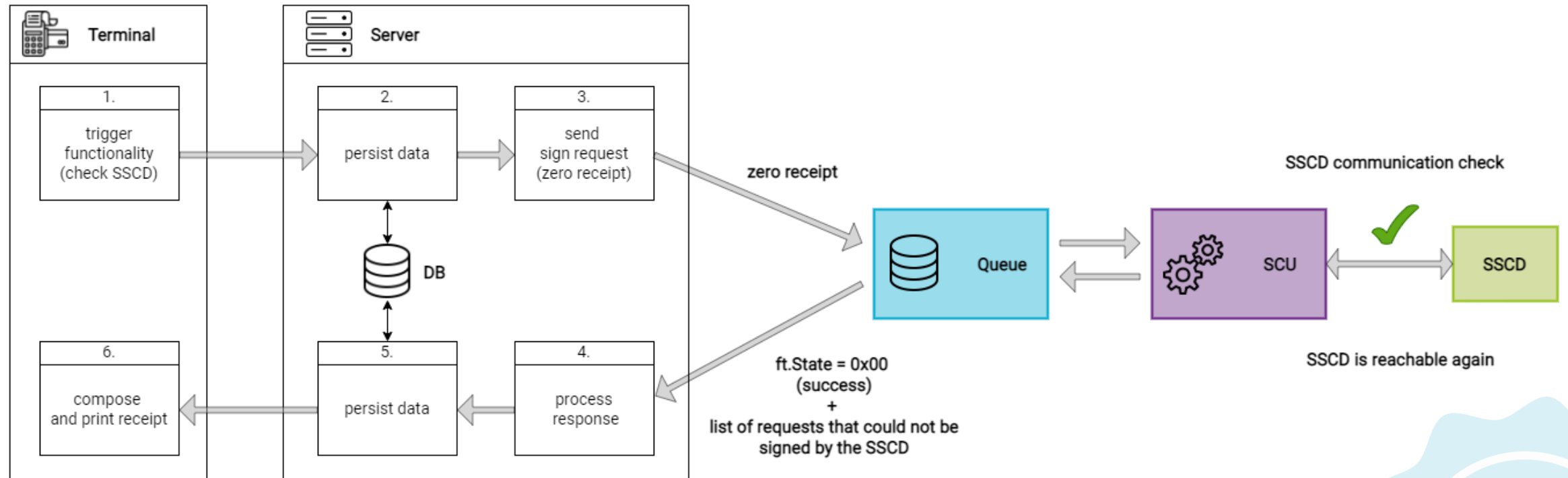
Failure scenario 1: Signing device not reachable

POS System



Failure scenario 1: Signing device is reachable again

POS System

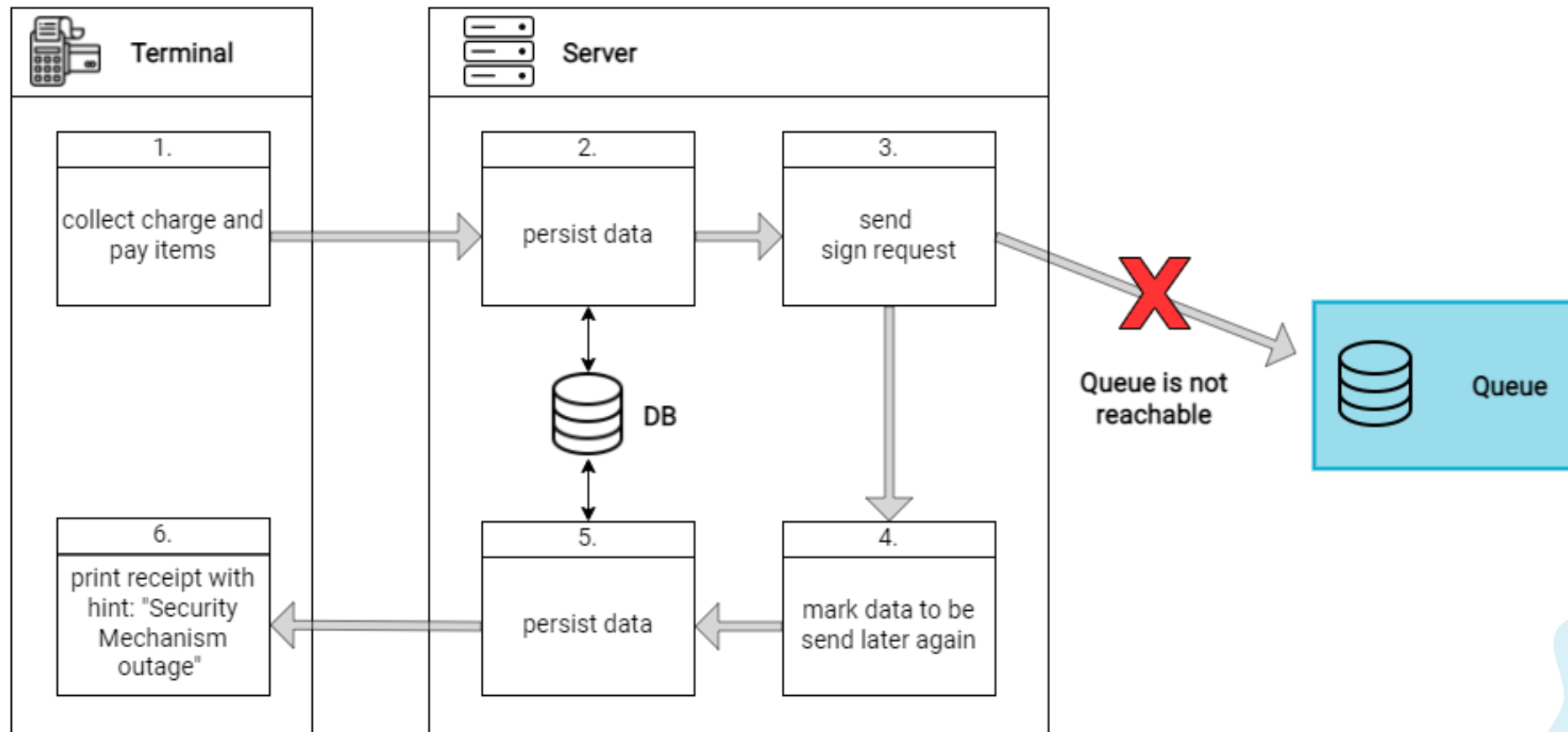


Receipts don't need to be re-sent to the Middleware



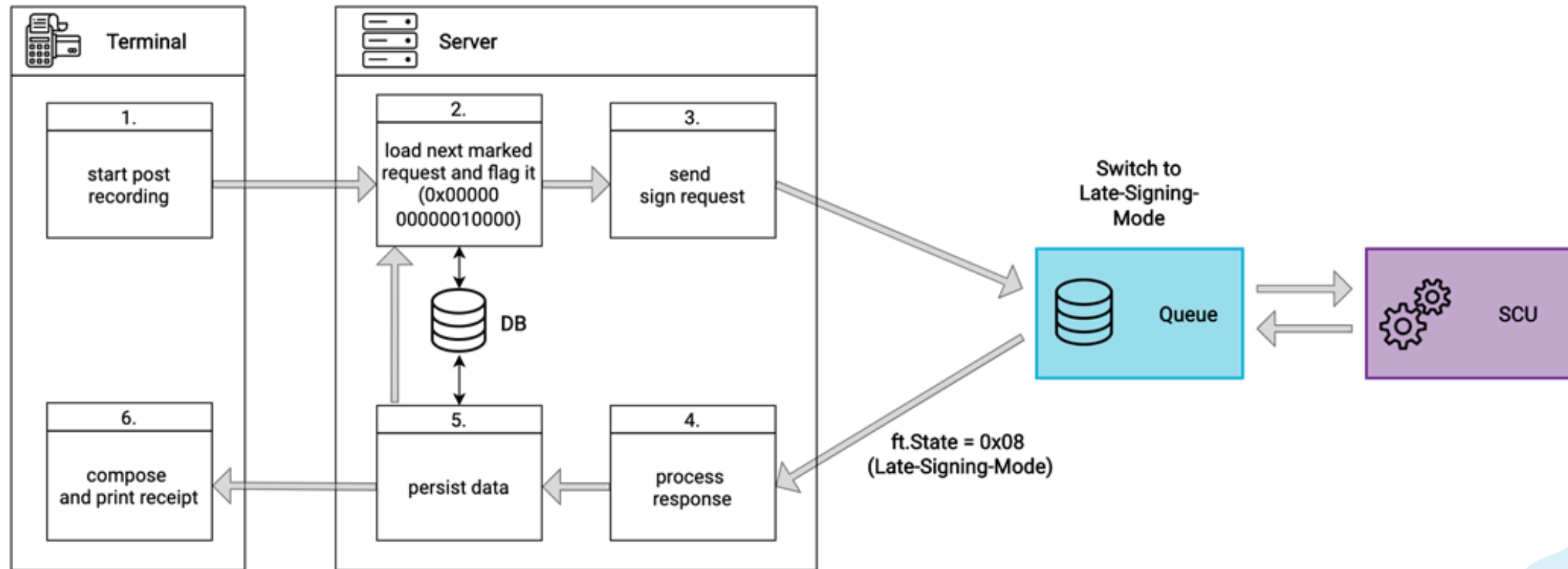
Failure scenario 2: Middleware not reachable

POS System



Failure scenario 2: Middleware is reachable again

POS System

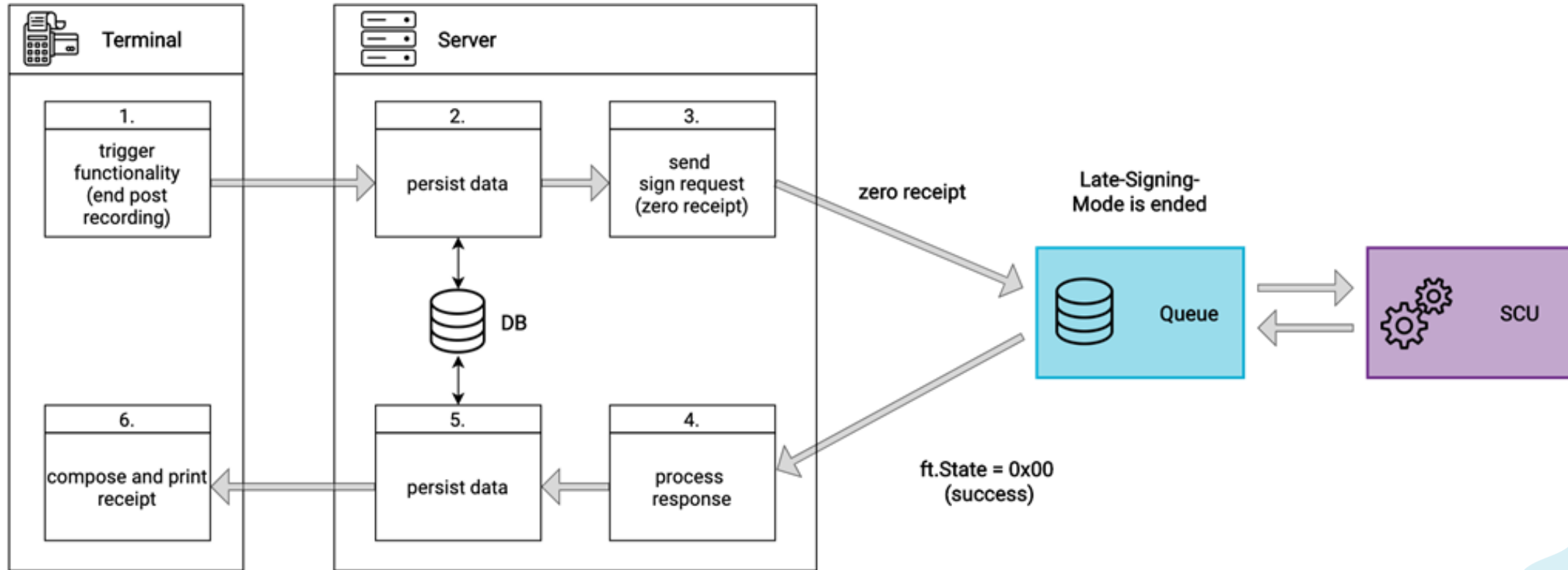


Receipts need to be sent to the Middleware in late-signing mode



Failure scenario 2: Middleware is reachable again

POS System



A zero receipt needs to be sent to leave the late-signing mode



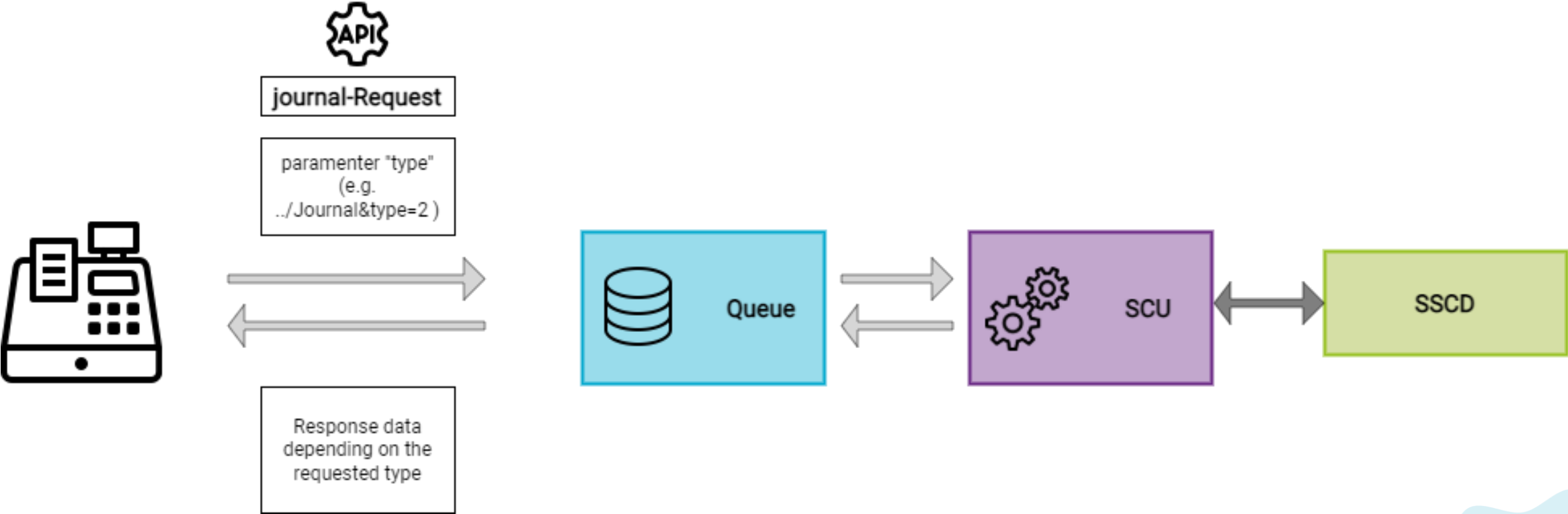
Interface & data flow

Query data exports with
the **journal** method



Journal

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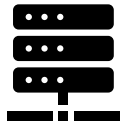
Operation & configuration of the Middleware



The Middleware can be operated in a broad variety of environments to fit all users needs.



Locally on the cash register



On a server in the **local network**



In a **data center**



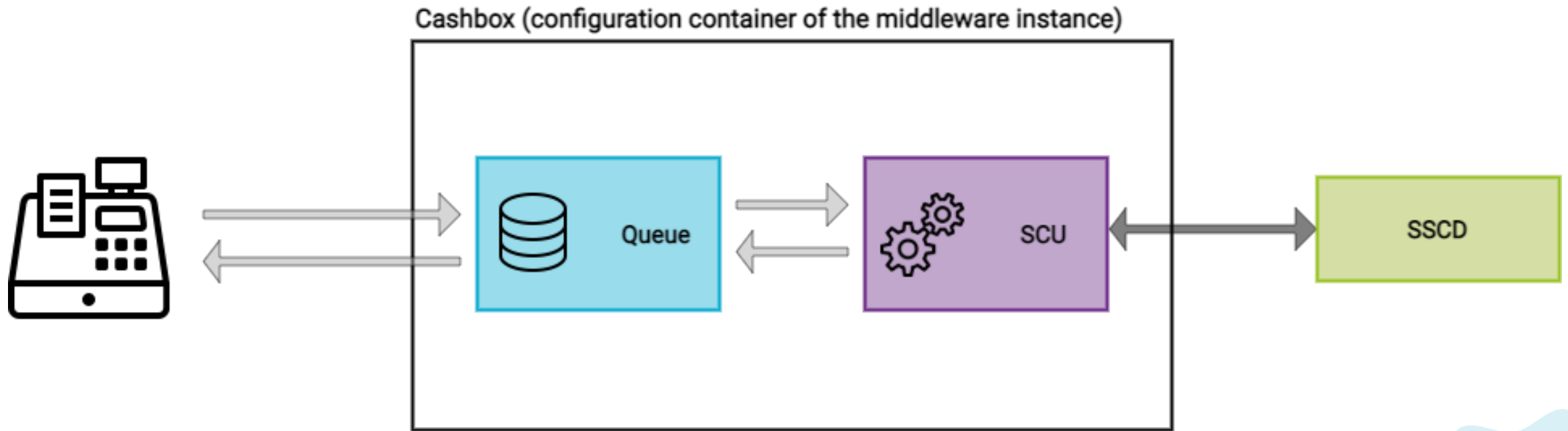
In **fiskaltrust's cloud** *

** Due to legal regulations, the cloud hosted
Middleware is currently not available in Germany*



Configuration of a middleware instance (Cashbox)

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Rollout scenario examples are available
on docs.fiskaltrust.cloud



Live-demo

Configuration, installation & requests via Postman



Phases of integration

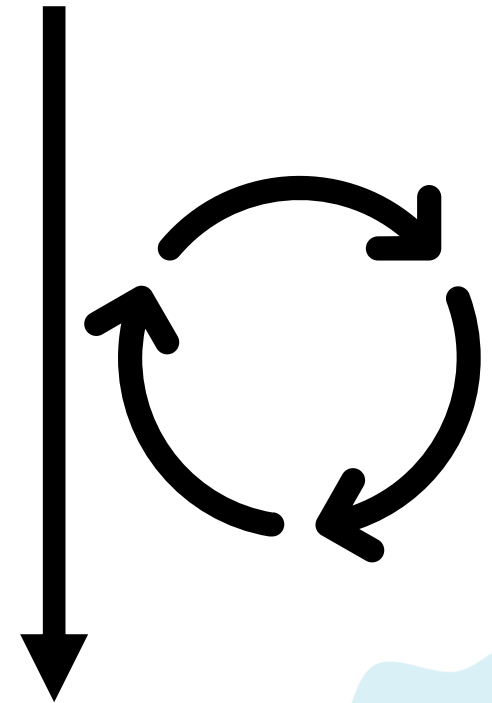
Recommendation



Phases of integration (recommendation)

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1. Setup developer environment
2. Implementation phase
 - Business cases for the specific use-case
 - Required special receipts
 - Handling failure scenarios
3. Invitation of POS Dealers, prepare templates & rollout
4. Implementation of missing, complex business cases
5. Pilot installations in collaboration with POS Dealers
6. Handover for rollout to your POS Dealers



Tools to support integration & rollout



Portal features for POS Creators

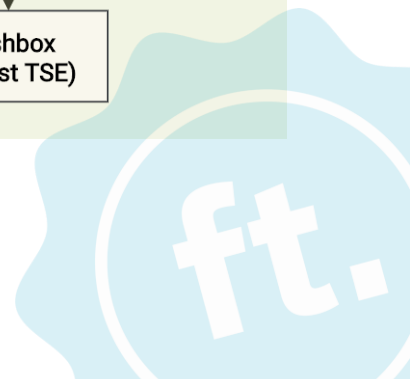
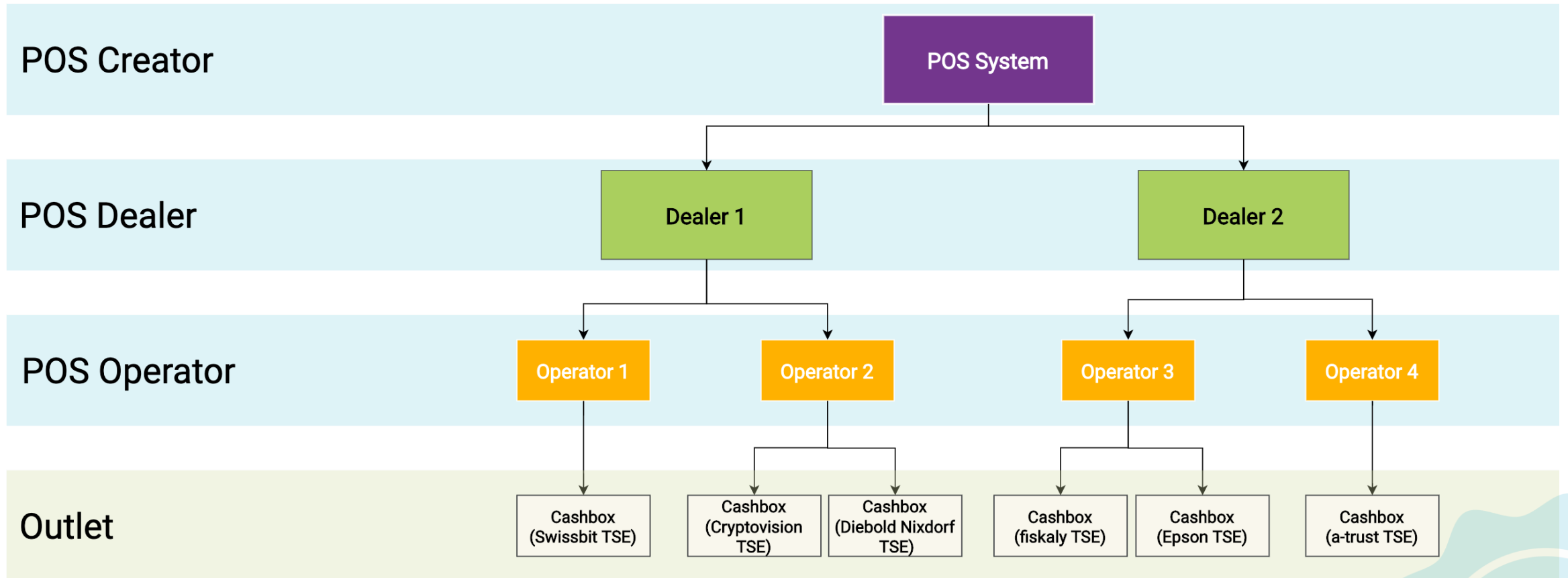
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- ◆ Registration of your POS System
- ◆ Configuration and testing of your Middleware integration
- ◆ Connect POS Dealers to your POS system
- ◆ Manage configuration templates for a simpler rollout for your POS Dealers



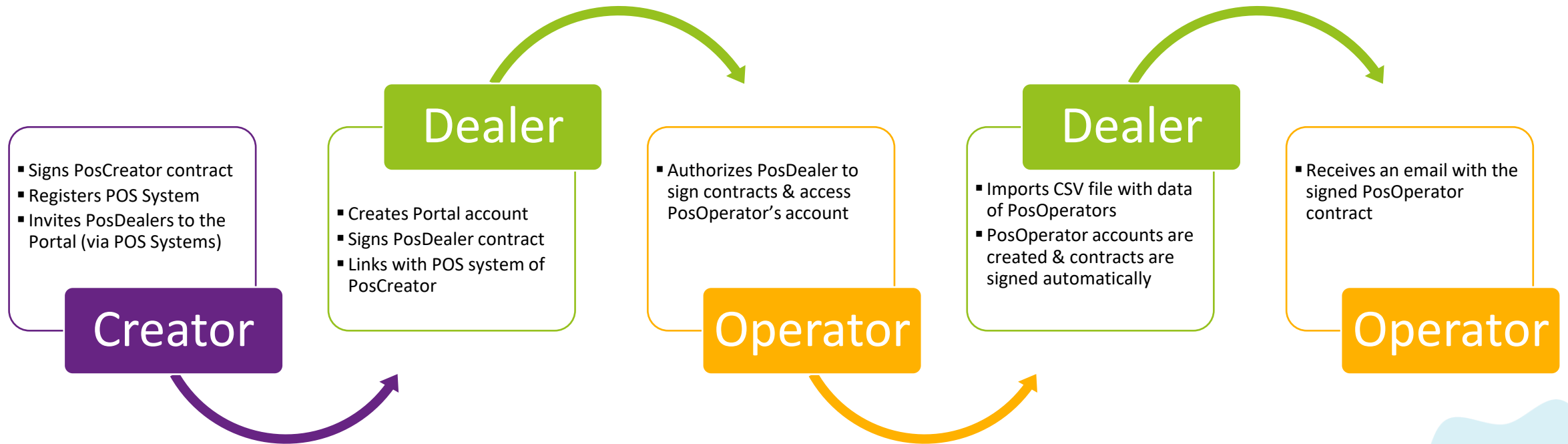
The Portal as rollout management tool

fiskaltrust.



The Portal as rollout management tool

fiskaltrust.



Tools and APIs for process automation

Different automation levels for rollouts:

- ◆ Everything done manually with the Portal's **Shop and Configuration settings**
- ◆ Semi-automated via the Portal's **Rollout Management**
- ◆ Fully automated via API

Details can be found on docs.fiskaltrust.cloud

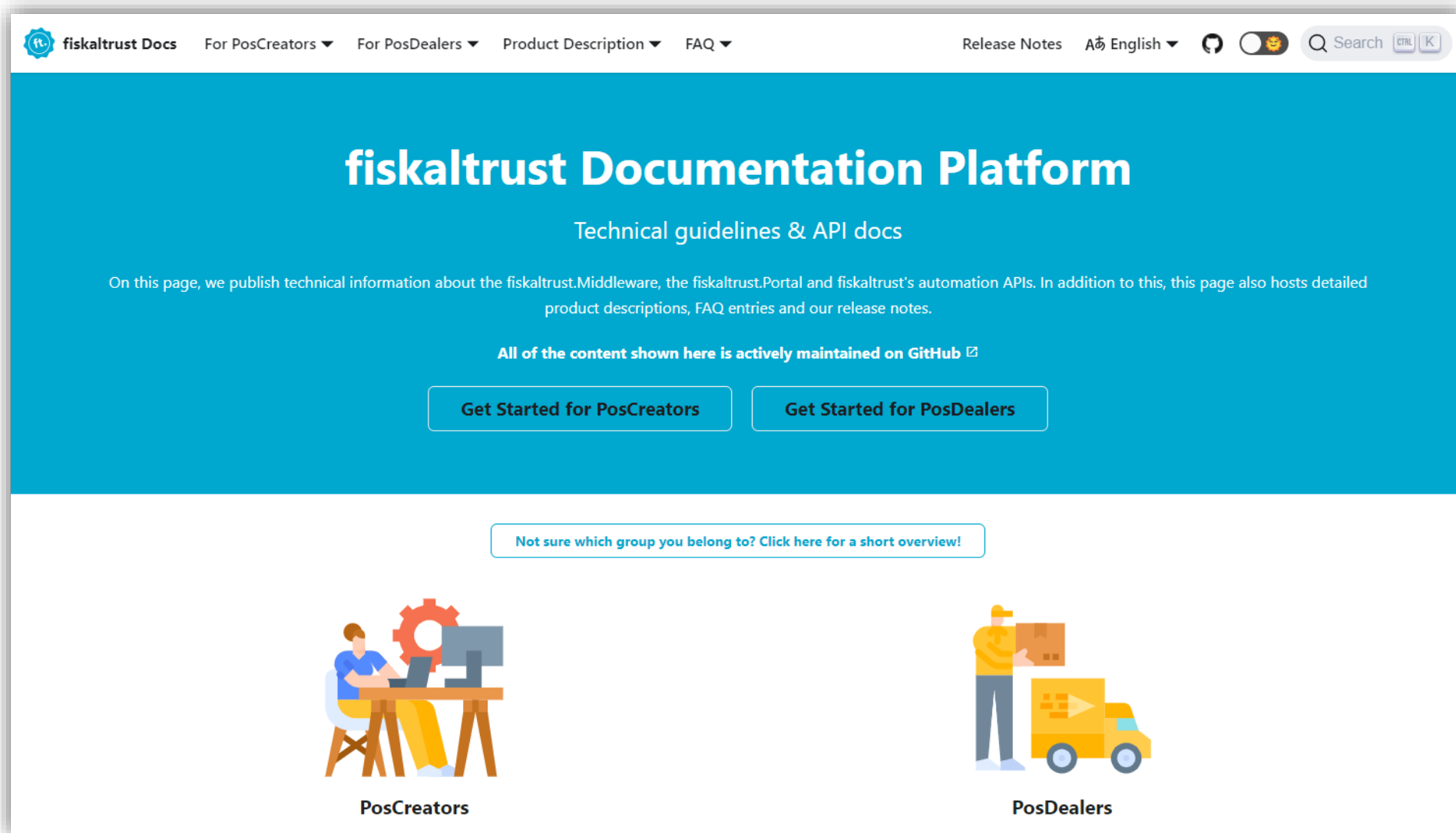


Getting started, documentation & support



Getting started & documentation

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The screenshot shows the top navigation bar with the 'fiskaltrust Docs' logo, dropdown menus for 'For PosCreators', 'For PosDealers', 'Product Description', and 'FAQ', and links for 'Release Notes', 'English', and a search bar. The main content area has a blue background with the title 'fiskaltrust Documentation Platform' and the subtitle 'Technical guidelines & API docs'. A paragraph explains that the page publishes technical information about various APIs and hosts product descriptions, FAQs, and release notes. A link points to the GitHub repository. Two buttons are provided: 'Get Started for PosCreators' and 'Get Started for PosDealers'. A callout box asks users to click for an overview if they are unsure of their group. At the bottom, there are two icons: one for 'PosCreators' (a person at a desk with a gear) and one for 'PosDealers' (a person with a delivery truck).

fiskaltrust Docs For PosCreators For PosDealers Product Description FAQ Release Notes English Search

fiskaltrust Documentation Platform

Technical guidelines & API docs

On this page, we publish technical information about the fiskaltrust.Middleware, the fiskaltrust.Portal and fiskaltrust's automation APIs. In addition to this, this page also hosts detailed product descriptions, FAQ entries and our release notes.

All of the content shown here is actively maintained on GitHub

Get Started for PosCreators Get Started for PosDealers

Not sure which group you belong to? Click here for a short overview!

PosCreators PosDealers

<https://docs.fiskaltrust.cloud>

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Support flow

1. Check our documentation on docs.fiskaltrust.cloud
2. Register in the Production Portal on portal.fiskaltrust.XY (de || at || fr)
3. Visit the Portal's Knowledge Base in the Help section for frequently asked questions and solutions
4. If the question still can't be answered, reach out to us via support@fiskaltrust.XY (de || at || fr)

**Thank you very much for your
attention!**

The logo for Fiskaltrust is a light blue gear-like shape with a white outline. Inside the gear, the letters 'ft.' are written in a white, lowercase, sans-serif font.

ft.

Q&A

