KRYPTON-HUBSHAKE INTEGRATION

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**Purpose**

* Set hubshake as the multi-branch Back office of Krypton Retail POS and Krypton Restaurant POS if client has a multiple branch.

**Definitions**

* **posBang Sync Service**– An application for Krypton POS to connect to an API to send sales transactions, receive master list and update local inventory. Serves as a middleware for Krypton and Hubshake. This application is a windows service communicating the Hubshake via API (check API documentation for more details) and the POS via local Database. Installed per terminal.

**System Process Flow**

1. **Hubshake sends/updates master data to terminal/s**.

1. **Hubshake updates item quantities of branches.**This triggers every time there’s an item quantity update (e.g. Purchase Orders, Transfer Tickets, Item Requests or Manual Update). Hubshake holds the true quantity of items per branch.

1. **Terminals sends transactions to hubshake.**This triggers every after a transaction is settled. All pending/open transactions are not synced except for work order transaction on retail part.

* **If unable to connect to API** **on sending transactions**, the service will create an “.out” file that is to be send later if connection is already available. File are located in application folder/Out/.

**Service Settings File**

I.) Sections:

* **cn-local** – Krypton POS local MySQL connection credentials
* *user* – username
* *pw* – encrypted password
* *db* – database
* *flag* – MySQL settings separated by semi-colon. Default flag after installation is required.

* **pos-config** – POS-Service configuration
* *last\_in\_synced\_inventory\_update\_date* – last inventory update date. Must be in UTC datetime format “yyyy-MM-ddT HH:mm:ss.ffffZ ” (e.g. “1990-01-01T 00:00:00.0000Z”). Starts with “1990-01-01T 00:00:00.0000Z” value.
* *last\_out\_synced\_date* – last synced date on sent transactions. Date and time format must be in local “yyyy-MM-dd HH:mm:ss” (e.g “1990-01-01 00:00:00”)
* *pos\_type*– Krypton POS type if “restaurant” or “retail”

* **api-auth –**connection credentials to API
* *header –*http request header
* *body-grant\_type –* security grant type on API
* *body-client\_id* – client id on API
* *body-client\_secret* – client secret id on API
* *host* – API host
* *read\_write\_timeout* – http read and write timeout settings.

     ii.) Settings.ini sample format:

[cn-local]

host=localhost

port=3306

user=root

pw=MjFwb3NpbmNiaWJpemE0MDEyMDA2

db=my\_database

flag=DefaultCommandTimeout=0;ConvertZeroDatetime=True;

[pos-config]

last\_in\_synced\_inventory\_update\_date\_time=1990-01-01T 00:00:00.0000Z

last\_out\_synced\_date=1990-01-01 00:00:00

pos\_type=retail

[api-auth]

header-content\_type=application/json

body-grant\_type=client\_credentials

body-client\_id=1

body-client\_secret=a1b2c3d4e5f6g7h8i9j0k1l2m3n4o5p

host=https://mkk.dev.hubshake.com

read\_write\_timeout=100000

**API Documentation**

[https://documenter.getpostman.com/view/5406065/RWaNQSbs#5db1691f-cc98-44c4-9f18-c7c6d3663116](https://documenter.getpostman.com/view/5406065/RWaNQSbs%235db1691f-cc98-44c4-9f18-c7c6d3663116)