

pykis.py demo application

Disclaimer.

It is my first Python application. Sorry.

Pykis was tested only on win64, and may be work on linux. But you need tibrv*.so libraries. Sorry.

For run pykis.py you need:

1. If you do not have Tibco RV dll on your path, add *.dll files. I put it in python.exe catalog.
2. In K+ interface add new Import Server Client in my case "RV_TEST"

Name	Type of Validation	Client Key	Active
KPLUSIMPORT	Semi-Automatic	1	
MODULLAR	Automatic	Request 1383	X
RADIUS	Automatic	Request 7193	X
RV_TEST	Automatic	EquitiesDeals	

Import Server Client Name:

Type of Validation:

Folder:

Codifier Root:

☐ Use default correspondent

☐ Execute SQL procedure:

3. Switch kis to RENDEZVOUS_MODE in entities/Standalone/config/kis.params

```

#
#
#
#   Name of the Kondor+ Import Server port defined
#   between the Kondor+ Import Server and the client
#   default: kis_port
KIS_PORTNAME kis_port
#
#
#
#   Defines the output directory for Kondor+ Import
#   default: /usr/kplushome/entities/Standalone/log
LOGDIR /usr/kplushome/entities/Standalone/log/periph
#
#
#
#   Number of days before the Kondor+ Import Server
#   If you do NOT want the log files to be deleted,
#   default: 15
LOGREMOVE 15
#
#
#
#   Allows KIS to communicate with clients either b
#   by means of Tib/Rendezvous
#   default: TCP_IP_MODE
#COMM_MODE TCP_IP_MODE
#COMM_MODE RENDEZVOUS_MODE
#
#
#
#   Is KIS allowed to add/modify users
#   default: TRUE
ALLOW_USER_MODIFICATION TRUE
#
#
#

```

And restart kis

If you pass verbose flag you can get link to RV web interface

startksrv Standalone kis -vALL > /kis.log

4. Edit init section in pykis.py
 - serv = "kis_port" (from kis.params file)
 - host = "kondor" (K+ server name)
 - codifier = "RV_TEST" (from Import Server Client interface)
 - daemon = "tcp:" + host + ":7500" (may be you need to change default RV port)
 - network = ""
 - service = "8888" (from kis.params file)
 - dateformat = "DD/MM/YYYY" (you can try to change it if you receive KIS error)
5. Change deal params in pykis.py
 - a. Date
 - b. Equity
 - c. Folder
 - d. etc.

pykis.py output

Connect...

Version is 8.5.0 **version of rv dll**

Connect to daemon tcp:<server name>:7500

Listening on: _INBOX.AC12C437.3C42205F22C58F11D8.1

Send to: OKAPI.INBOX_REQUEST.kis_port.<server name>

Successfull identification **if you sent wrong information kis will not answer it, you can check kis string from RV web interface**

Connected to KIS

Send EquitiesDeals message

Send to: _INBOX.AC12C437.DDCEBA85F21C74A443F.1

{Type=2 Inbox="_INBOX.AC12C437.DDCEBA85F21C74A443F.1" Key="EquitiesDeals" Data Type=6
KPLUSFEED={Kondor+TableId="0" Connection_Acknowledgement="kis"}} **Acknowledgement from kis**

Recieve: _INBOX.AC12C437.3C42205F22C58F11D8.1 _INBOX AC12C437

{Type=2 Inbox="_INBOX.AC12C437.DDCEBA85F21C74A443F.1" Key="EquitiesDeals" Data Type=6
KPLUSFEED={Kondor+TableId="-2118"}} **if all is OK you get K+ EquitiesDeals_Id**

Recieve: _INBOX.AC12C437.3C42205F22C58F11D8.1 _INBOX AC12C437

Deal in K+

The screenshot shows the 'Equity/Commodity Deal@M-TKondor' application window. The interface includes a top toolbar with icons for file operations and a search bar. The main area is divided into sections for deal information and input fields.

Deal Information:

- Deal: SIM_IMP_EQU:2118
- Date-Time: 30/07/2020 16:05:19
- Hierarchy: D_REGION \ D_ENTITY \ MODELKPLUS \ TEST_FX
- Block Number: 22337984
- Version: [empty]
- User: KPLUS

Quick Input: BUY TEST AAPL Q12.00 333.50 USD DEFAULT

Deal Details:

- Folder: TEST | TEST GATE
- Counterparty: [empty]
- Equity: AAPL | APPLE_INC
- Trade Date: 25/01/2020 | Payment Date: 27/01/2020
- Settl. Date: 27/01/2020 | Clearing Mode: DEFAULT
- Deal Currency: USD
- Quantity: 12.00000000
- Price: 333.50000000 USD
- Gross Amount: 4 002.00 USD
- Estimated Price: [empty]

Thanks.