NiFiaaCode - ReadMe

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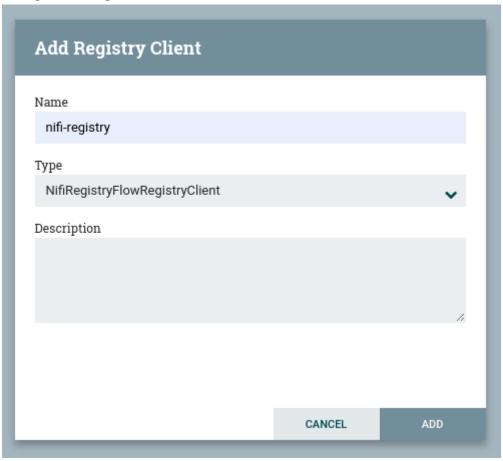
NiFi registry configuration

NiFi registry i native version control system for NiFi environment. It's configuration is only based on registry client configuration in:

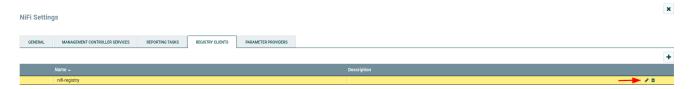
NiFi_Setting > Controller_Settings > Registry_Client

How to configure

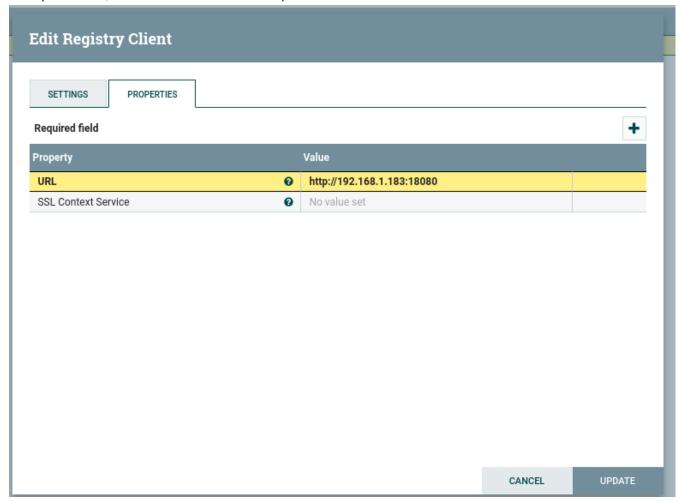
- 1. go to: NiFi_Setting > Controller_Settings > Registry_Client and add new item
- 2. configure setting:



3. edit created service



4. set up an URL, in our case SSL is not required

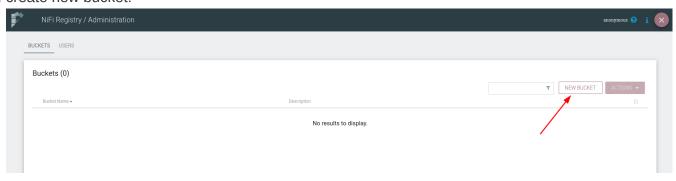


5. log in to NiFi Registry web site: http://<ip_address>:18080/nifi-registry/

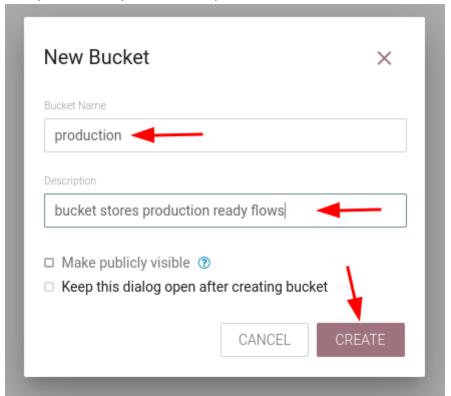
6. go to settings:



7. create new bucket:

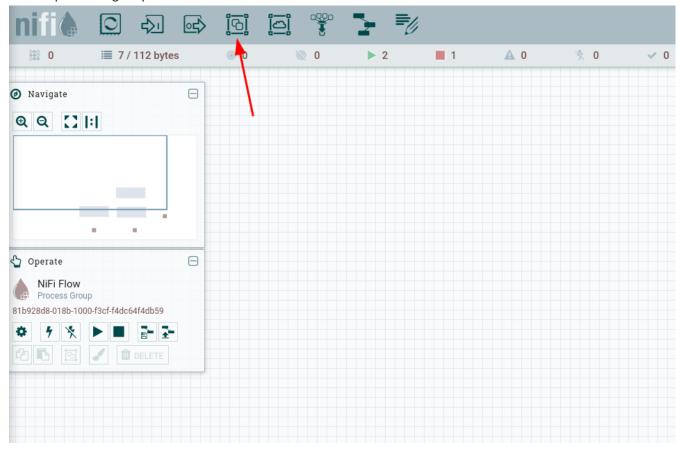


8. set up name and provide description:



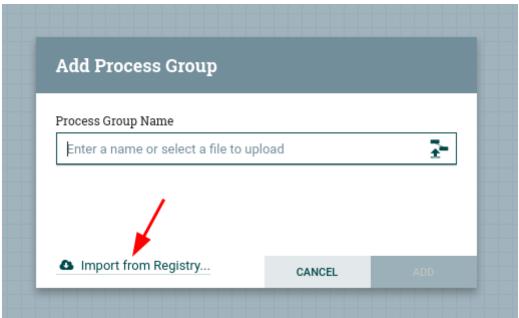
How to use at NiFi side

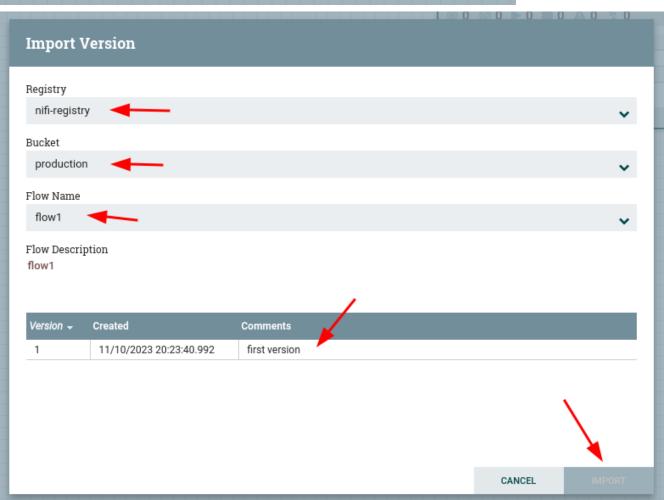
1. create process group:



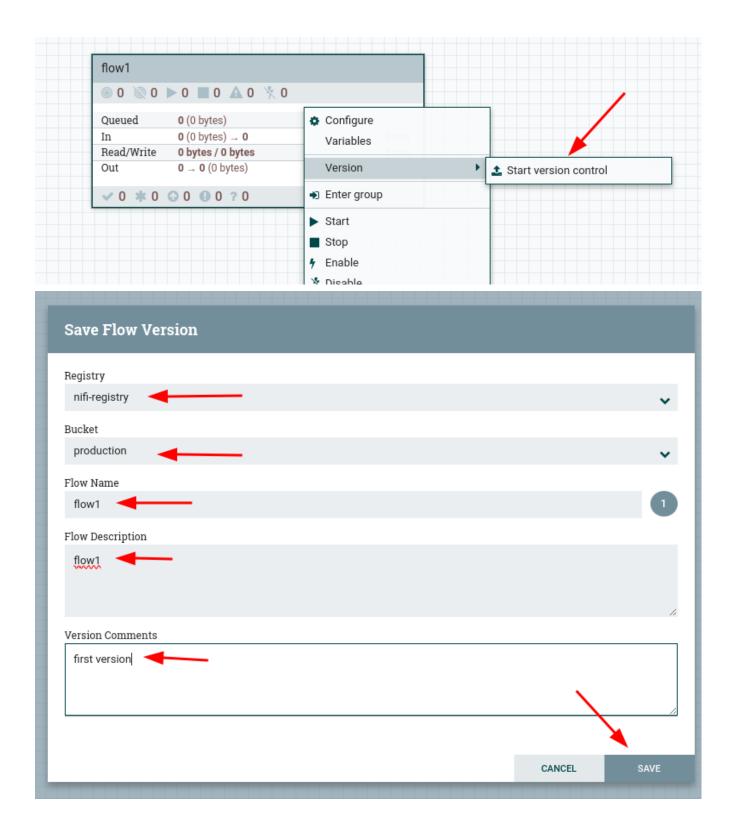
2. Use registry

2a. import flow from NiFi Registry



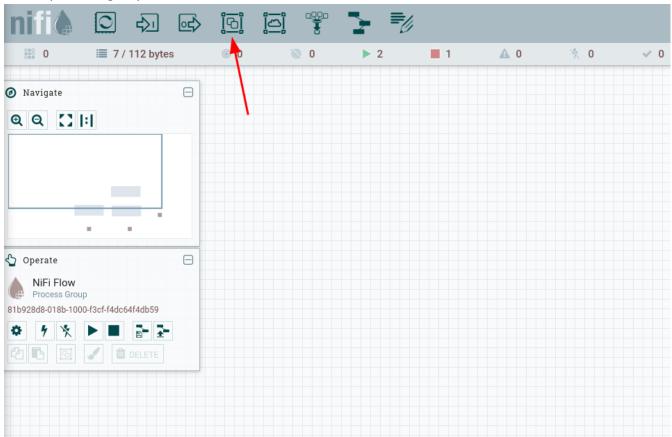


2b. start versioning already created flow:

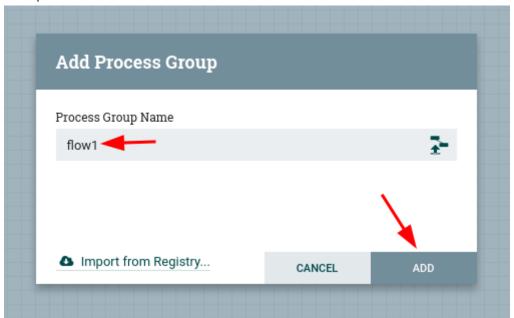


How to create a Process Group

1. create process group

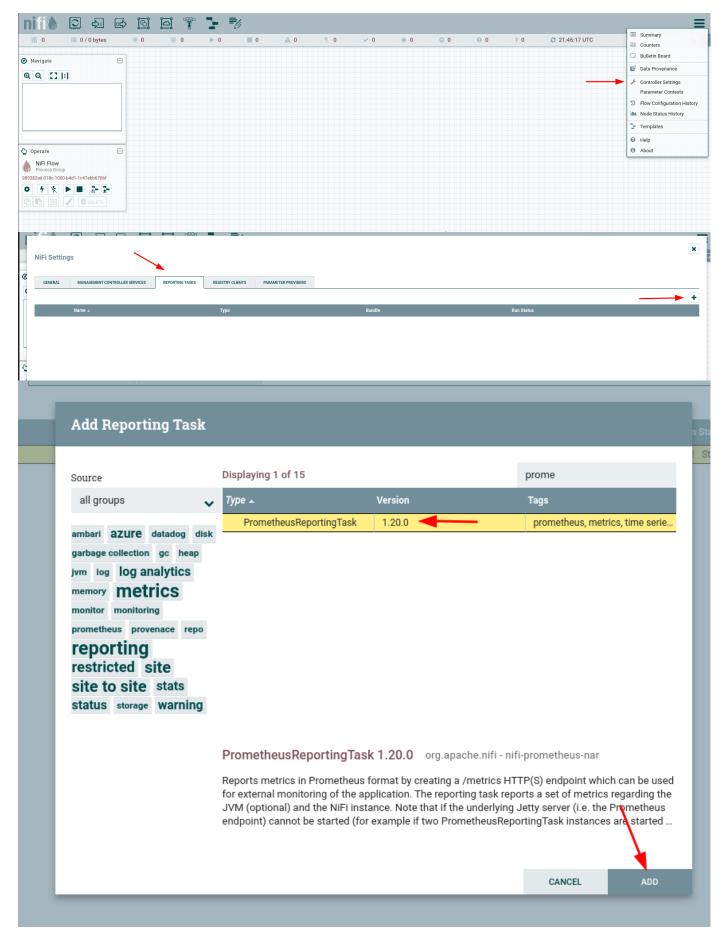


2. set up a name and confirm

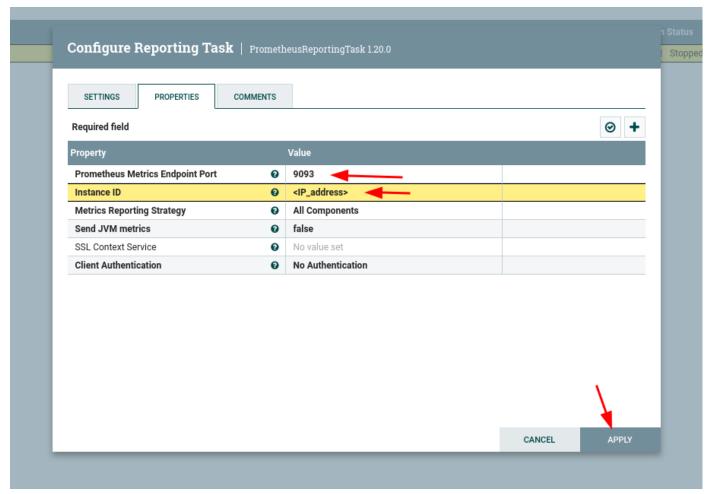


Prometheus configuration from NiFi side

create reporting task service



click pensil to edis settings

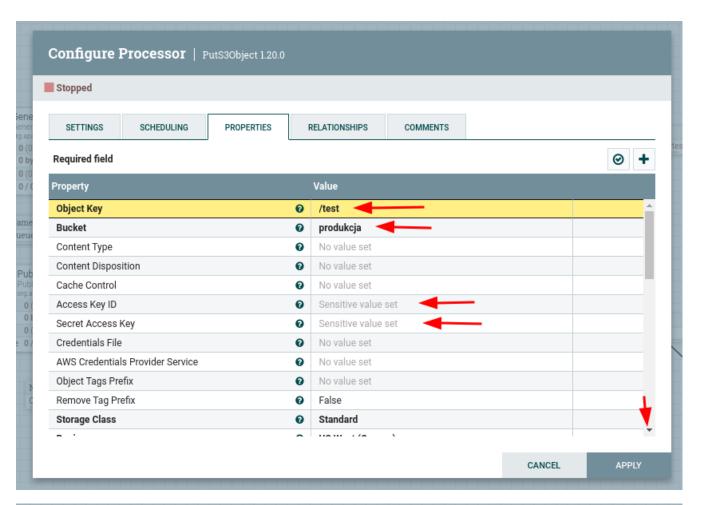


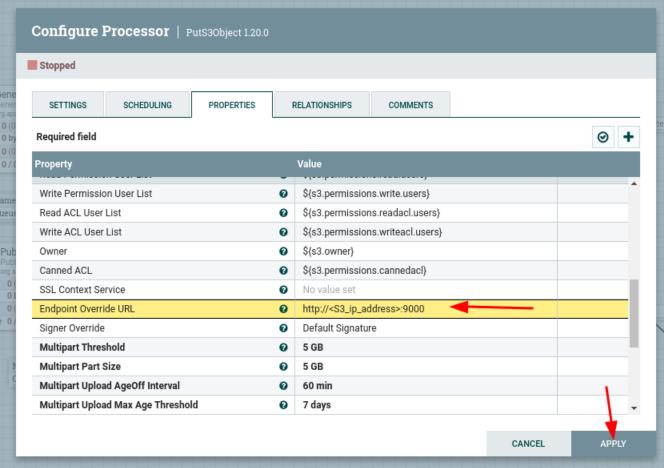
then turn on the service

S3

Uploading S3 Object

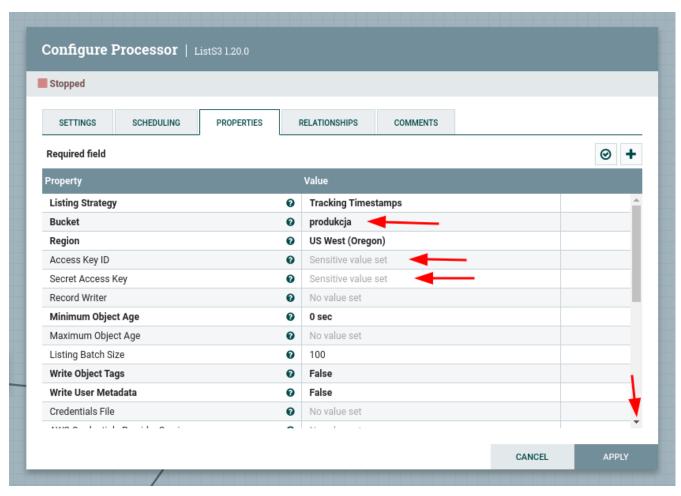
• configuracja procesora:

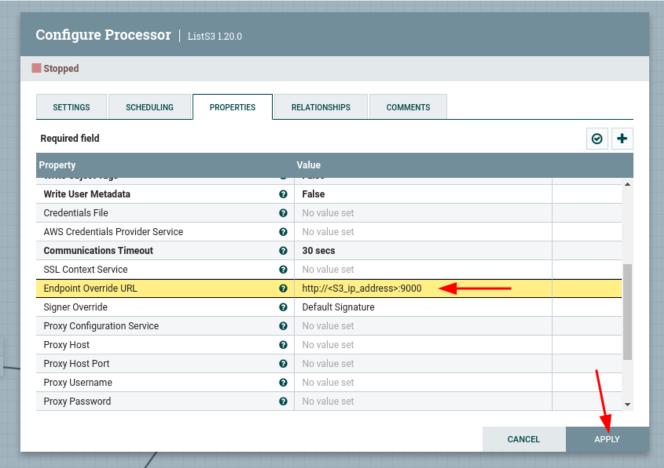




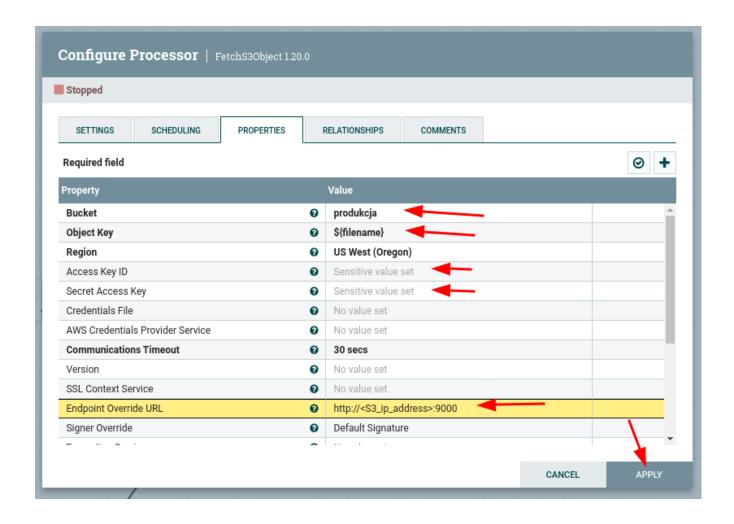
Download S3 Objects

configuration listing processor:





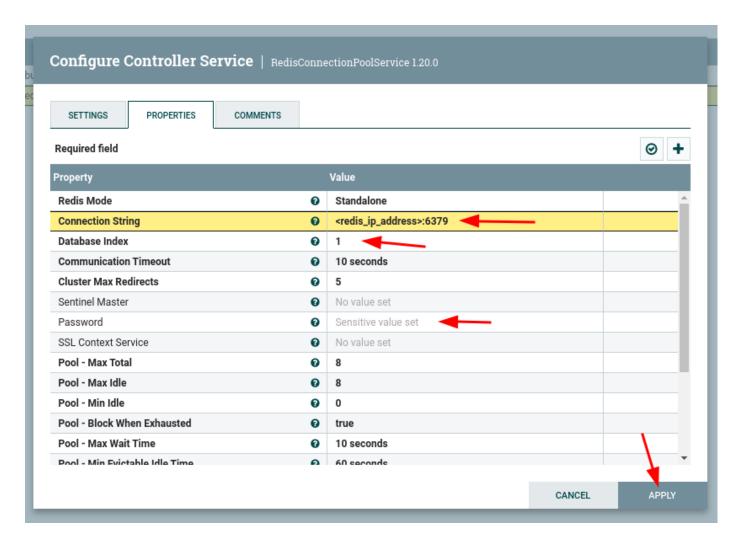
• configuration of fetching processor:



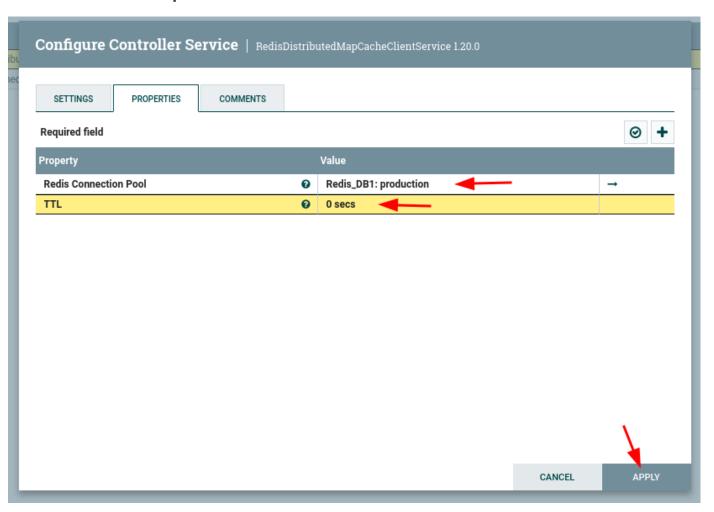
Redis

Service configuration

Redis connection pool

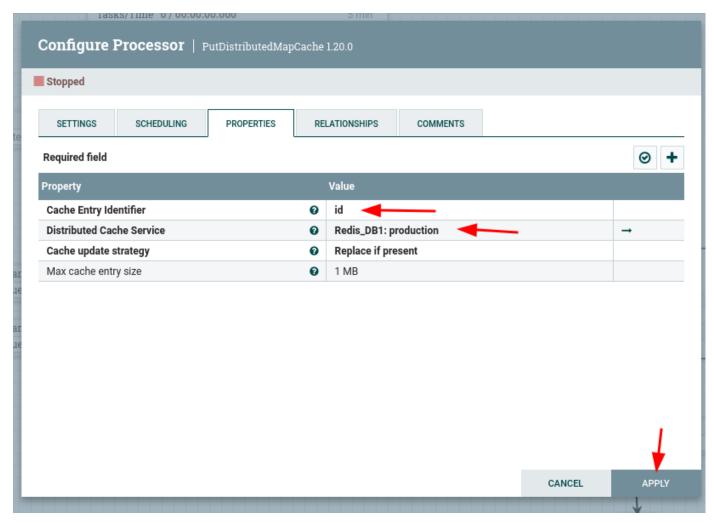


Redis Distributed Map Cache

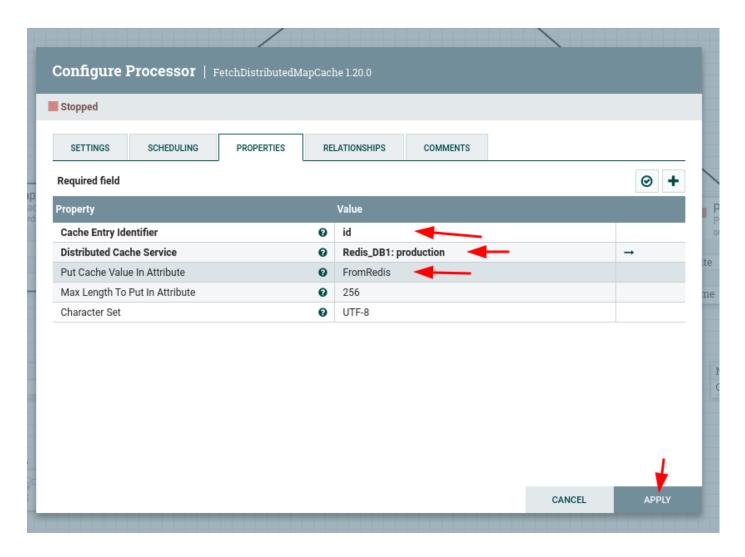


Processors configuration:

Put Distributed Map Cache:

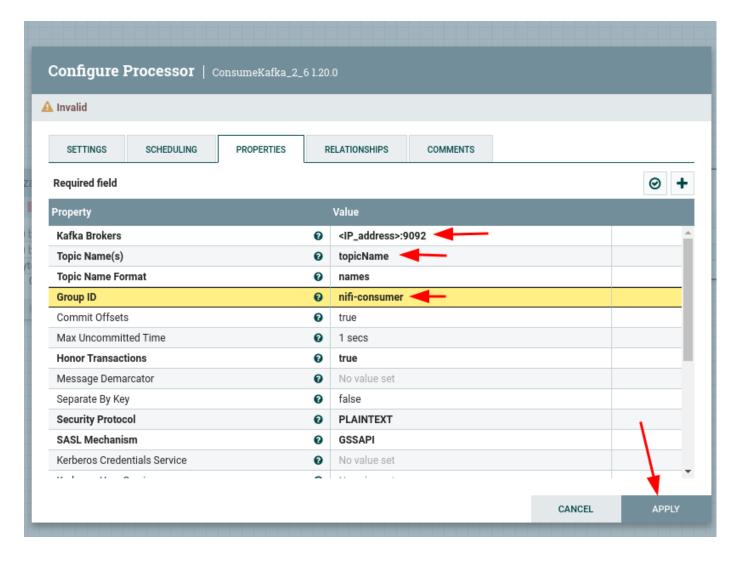


Fetch Disctributed Map Cache:



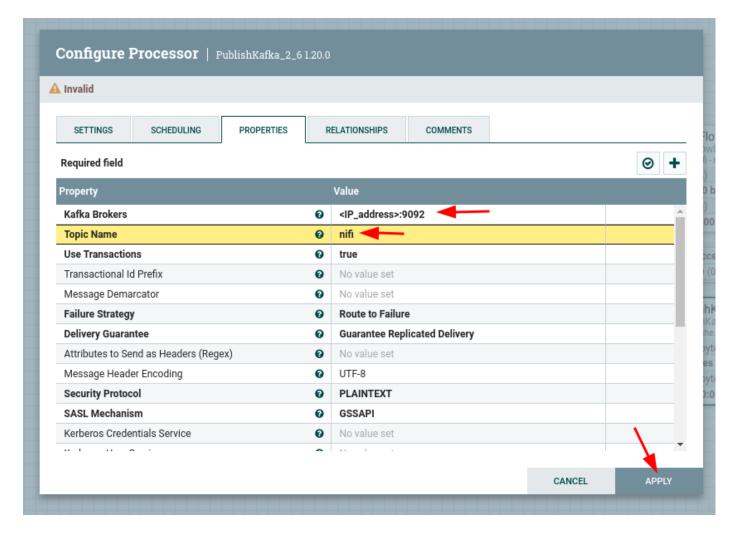
Kafka

Consume Kafka processor configuration (ConsumeKafka_2_6)

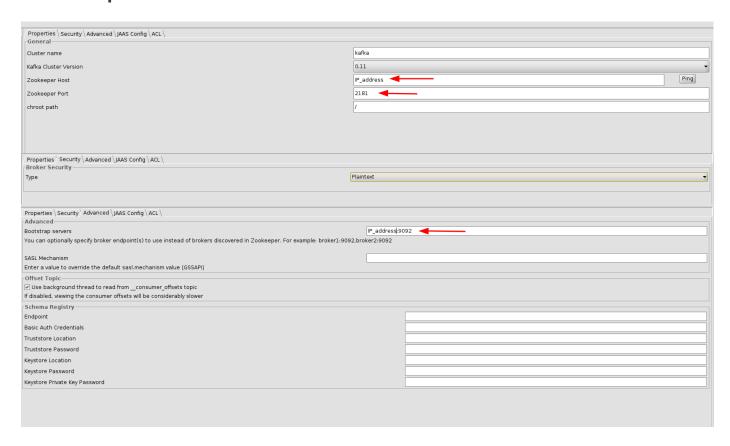


• if you want to load all event on the topic change Offset Reset -> earliest

Publish Kafka processor configuration (PublishKafka_2_6)



Offset Explorer / Kafka Tool



S3 Tool

Instalation process

```
###---go to GitHub and download the newest version the S3_Tool:
https://github.com/michal-kocur

###--- install python modules:
pip install django
pip install django-admin
pip install boto3
pip install crispy_f
pip install crispy-bootstrap5
```

Provide credentials (access key, secret key, url) to S3 instance and put them into settings.conf files. There are two such files, it's important to change both of them:

```
###--- change configuration in below files:
./settings.conf
./CLI/settings.conf
```

What to change / add:

```
[NameOfNamespace]
access_key = [access_key]
secret_key = [secret_key]
url = [url]
```

How to log in to the GUI version of S3_Tool:

```
###--- run django server

# go to S3_Tool/S3_Tool/

# run the commands:

python3 manage.py runserver

###--- go to the browser

http://localhost:8000/
```

