**BR Content Adapter**

**Overview**

* Bet Radar (BR): This feed was the first one to be introduced. It’s integration point uses a combination of message queue (uses Advanced Messaging Queue Protocol) and REST API to provide betting offer content and its updates. Further documentation on Bet Radar feed can be found [here](https://docs.betradar.com/)
* The service also implements an integrated monitoring mechanism that maintains up-to-date information on whether the service manages to keep up with the feed, or how much it lags the feed provided data.

**Data Flow**

* The service is responsible for retrieving betting offer content from third-party data feeds and transforming it into an adopted internal data format that downstream component (Brand Mapper) understands called the “e3f data-model”.
* The service has a local database (e3fdb) in which it persists mapping data required to perform the transformation from the original data format into the e3f data-model format.
* Feed Adapter BR and Brand Mapper BR services which are realized through one single service instance named e3fcontentadapter.

Betradar Feed

Content Adapter

Config

Debezium

Connector

**Kafka**

-config

-config.mappings

Brand Mapper

e3fcontentadapter

Master Offer

REST API

* E3f content adapter’s Brand Mapper component is responsible for initial inserts of new betting offer objects into the Master Offer, and for all their subsequent updates due to information change provided by the BETRADAR (SPORTS RADAR).
* Brand Mapper converts the betting offer objects into the multibrand data-model before handing it over to the Master Offer component.
* When inserting a new betting offer object, Brand Mapper:
  + - receives a new betting offer object in e3f data-model format from the Feed Adapter
  + - converts it to a multi-brand model format by adding branded properties defined by the current brand mapper configuration into the betting object, and
  + - pushes the new betting offer object into the Master Offer component.
* When updating an existing betting offer object based on feed-served updates, Brand Mapper:
  + - receives an updated betting offer object in e3f data-model format from the Feed Adapter
  + - retrieves the current betting object in multi-brand model format from the Master Offer component,
  + - applies the changes extracted from the updated betting offer object provided by the Feed Adapter,
  + - applies the change of branded properties defined by the current brand mapper configuration into the betting object; and
  + - pushes the updated betting offer object back into the Master Offer component.
* Brand Mapper Component of e3fcontentdapter retrieves up-to-date brand subscription configuration from the Kafka configuration topic. Brand subscription configuration is maintained through a Backoffice Application UI by a configurator user.

**Startup Dependencies**  
Startup Configurations and Arguments

NOTE: these values might change in future

*go run main.go \*

*CACHE\_SIZE: "100000"*

*CFG\_ACTIVE: "true"*

*CFG\_PREFIX: uat.*

*CFG\_TOPICS: config,config.mappings*

*CONFIGREST: configrestd:8080*

*CONTROLLER\_MAXRECEIVEDNOTTRANSLATED: "100"*

*CONTROLLER\_MAXRECEIVEDNOTTRANSLATEDIDLEMS: "100"*

*CONTROLLER\_TRANSLATORTHREADS: "100"*

*E3F\_CONTROLLER\_E3WS\_PUBLISHERTHREADS: "500"*

*E3F\_E3D\_PREFIX: U-*

*E3F\_PUBLISHER\_E3WS: http://e3d:8080/offer*

*KAFKA\_BROKERS: 10.60.0.163:9092*

*MONITORING\_NOTIFICATIONSENABLED: "true"*

*RECEIVER\_BETRADAR\_AMQP\_HOST: global.mq.betradar.com*

*RECEIVER\_BETRADAR\_AMQP\_PORT: "5671"*

*RECEIVER\_BETRADAR\_AMQP\_REPLAY\_HOST: replaymq.betradar.com*

*RECEIVER\_BETRADAR\_CODDS: "25000"*

*RECEIVER\_BETRADAR\_LIVE: "25000"*

*RECEIVER\_BETRADAR\_PRE: "300000"*

*RECEIVER\_BETRADAR\_PREMCRIC: "25000"*

*RECEIVER\_BETRADAR\_PRODUCTIDS: 1|3|5|14*

*RECEIVER\_BETRADAR\_RECOVERYNODEID: "1024"*

*RECEIVER\_BETRADAR\_RECOVERYNODEID\_REPLAY: "815"*

*RECEIVER\_BETRADAR\_REPLAY\_PRODUCTIDS: 1|3|5|14*

*RECEIVER\_BETRADAR\_REPLAY\_SPORTIDS: 1|2|3|4|5|9|6|10|12|17|19|20|21|22|31|40|117|190*

*RECEIVER\_BETRADAR\_RESTURL: https://api.betradar.com/v1*

*RECEIVER\_BETRADAR\_SPORTIDS: 1|2|3|4|5|9|6|10|12|17|19|20|21|22|31|40|117|190*

*RECEIVER\_ODS\_GROUP: BRODS*

*RECEIVERS: betradar,ods*

*TOPICS\_NAMES\_PREFIX: uat.*

Dependency

* Master Offer Service
* Kafka Brokers
* Betradar Configurations
* Topics :
  1. config
  2. Config.mapping