Betradar Unified Odds

CustomBet

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Introduction

CustomBet is an extension for Unified Odds feed customers and provides two additional endpoints. These endpoints allow bettors to create custom tailored bets for a specific match. In CustomBet it is possible to combine a wide range of betting markets into one single odds and probabilities calculation, in much the same was as an accumulator (a single wager made up of multiple selections).

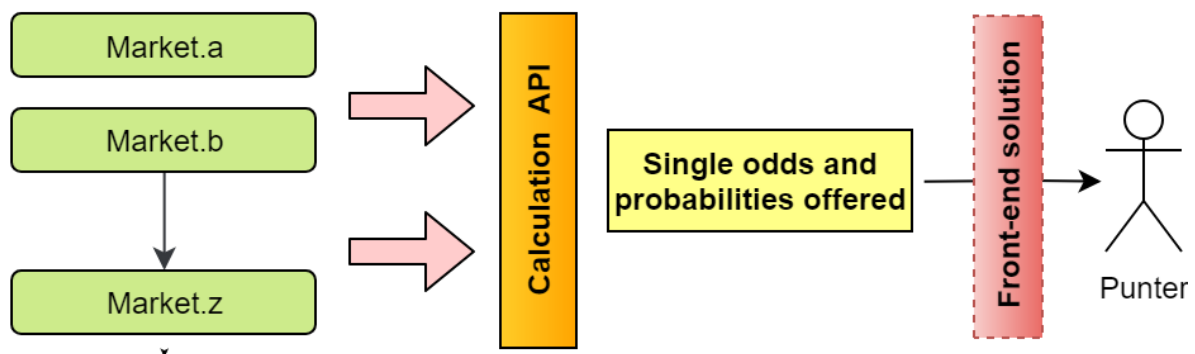An example of a custom bet could include a combination of the following markets:

- Liverpool to win the match
- Liverpool to score most goals in the first half
- Liverpool to score most goals in the second half
- Liverpool to win corner 1x2
- Total over 2.5

This means that it is possible to combine markets that would previously have been blocked due to related contingencies.

It is important to note that Custombet only exposes API endpoints, the front-end will need to be provided by the customer.

CustomBet is currently only available for Soccer matches, and for pre-match only.

Market overview

Please note: CustomBet uses a limited number of selected markets provided in our *Unified odds feed* product for each supported sport.

To find a complete list of all available markets and mappings supported in CustomBet, see **THIS** document.

Availability and environments

Please note: The CustomBet endpoints are currently not supported in the Unified Odds feed SDK.

CustomBet has a production and integrations environment just like the Unified Odds feed, but no replay server. For more information about API availability, access restrictions and functionality related to these, please see the **Unified Odds feed integration document.**

Live documentation

The CustomBet endpoints along with the normal Unified Odds API can be found on our live documentation page HERE.

API & endpoints

This section contains information about the different endpoints in the API, and what values to expect from each endpoint.

NOTE: All bet settlements/clearings in CustomBet comes via the *Unified Odds Feed*, and not directly from the API itself. For more information about the *Unified Odds Feed*, feel free to consult the integration documentation.

HTTP	Endpoint-path from https://api.betradar.com/v1/	Description
POST	`/custombet/calculate`	Calculate probability (odds) for your selected outcomes.
GET	`/custombet/:eventURN:/available_selections`	Gives you all available (and allowed) markets for a certain sport event.

Response codes

Code	Name	Description
200	`Ok`	When everything is ok and we return data directly in the http body.
403	`Forbidden`	Token is missing or invalid.
404	`Not found`	Resource (event id or sport id etc.) was not found, the system will not fulfill your request.
503	`Service unavailable`	Returned when the underlying odds producers are temporarily down. Retry again soon.

Elements and attributes

Relevant elements and attributes found in the different messages from the API are listed in the following tables below.

Elements and attributes definitions in <selections>

Element	Description	Attribute	Description	Possible values
Selections	Root element	-	-	-

Selection	Element containing all the information about a certain selection of markets and outcomes.	*Id*	This id represents a unique match, tournament, season, etc.	sr:match:12345 sr:season:12345
		Market_id	The unique id for a specific market.	Integer value: 188 198 184
		Specifiers	Specifiers are a way to uniquely identify a market with additional parameters together with the market id.	Example: In a total market, the specifier could be seen as "specifiers=" total=1.5", and the different outcomes would be "under 1.5" or "over 1.5".
		Outcome_id	The unique id for a unique outcome within a specific market.	Integer value: 70 60

XML example of making a selection request:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<selections xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  generated_at="2018-02-21T11:53:41+00:00"
  xmlns="http://schemas.sportradar.com/custombet/v1/request"
  xsi:schemaLocation="http://schemas.sportradar.com/custombet/v1/request
http://schemas.sportradar.com/custombet/v1/xml/endpoints/calculate/selectio
ns.xsd">

  <selection id="sr:match:8696826" market_id="188" specifiers="hcp=1.5"
outcome_id="13"/>
  <selection id="sr:match:8696826" market_id="198" outcome_id="70"/>
</selections>
```

Elements and attributes definition in <calculation>

Element	Element Description	Attribute(s)	Attribute Description	Possible values
Response	Root element	-	-	-

Calculation	Element for calculation requests.	*Odds*	Total calculated odds for the selected custom bet, returned in EU odds format	Number value: 1.34 2.23 0.22
		probability	The probability of this outcome returned in decimal	Number value <1: 0.34 0.22 0.12
Available_selections	Element containing all the information about the custom bet	-	-	-
Event Sub-element of available_selections	Element containing event-specific attributes	*id*	This id represents a unique match, tournament, season, etc.	sr:match:12345 sr:season:12345
Markets Sub-element of Event	Element containing all markets for a specific event	-	-	-
Market Sub-element of Markets	Element containing all outcomes for a market.	*Id*	Unique market id	Integer value: 57 40 33
		specifiers	Specifiers are a way to uniquely identify a market with additional parameters together with the market id.	Example: In a total market, the specifier could be seen as "specifiers=" total=1.5", and the different outcomes would

				be "under 1.5" or "over 1.5".
Outcomes Sub-element of Market	Element containing all outcomes for a specific market	-	-	-
Outcome Sub-element of Outcomes	Element containing a unique outcome id for a market	*id*	Unique value identifying a specific outcome for a market.	Integer value: 74 76 88

Calculated response XML example:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<response xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  generated_at="2018-02-21T11:53:41+00:00"
  xmlns="http://schemas.sportradar.com/custombet/v1/request"
  xsi:schemaLocation="http://schemas.sportradar.com/custombet/v1/request
http://schemas.sportradar.com/custombet/v1/xml/endpoints/calculate/calculat
ion.xsd">

  <calculation odds="1.34" probability="0.34"/>
  <available_selections>
    <event id="sr:match:34234">
      <markets>
        <market id="57" specifiers="totals=5.5">
          <outcomes>
            <outcome id="74"/>
            <outcome id="76"/>
          </outcomes>
        </market>
        <market id="57" specifiers="totals=2.5">
          <outcomes>
            <outcome id="74"/>
            <outcome id="76"/>
          </outcomes>
        </market>
        <market id="18">
          <outcomes>
            <outcome id="1"/>
            <outcome id="2"/>
            <outcome id="3"/>
          </outcomes>
        </market>
      </markets>
    </event>
  </available_selections>
</response>
```

Invalid response XML example:

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<response response_code="BAD_REQUEST">
    <message>Combination of selections are not allowed</message>
</response>
```

Available selection XML response example:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<available_selections xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    generated_at="2018-02-21T11:53:41+00:00"
    xmlns="http://schemas.sportradar.com/custombet/v1/request"
    xsi:schemaLocation="http://schemas.sportradar.com/custombet/v1/request
http://schemas.sportradar.com/custombet/v1/xml/endpoints/markets/allowed_ma
rkets.xsd">

    <event id="sr:match:34234">
      <markets>
        <market id="57" specifiers="totals=5.5">
          <outcomes>
            <outcome id="74"/>
            <outcome id="76"/>
          </outcomes>
        </market>
        <market id="57" specifiers="totals=2.5">
          <outcomes>
            <outcome id="74"/>
            <outcome id="76"/>
          </outcomes>
        </market>
        <market id="18">
          <outcomes>
            <outcome id="1"/>
            <outcome id="2"/>
            <outcome id="3"/>
          </outcomes>
        </market>
      </markets>
    </event>
</available_selections>
```