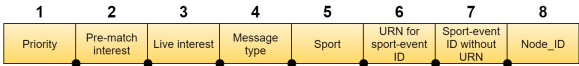# UOF - AMQP topic filtering

Messages are sent on various topics that are intended to provide easy and flexible routing/filtering. The topic key is divided into 8 sections:

1	2	3	4	5	6	7	8
Priority	Pre-match interest	Live interest	Message type	Sport	URN for sport-event ID	Sport-event ID without URN	Node_ID

The above image illustrates the syntax and ordering of the message queue. Each "topic" is divided by a "." (punctuation) symbol.

1. **Priority (hi/lo/-)**: Is this a timing sensitive message (bet_settlement messages are considered not timing sensitive)?
2. **Pre-match interest (pre/virt/-)**: Is this message interesting for a pre-match only system? *For real sport-events prematch odds are sent with "pre" as the keyword. If this word is "virt", it means this is prematch odds for one of Betradar's virtual sports.*
3. **Live interest (live/-)**: Is this message interesting for live odds only system?
4. **Message type(s)**: odds_change, bet_settlement, bet_stop, cancelbet, rollback_betsettlement, rollback_cancelbet, fixture_change, alive.
5. **Sport (Sport ID/-)**: 1 = *Soccer*, 2 = *Basketball*, 3 = *Baseball*, etc (https://iodocs.betradar.com/unifiedfeed#Sport-event-information-GET-All-available-sports).
6. **URN for sport-event id**: *sr:match*
7. **Sport-event id without URN**: *123456*
8. **Node_id** *can be used for recovery to ensure that a session is not receiving recovery messages for another session for the same customer*

Common topic key examples:

A pre-match odds update:	`hi.pre.-.odds_change.1.sr:match.1234.-`
A live odds update:	`hi.-.live.odds_change.1.sr:match.1234.-`
A Fixture change	`hi.pre.live.fixture_change.1.sr:match.1234.-`
A live bet-_settlement:	`lo.-.live.bet_settlement.1.sr:match.1234.-`
Post-match bet-settlement	`lo.pre.-.bet_settlement.1.sr:match.1234.-`
A virtual sport odds update	`hi.virt.-.odds_change.1.vs:match.1234.-`
An alive message	`-.-.-.alive.-.-.-.-`
A snapshot complete message	`-.-.-.snapshot_complete.-.-.-`

Note: Unless you are binding to all messages ("#"), you will typically bind to at least two routing key patterns (e.g. "*.*.live.#" and "-.-.-.#") because you are typically always interested in receiving the system messages that will come with a routing key starting with -.-.-

Betradar strongly recommends to have all binding patterns always end with .# to ensure backward compatibility if additions are made to the routing key.

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