

Tournaments API:

- 1) POST /tournaments (tournament name, type, date, nullable(interval)) SYNC
- 2) invite players(tournament name, playerIds) ASYNC
- 3) approve players(tournament name, date, playerIds) ASYNC
- 4) GET /tournaments (?startsAfter= etc.) SYNC
- 5) applyForParticipation(Tournament name, (optional) date) ASYNC
- 6) createMatch(TournamentId) ASYNC

Listen to RatingUpdatedEvent -> update rating for a tournament

Tournaments Events(Published to corresponding topics):

- 1) Tournament Created (tournament info)
- 2) PlayersInvited (players, tournament info)
- 3) ApprovedForTournamentEvent(player, tournament info)
- 4)DeclinedForTournamentEvent(player, tournament info)
- 4) ApprovedInvitationEvent(Player, tournament info)
- 5)DeclinedInvitationEvent(Player, tournament info)
- 6) AppliedForTournamentEvent(player, tournament info)

MatchMakingService

API

1. CreateMatch(Players, type) SYNC/ ASYNC



Ranking Service

Listens for:

- 1)ApprovedForTournamentTopic/ ApprovedInvitationTopic
- -> increase tournament rank
- 2)LeaveTournamentTopic -> decrease tournament rank
- 3)MatchResultCalculated -> update player's ranks

Notification Service

Subscribes to:

1)PlayerInvitedTopic

2)ApprovedForTournamentTopic

3)DeclinedForTournamentTopic

4)AppliedForTournamentTopic

5)ApprovedInvitationTopic

6)PlayerDeclinedTopic

7)TournamentCreatedTopic

8)GameFinishedTopic

Notify players/services via messaging/email/application notificatoins

MatchResultService

Listens for:

1)Kill/Death/AssistEvent -> update matchResult

2)GameFinishedEvent -> send MatchResultCalculated

3)FinishedRecordedEvent -> update recordId

MatchRecording

Listens for:

1)GameStartedEvent -> startRecording

2)GameFinishedEvent -> stopRecording ->

FinishedRecordedEvent

3)GET /videos/{id} - return presigned url

GameEngine

1)POST/operate/games/{id}/player/{id} - operate

