

Tzeract Sport Development Process

Justin Thomas Zoeller

October 10, 2025

Contents

1	Introduction	1
2	Neural Net	1
2.1	Data Sources	1
2.1.1	Introduction	1
2.1.2	Kambi Closing Odds	1
2.1.3	Fixtures and Match Occurrences	1
2.1.4	AWS S3 Bucket Contents	2

1 Introduction

2 Neural Net

2.1 Data Sources

2.1.1 Introduction

2.1.2 Kambi Closing Odds

2.1.3 Fixtures and Match Occurrences

Fixture and match occurrence data is sourced from team Rico in Kambi. The data is shared through the AWS S3 bucket *prod-datalake-sharing* which can be updated with more recent data by making a request to Team Rico ¹. The data should be moved to the AWS S3 bucket *tzeract-datalake-sharing* that's owned by Tzeract to ensure that any costs associated with this bucket's use is attributed to Tzeract; syncing between S3 buckets can be accomplished by invoking the following command

¹ `aws s3 sync s3://prod-datalake-sharing s3://tzeract-datalake-sharing --profile tzeract`

Figure 1: S3 Bucket Sync

where the *tzeract* profile must be added to the user's AWS config `~/.aws/config/`.

¹<https://jira.services.kambi.com/secure/RapidBoard.jspa?rapidView=1068&projectKey=DL>

2.1.4 AWS S3 Bucket Contents

The *tzeract-datalake-sharing* S3 bucket contains fixture, match occurrence and miscellaneous data. Fixture data may be needed for league, team and player related information; match occurrences will comprise the live events that occurred in a given fixture. Note that Betgenius match occurrences belong to Genius fixtures while Betradar match occurrences belong to Sportradar fixtures; Genius and Sportradar match occurrences are a separate products that nevertheless share fixtures.

Topic	Size (GB)	Object Count
db.v2.external.runningBall.fixture	320.5	249304
db.v2.external.runningBall.matchOccurrence	15.2	77596
db.v2.external.genius.fixture	17.2	18518
db.v2.external.betgenius.matchOccurrence	31.7	104844
db.v2.external.sportradar.fixture	307.3	407266
db.v2.external.betradar.matchOccurrence	62.6	160139
db.v2.external.infront.fixture	19.0	26366
db.v2.external.infront.matchOccurrence	4.6	27351
db.v2.external.img.fixture	71.8	163101
db.v2.external.img.matchOccurrence	2.3	14665
db.v2.internal.feed.mapping	1.2	153,128
Totals	853.4	1249431

1. Data Lake Sharing