

API Call Speeds

postTweet: 1408.1 tweets/sec
Get_home_timeline: 898.8

Data Structures

Tweet Counter

Key: tweet:{tweet_id}:counter
Data Structure: string (integer)
Purpose: used to auto-increment tweet ids

Tweet

Key: tweet:{tweet_id}
Data Structure: hash
Purpose: store tweet data (tweet_id, user_id, tweet_text)

Follower List

Key: user:{user_id}:followers
Data Structure: Set
Purpose: store all followers for a user

Home timelines

Key: user:{user_id}:timeline
Data Structure: Sorted Set
Purpose: store chronological timeline of tweets for a user

Users

Key: users
Data Structure: Set
Purpose: store all users that have posted a tweet