

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