NoSQL and Async not needed

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worldoftanks.ru month numbers (Google Analytics)

- 29 766 265 visits
- 6 606 199 visitors
- 134 417 164 page views

worldoftanks.ru day numbers (nginx logs)

- 10 492 199 non-ssl backend requests
- 3 073 424 ssl backend requests
- We unable to log frontend requests (heavy I/O) now

Highload

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- Wargaming.net don't know how to do highload web projects.

Problems

- thousands of concurrent connections
- data caching, render caching
- effective resource usage
- low latency
- scailability
- depending on other resources

Components

- nginx - frontend
- apache+mod_wsgi - backend
- python - implementation
- memcached - caching
- MySQL - storage
- RabbitMQ - async tasks storage

nginx

- use epoll
- worker_processes 16
- gzip_comp_level
- keepalive_timeout 60
- upstream backend 3+1

apache+mod_wsgi

- WSGIDaemonProcess ptl-wotru
- user=ptl-wotru group=ptl-wotru
- processes=8 threads=1
- maximum-requests=32768

python

- django-1.3.1
- amqlib-1.0.3
- south-0.7.4
- PIL
- Jinja2
- python-memcached
- python-cjson

memcached

- CACHESIZE="1024"
- 4 nodes cluster

MySQL

- default-storage-engine = INNODB
- character-set-server = utf8
- transaction-isolation = READ-COMMITTED

RabbitMQ

- AMQP - Advanced Message Queuing Protocol

Production

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- Questions?