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FEATURED GAMES

Dota 2
61 Live Channels

World of Warcraft: Mis...
81 Live Channels

Legend of Grimrock
2 Live Channels

FEATURED CHANNELS

nl_Kripp
Path of Exile

Toyzlolz
League of Legends

TSM_Chaox
League of Legends

The Creatures
Dead Space 3

CLGDoublelift
League of Legends

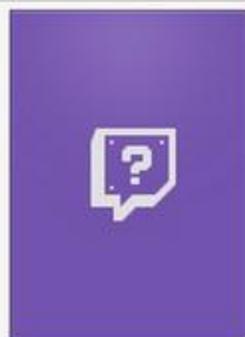
Aphromoo



League of Legends
58,715 Viewers



StarCraft II: Wings of Liberty
8,569 Viewers



Dead Space 3
8,048 Viewers



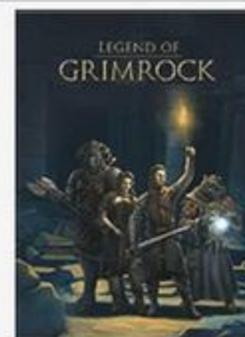
Path of Exile
4,884 Viewers



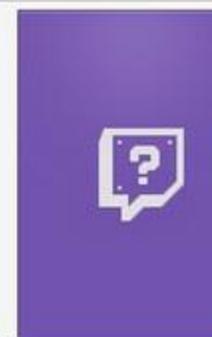
Dota 2
3,633 Viewers



World of Warcraft:
Mists of Pandaria
2,973 Viewers



Legend of Grimrock
2,341 Viewers



Pokémon Yellow:
Special Pikachu
1,717 Viewers



StarCraft II: Heart of the Swarm
1,637 Viewers



Call of Duty: Black Ops II
1,234 Viewers



Ultimate Marvel vs. Capcom 3
891 Viewers



Minecraft
879 Viewers



Diablo III
783 Viewers



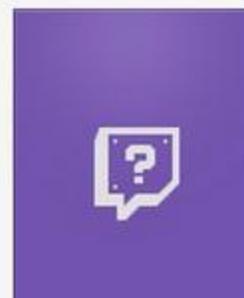
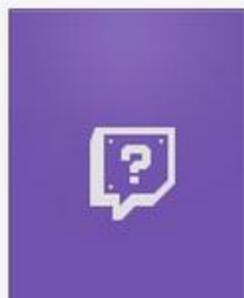
World of Tanks
702 Viewers



Magic: The Gathering
645 Viewers



Zelda II: The Adventure of Link
446 Viewers

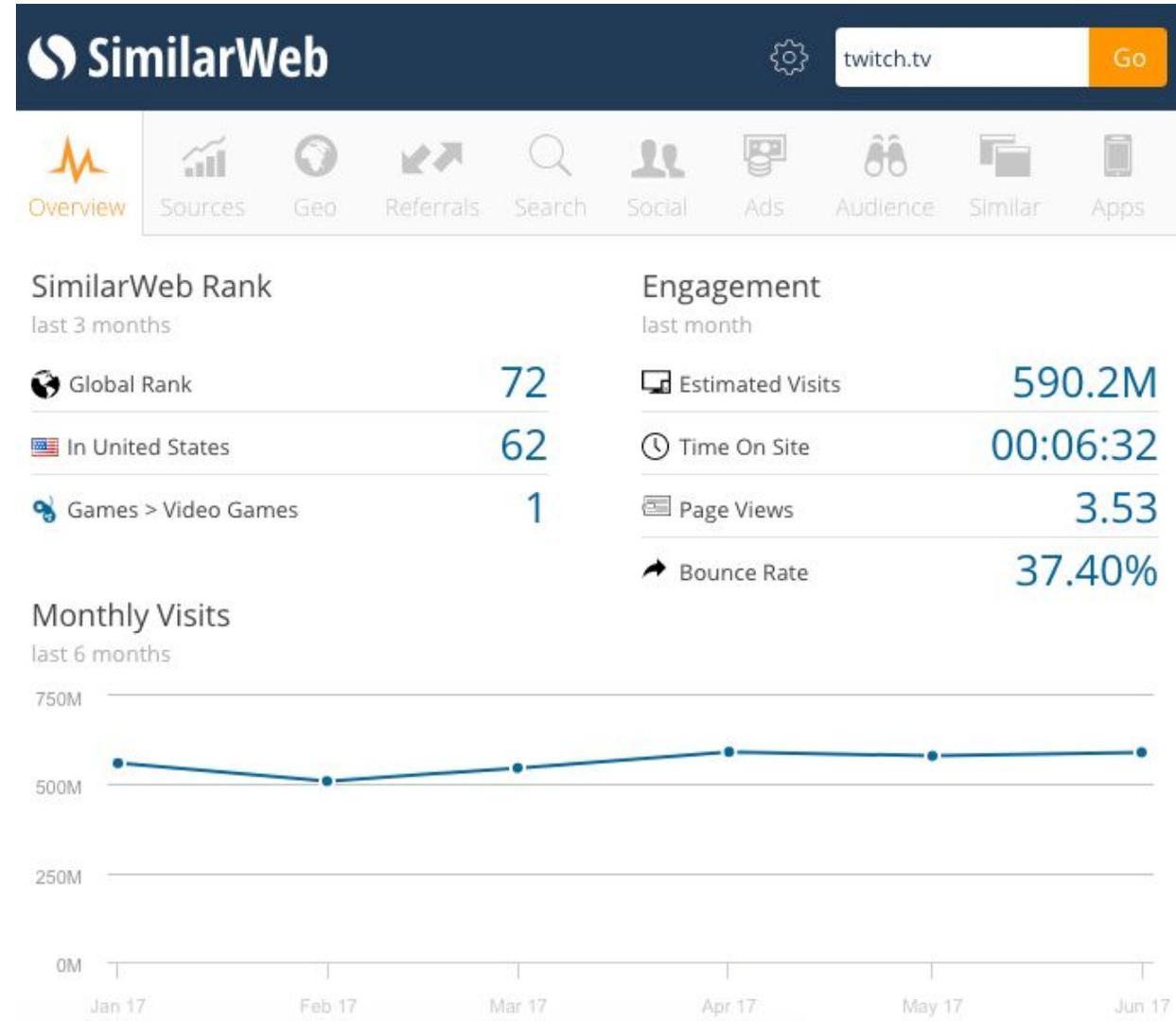


История



~~Justin.tv~~

Аудитория



О продукте

- Одна из крупнейших систем распространения видео в мире;
- Система чата в реальном времени;
- API;
- Системы хранения данных;
- Клиентские приложения;
- Внутренние инструменты и системы;
- Сетевая инфраструктура.

CafeID



Cafeid

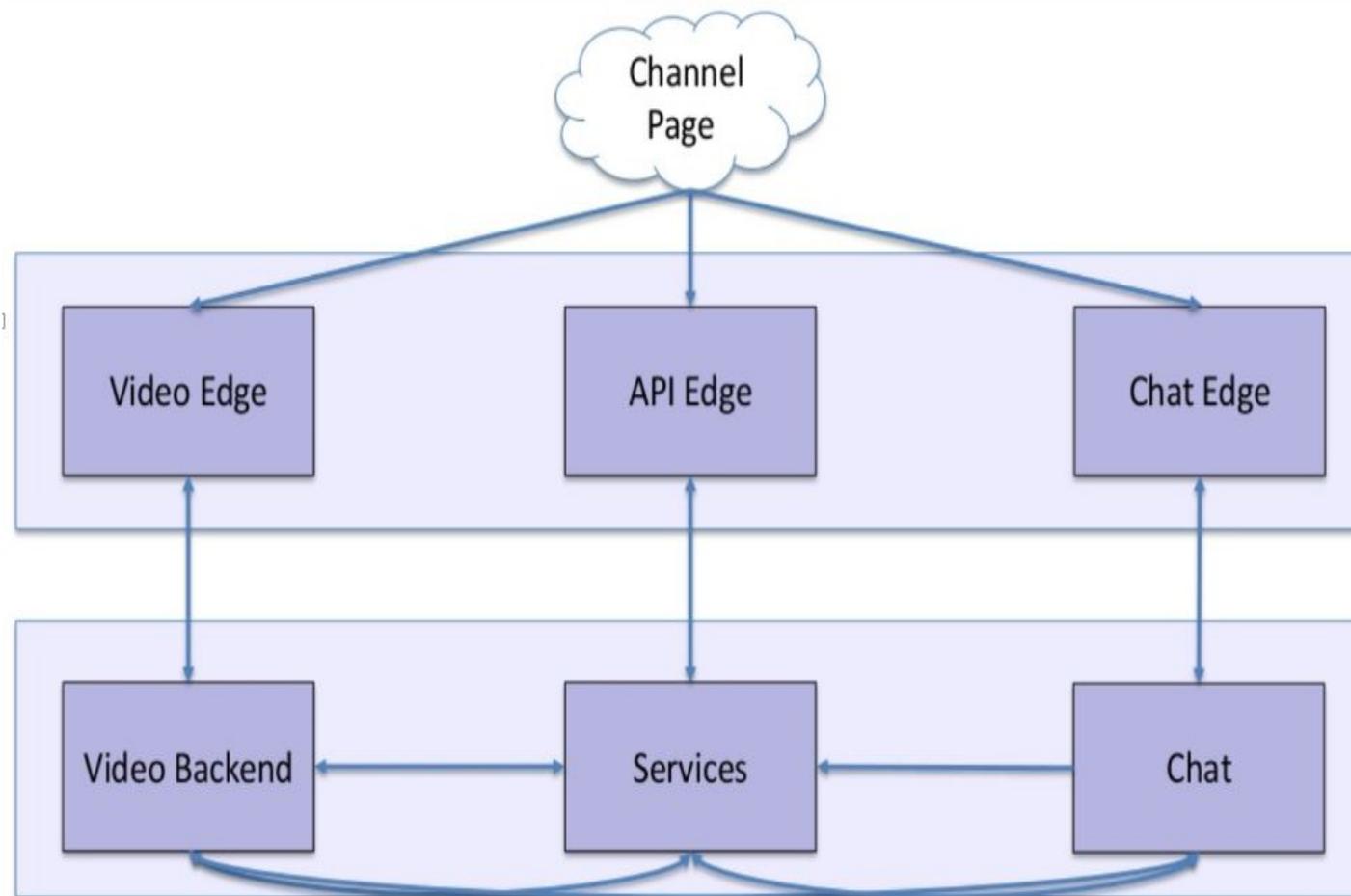
playing Super Street Fighter IV

Korea's premiere fighting game community, CafeID is an institution for the local scene, producing top players and producing a closed circuit of Street Fighter, King of Fighters, Tekken to Soulcalibur, CafeID is on Twitch to prove that Korea has what it takes to compete with the best in the world in all fighting games.

[Click here to watch the CafeID community in action!](#)



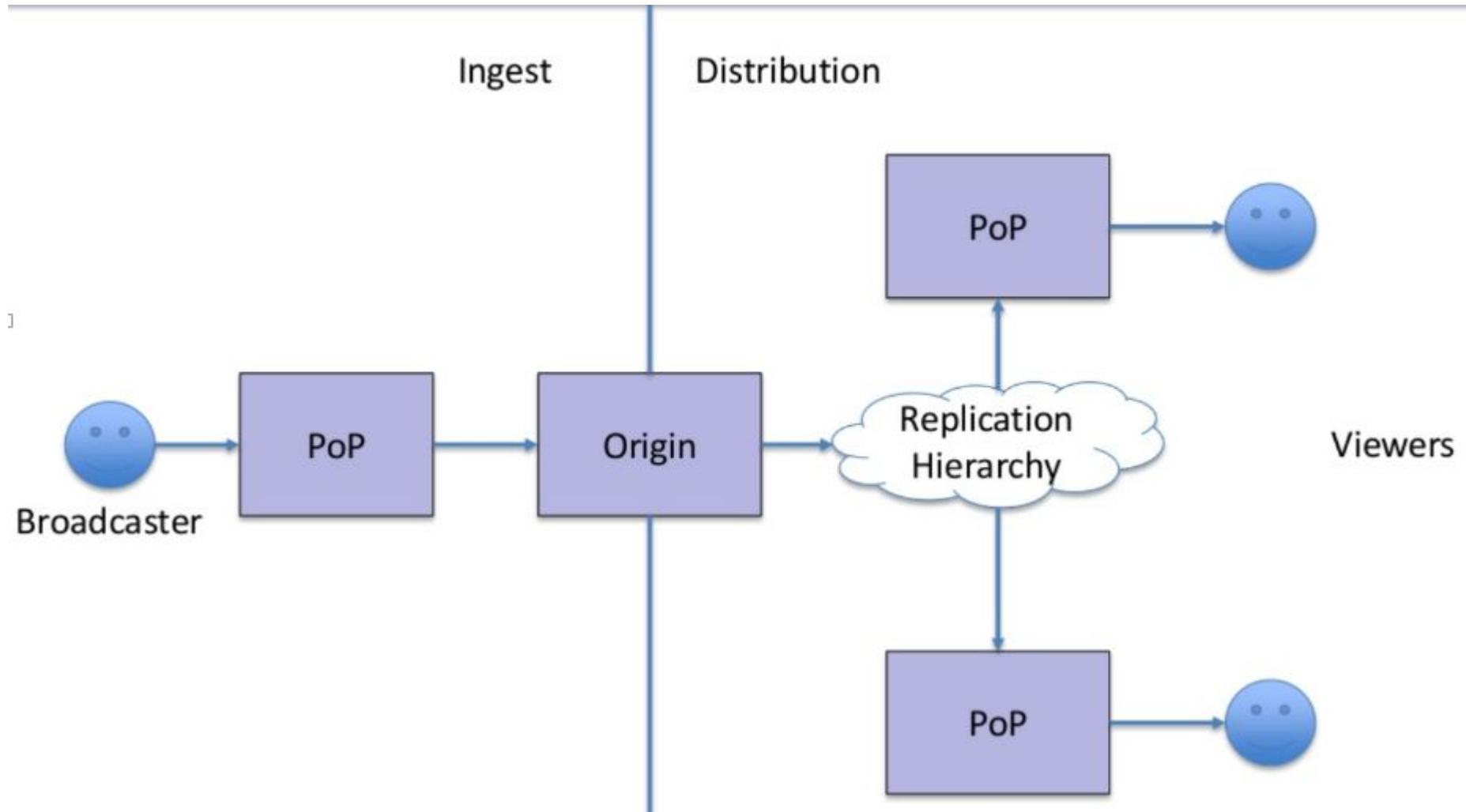
Обзор стека технологий



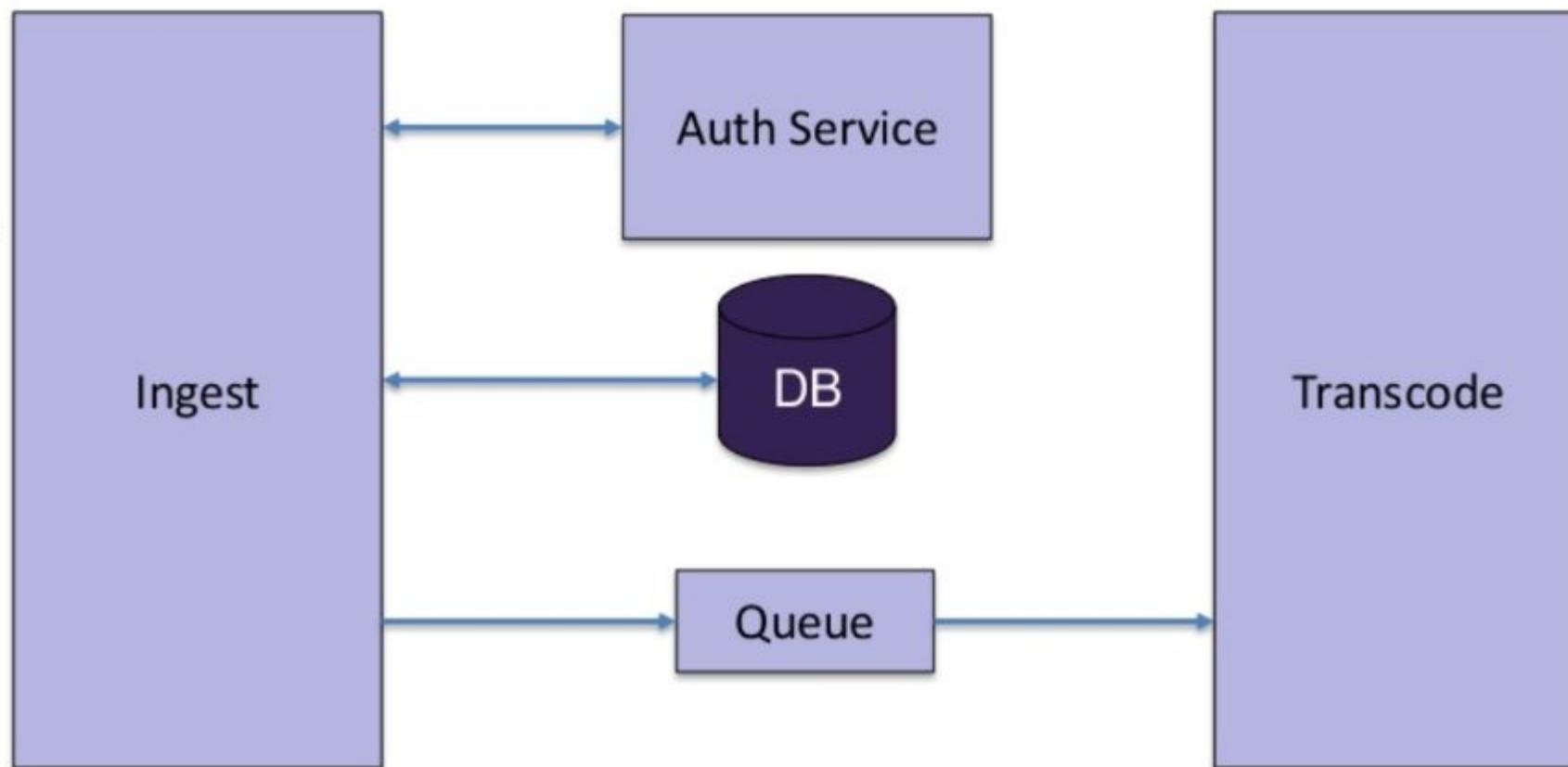
Видеосистема

- Захват видео;
- Система транскодирования;
- Распределение и Edge;
- VOD (Video on Demand).

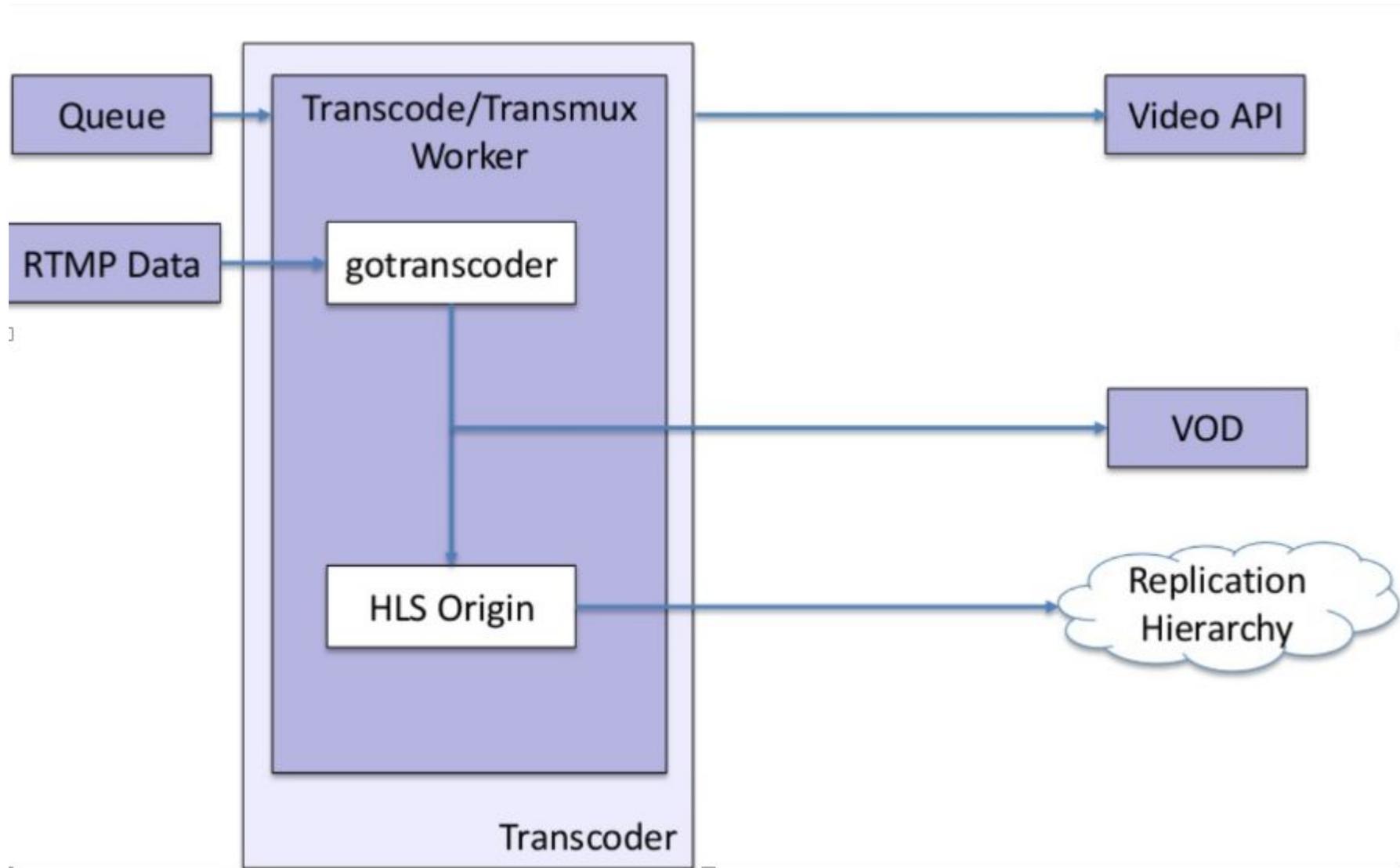
Видеосистема



Видеосистема



Видеосистема

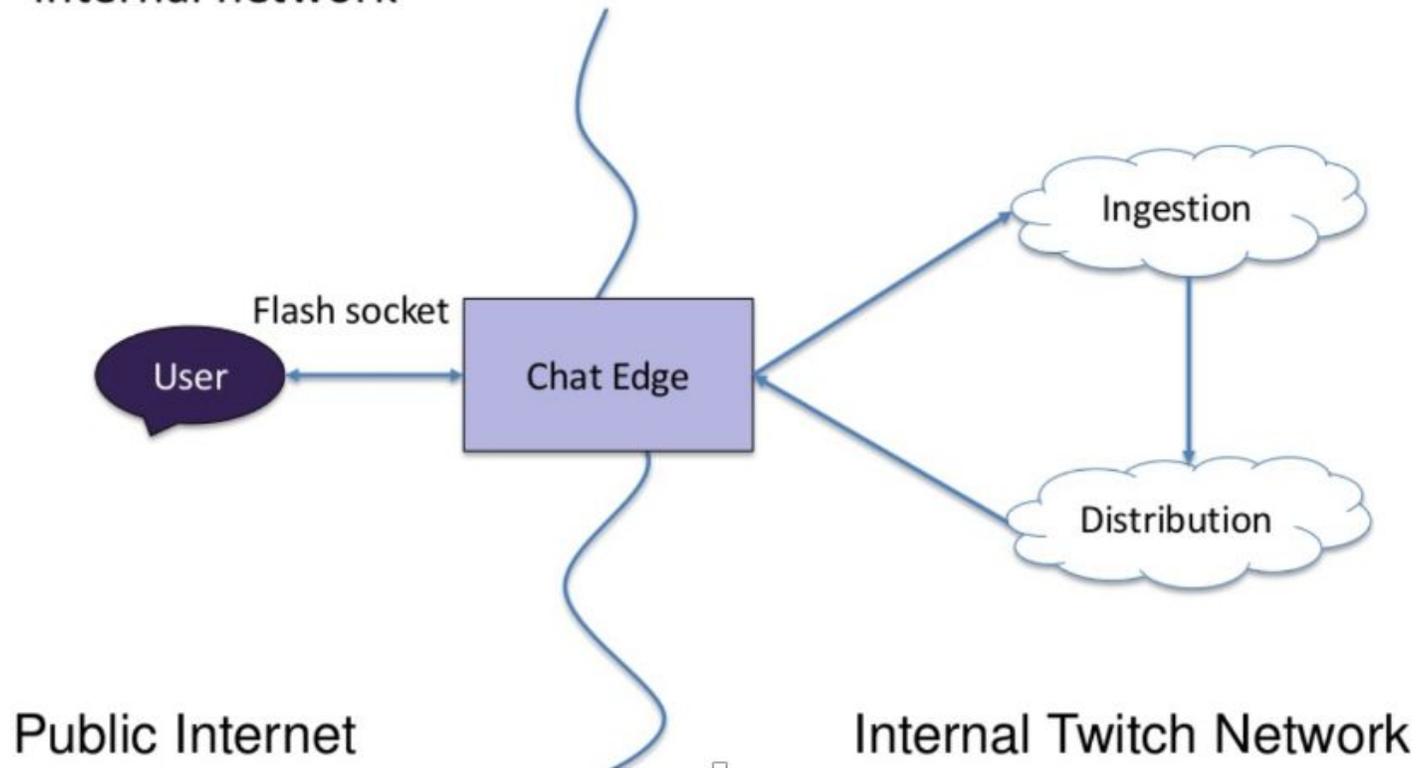


Чат

- Edge;
- Pubsub;
- Clue;
- Room.

Chat

Edge Server: Sits at the “edge” of the public internet and Twitch’s internal network



Web API и данные

- Веб-API;
- Службы поиска и обнаружения;
- Системы доходов;
- Административные инструменты.

Веб и клиентские приложения

- Desktop веб-приложение;
- Native приложения(iOS и Android);
- Консольные приложения.

Инфраструктура Data Sciens

- Конвейер данных;
- Поточковые сборщики.

Пример проведенных исследований

TABLE I: The details about Twitch REST APIs in our crawler

REST APIs	Description
GET /streams/summary	Get the global statistics of streams and views at present
GET /streams	Get the meta file of live streams at present
GET /channels/:channel	Get the number of total views, followers and delay setting of broadcaster's channel
GET /channels/:channel/videos	Get the number of total views, duration of each stream in broadcaster's channel

TABLE II: The configuration of broadcasters' device (B1: Commentator; B2, B3: Players)

ID	Type	Operating Sys.	Uploading
B1	Laptop	Windows 8.2	2-12 Mb/s
B2	Desktop	Windows 8.2	5-18 Mb/s
B3	Desktop	Windows 7	3-15 Mb/s

TABLE III: The configuration of viewers' device

ID	Network	Operating Sys.	Downloading
P1	Wired	Windows 7	160-250 Mb/s
P2	Wireless	Windows 8.2	7-25 Mb/s
M1	Wireless	iOS 8.0	2-25 Mb/s
M2	Wireless	Android 4.2.2	4-36 Mb/s
M3	3G	Android 4.2.2	0.6-1.2 Mb/s

Инструменты и операционная инфраструктура

- Jenkins;
- Инструменты для быстрого развертывания и отката изменений;
- Ganglia, Graphite и Nagios.
- Распределенный трейсинг.