

谁在用

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



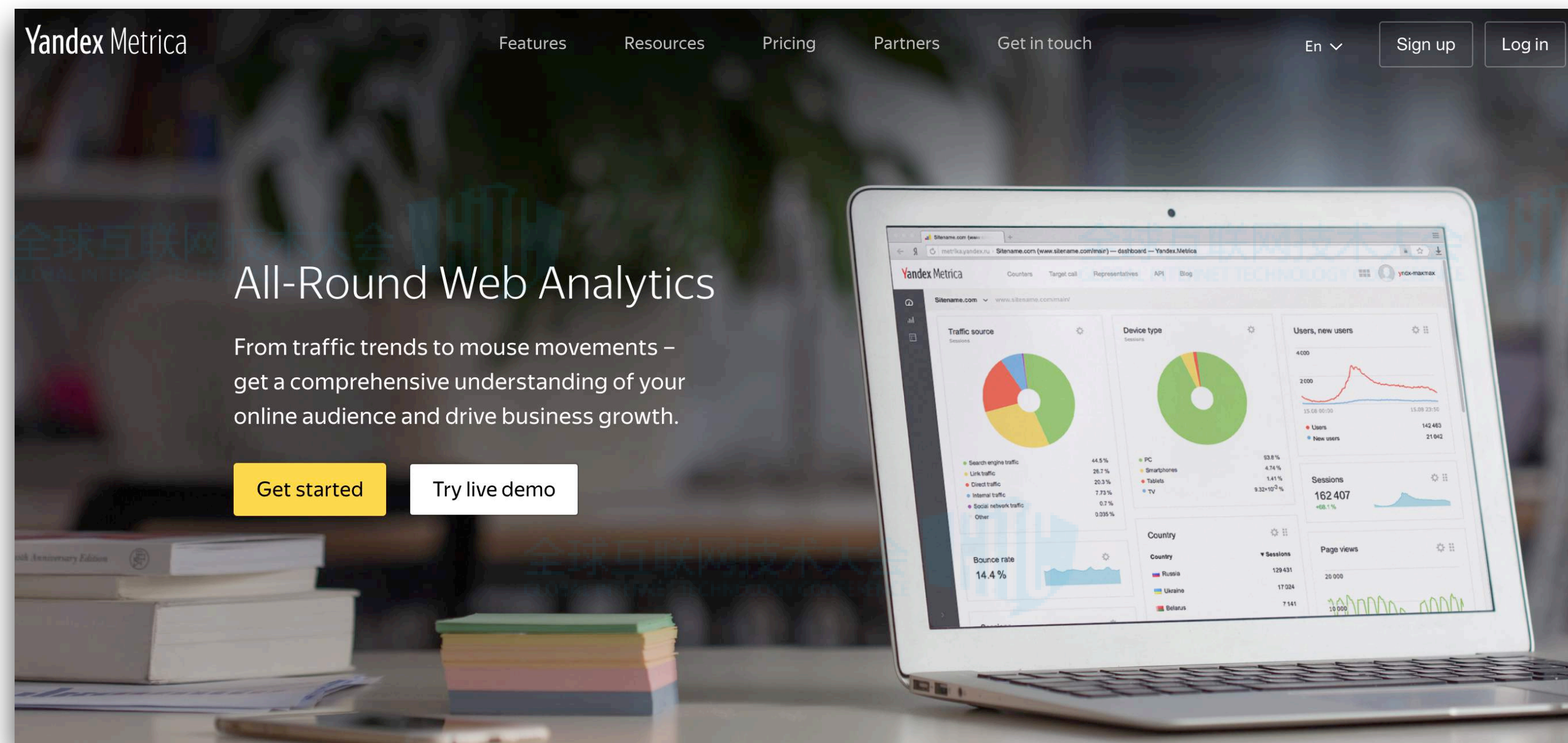
全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



374 servers

store over 20.3 trillion rows

17 PB uncompressed data TSV

2 PB without counting duplication and replication

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



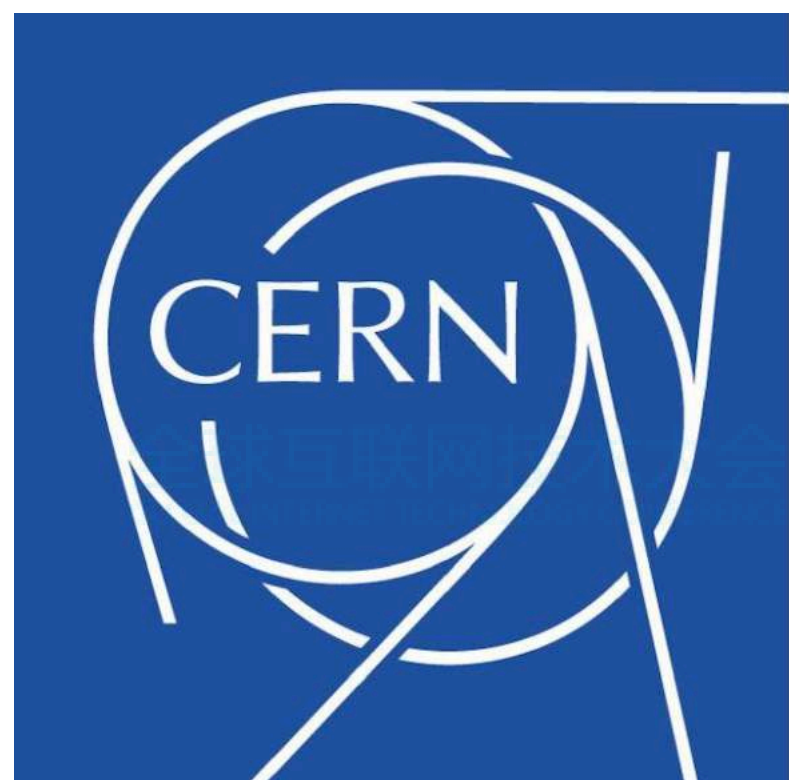
全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



谁在用



欧洲原子能研究机构

store and process
metadata on 10 billion
events with over
1000 attributes per event



Tinkoff Bank

Innovative provider of online retail
financial services in Russia



CLOUDFLARE

《How Cloudflare analyzes **1M** DNS queries per second》

Multi-tenant ClickHouse cluster

33

Nodes

8M+

Row Insertion/s

4GB+

Insertion Throughput/s

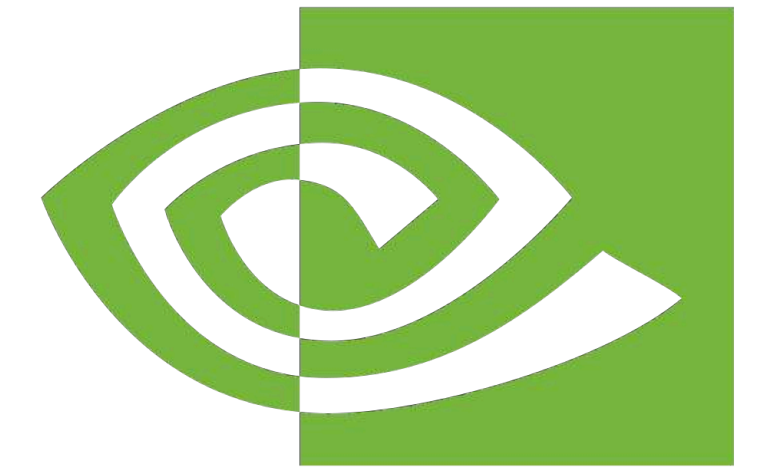
2PB+

Raid-0 Spinning Disks

谁在用



- 做存储的公司
- Python驱动: [infi.clickhouse_orm](https://github.com/infinidat/infi.clickhouse_orm)



NVIDIA

CARTO

- **CARTO** (formerly CartoDB) is a Software as a Service (SaaS) cloud computing platform that provides GIS and web mapping tools for display in a web browser.

谁在用

- **Altinity is the leading service provider for ClickHouse**
- **Altinity Provides Cloud Version of ClickHouse on Kodiak Data MemCloud™**
- **Kodiak Data is an edge-cloud infrastructure company that allows customers to easily deploy and scale big data infrastructure in both public and private clouds**



Altinity

谁在用

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



LAUNCH ANALYTICS TO **A NEW LEVEL** WITH CLICKHOUSE

FUNCTIONAL DEMOS | HANDS-ON PRIVATE DEMOS | POC | BENCHMARKS | DATASET DEMOS

LEARN MORE



谁在用



PMM Roadmap

- Alerting
- QAN for MongoDB
- MySQL -> **ClickHouse** for QAN datastore
- Plugins and Integrations
- Long term metrics storage (past 30 days)
- One-click ticket submission*
- Standardised data collection for tickets*

Any feedback of what you'd like to see in PMM?

* for Percona Subscribers (Customers) only



PERCONA
Monitoring and Management



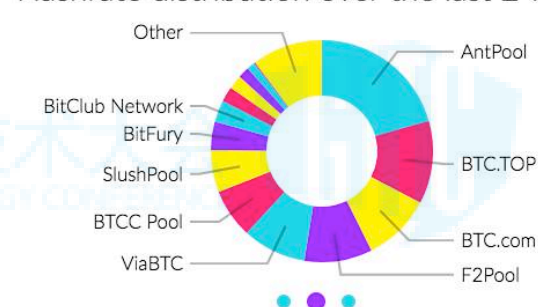
BLOCKCHAIR

Search Bitcoin and Bitcoin Cash blockchains for anything...

Examples: [Hello World](#) [The biggest blocks](#) [~\\$1M transactions](#) [1dice8EMZmqKvrGE4Qc9bUFf9PX3xaYDp](#) [satoshi.id](#)
[Blocks mined by Slush](#) [Tx paid over \\$5 in fees](#) [Addresses starting with 1dice](#) [Marry me](#) [BIP 100 blocks](#)
[Tx destroyed the most coindays](#) [Mempool transactions](#) [Happy Birthday](#) [Blocks collected over 2.5 BTC in fees](#) [Bailout](#)
[Coinbase transactions](#) [123456](#)

Bitcoin / Blocks

Hashrate distribution over the last 2 weeks

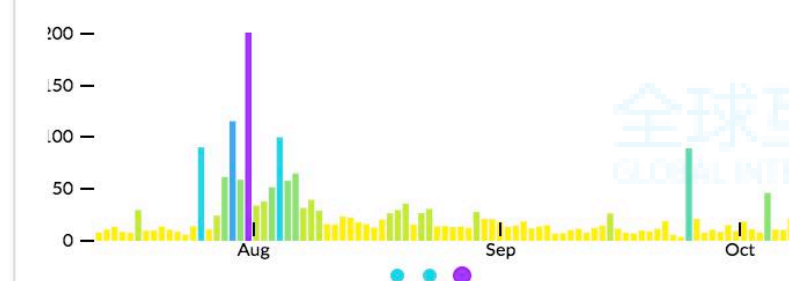


Useful links:

- Empty blocks
- SegWit blocks / Unlimited blocks

Bitcoin / Transactions

Coindays destroyed (millions) by day over last 3 mos.

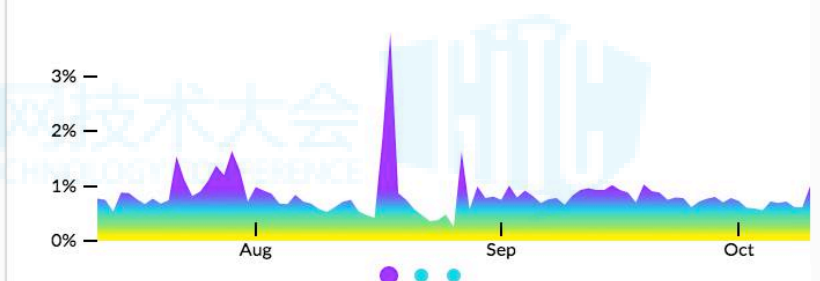


Useful links:

- Coinbase transactions
- Transactions which destroyed 0 coindays

Bitcoin / Outputs

Percentage of non-monetary outputs over last 3 mos.



Useful links:

- UTXO set (unspent outputs)
- OP_RETURN (nulldata) outputs

Blockchair is a blockchain search and analytics engine or you can also say it's a blockchain explorer on steroids.



谁在用

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

2017易观OLAP算法大赛

云计算服务由UCloud提供

Analysys 易观
实时分析驱动用户资产成长

OLAP

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

中国联通 上午8:27 100%

< 返回

Analysys易观

■ 开源组三甲:

第一名: 广州向量线科技 韦万和李本旺

在开源组比赛中韦万和李本旺另辟蹊径, 向北取经。使用目前国内鲜为人知的俄罗斯神级开源软件ClickHouse参赛。利用ClickHouse超强分析性能和灵活的架构特点, 使得集群间节点的计算完全并行化, 同时优化底层的存储和上层的计算细节, 挖掘CPU cache、向量化执行和具体算法优化方面的潜力。将有序漏斗的计算时间从原始的24秒提高到0.5秒。凭借在时效和精度上近乎完美的表现, 成为本届大赛最大黑马, 获得开源组第一名。

第二名: 美团点评 孙业锐

美团点评团队基于自身的业务优势经验, 设计

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



我浪怎么用？

全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



全球互联网技术大会
GLOBAL INTERNET TECHNOLOGY CONFERENCE



搭配

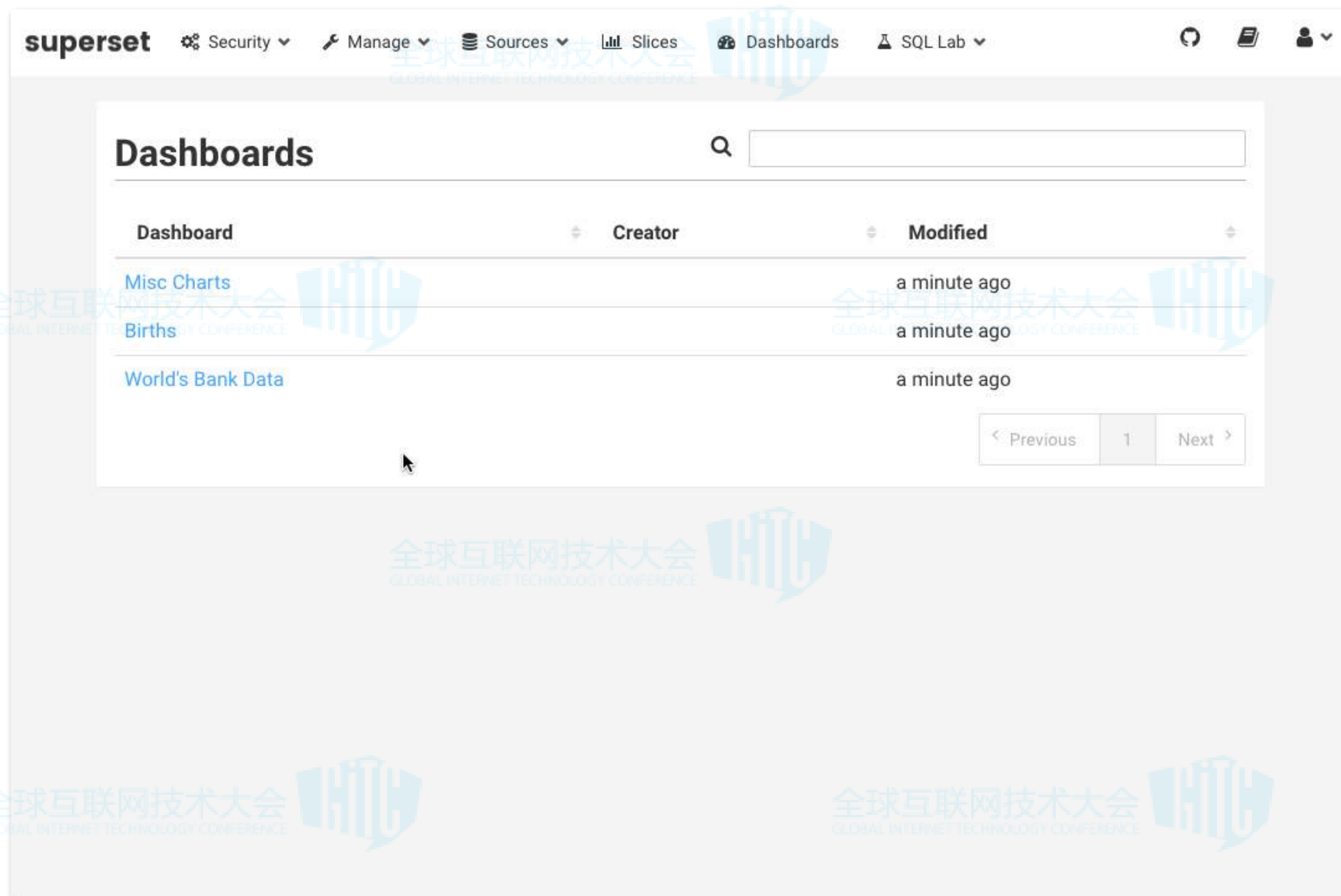
- Superset

- Airbnb开源Python项目

- Apache孵化

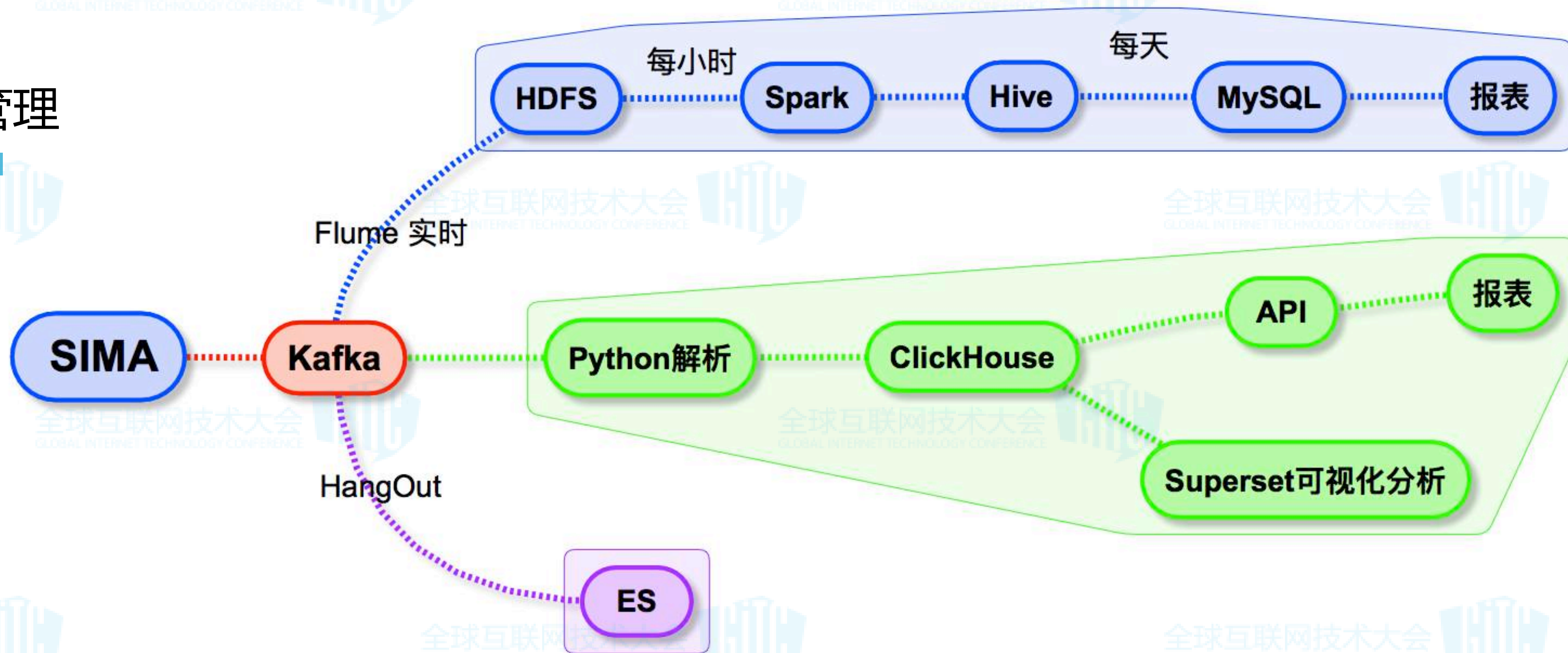
- 快速实现可视化

- 完美对接ClickHouse ,
方便分析师进行问题排查与分析

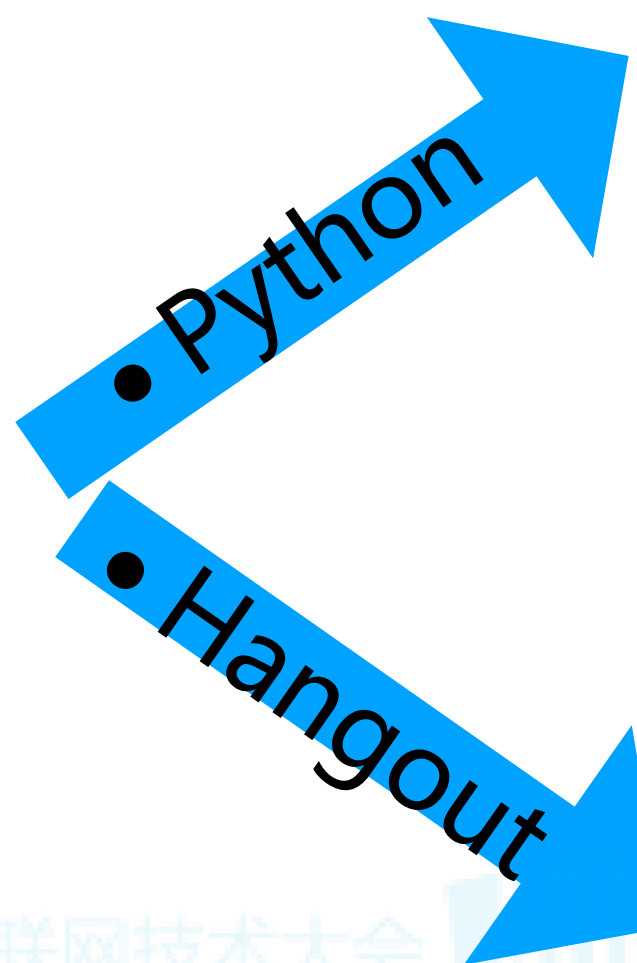


案例

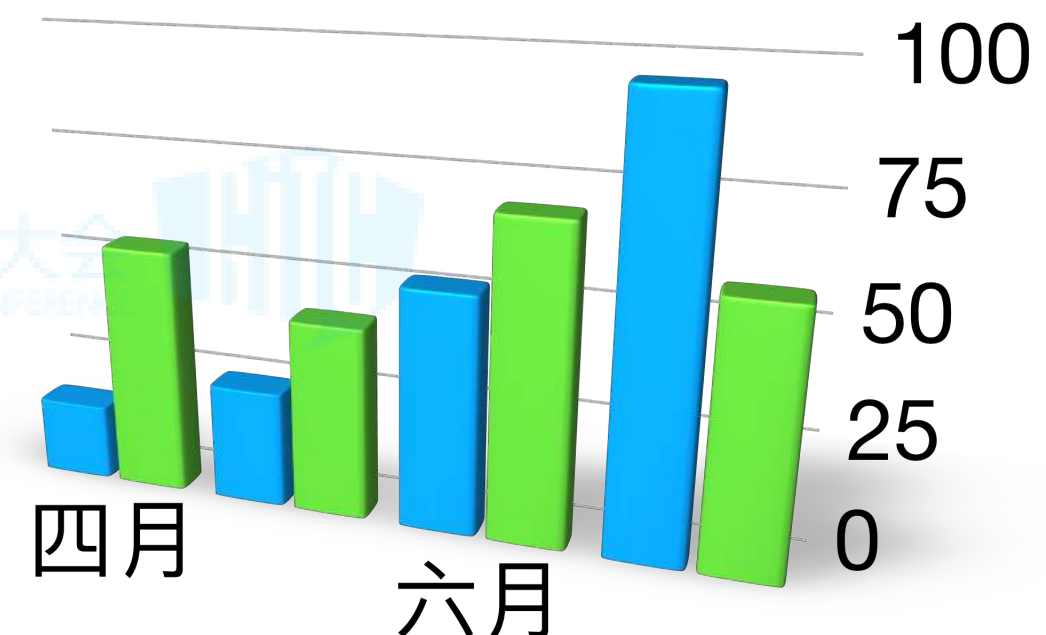
- 某APP APM管理



案例



• ClickHouse



- 图表、邮件、报警等
- Superset可视化工作台



• ES



- 问题排查, Trace

- 数据处理链路短
- 数据实时可见, 及时Trace
- 如何快速数据变现