SkyWalking's 2019-2020 and beyond
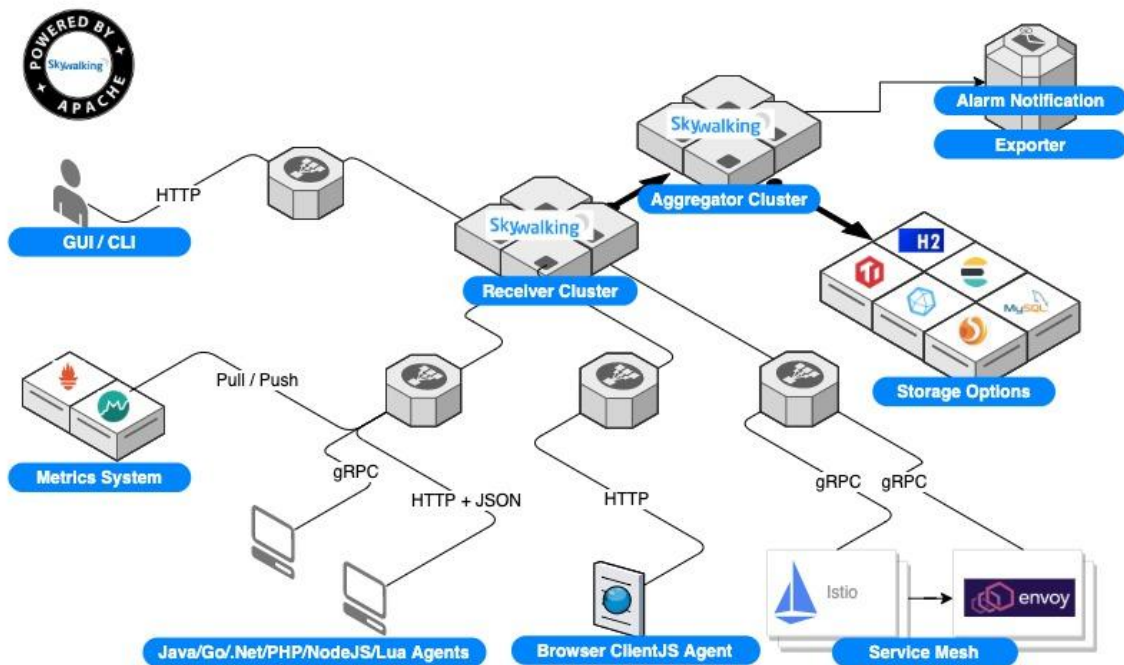
Sheng Wu 吴晟, Founding Engineer, Tetrate.io

Apache SkyWalking Founder & V.P. Apache Member

Apache SkyWalking 8.2.0+

Apache SkyWalking's 2020

- 发布唯一的7.x版本，放弃对JDK 6和7的支持

- 专注于8.x版本，v3数据收集协议，v2查询协议。正式发布，并全语言探针覆盖升级

- Java, .Net Core, PHP, Python, NodeJS(x2), Golang, Nginx LUA, C++(WIP)

- 支持Prometheus、OpenTelmetry的metrics数据，支持Spring Sleuth metrics数据

- 浏览器监控正式发布

Apache SkyWalking's 2020

- 性能剖析发布（Java版本）

- CLI发布多个版本

- Helm 4.0

- SkyWalking k8s Operator

- SkyWalking在Service Mesh领域，发布ALS， ALS + Metadata Exchange解决方案

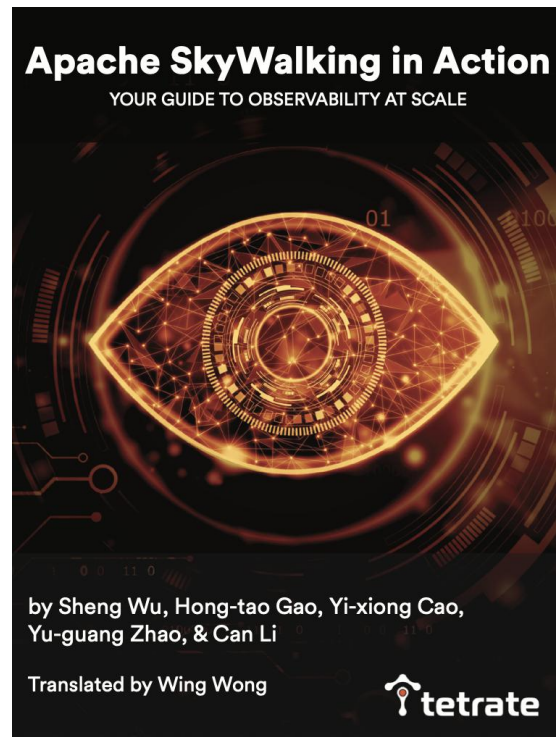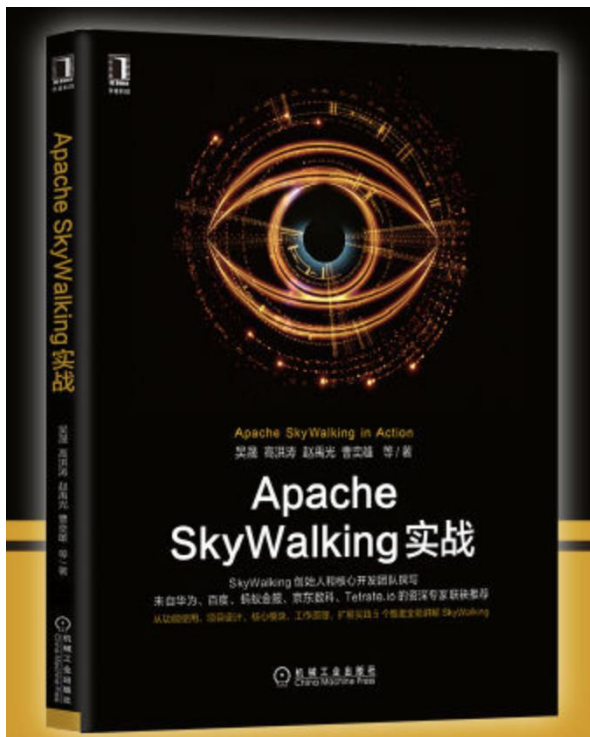- SkyWalking Envoy Tracer 由网易和Tetrate贡献给Envoy主库。

STAM: Enhancing Topology Auto Detection
For A Highly Distributed and Large-Scale Application System

论文：针对大型分布式应用系统的拓扑自动检测方法

https://wu-sheng.github.io/STAM/

Apache SkyWalking实战，中英文上市

Number Game. Metrics is nothing, just for fun.

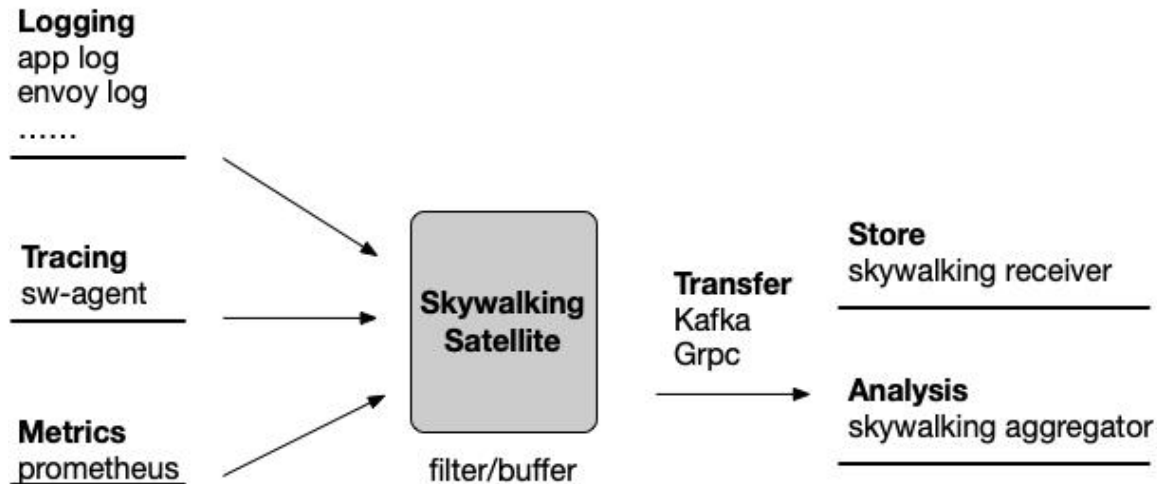|	2019	2020	增幅
GitHub Star	8k~	15k+	88%
Contributor	120~	280+	133%
User	80+	几乎所有一线公司	-
Committer	21	41	~100%
Pull Request			+680

2019

2020

Apache Skywalking Contributor Over Time
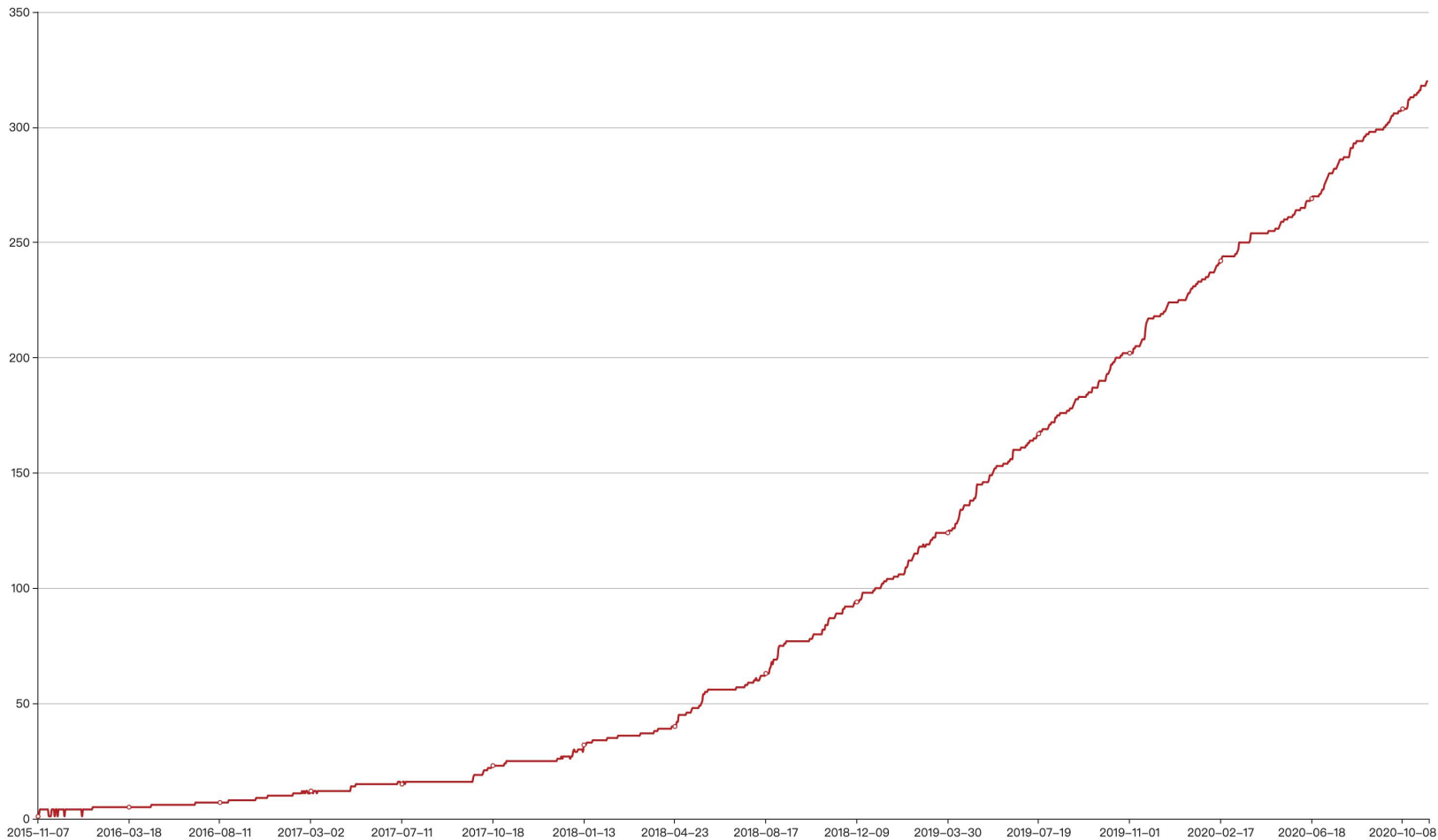
Apache SkyWalking's unfinished 2020

- K8s HPA

- SkyWalking Satellite

- Istio Telemetry v2

2021? What's next?

No plan, open to the community