

Skywalking

SkyWalking DevCon 2019

2019-05-11 10:00 ~ 17:00





Skywalking



Now ~ Next
Apache Top Level Project

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Diversity community and Committers

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- ❖ 付金林, 广州
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- ❖ Michael Semb Wever, thelastpickle.com, Australia
- ❖ 彭勇升, 永辉, 北京/上海
- ❖ 司冬雪, 云智慧, 北京
- ❖ 王文斌, 上海
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- ❖ Ignasi Barrera, tetrade.io, Spanish
- ❖ 姜宁, Huawei, 北京
- ❖ 李璨, 多点, 成都
- ❖ 李浪, 前隆科技, 上海
- ❖ 刘浩杨, 杭州
- ❖ 林嘉琦, 北京
- ❖ 王垚, DaoCloud, 上海
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- ❖ 赵禹光, 贝壳, 北京
- ❖ 张科伟, 随行付, 北京
- ❖ **120+ contributors**

What we HAVE today

- ❖ **120+ contributors, ~80 open users**
- ❖ Apache Top Level Project
- ❖ CNCF Landscape project
- ❖ 8k+ stars
- ❖ Multiple languages supported
- ❖ Service Mesh supported, list on istio.io

The beginning

- 2015
 - Create project for teaching
 - Provide a SDK, like Zipkin. But spanId rules from Alibaba EagleEye.
- 2016
 - Build Java agent core, still being used today.
 - Redesign the whole system, remove EagleEye design.
- 2017
 - Design and implement the prototype of APM
 - Join Apache Incubator

High speed 2018~Now

- 2018
 - First 5.0 version released at Apr., 5.0 GA released at Oct.
 - Backend redesign, extendable core, high performance in 6.x
 - Service Mesh supported.
- 2019
 - 6.0 GA released at Jan.
 - Graduated as Apache Top Level project
 - 6.1.0 released at May with new UI and features.

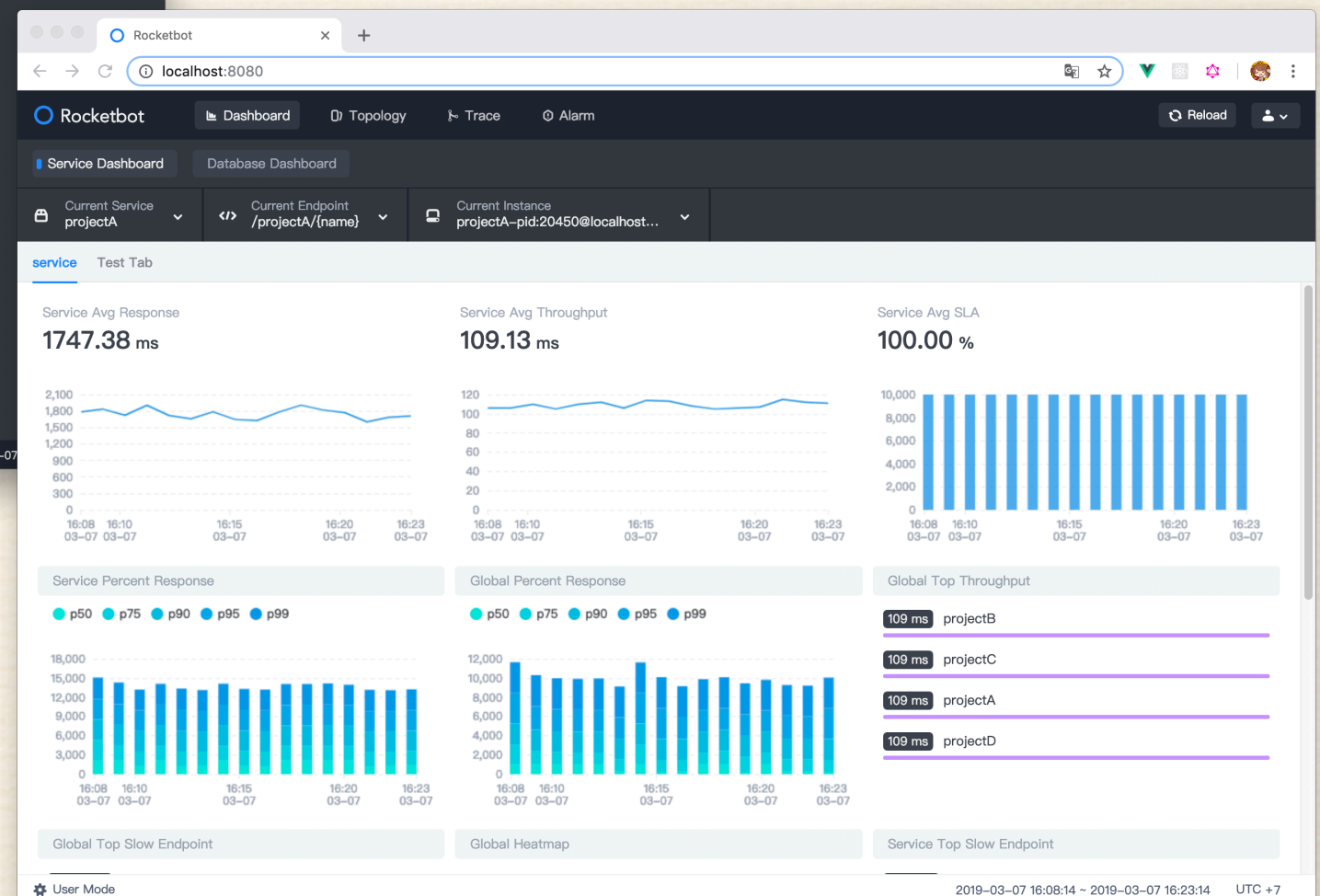
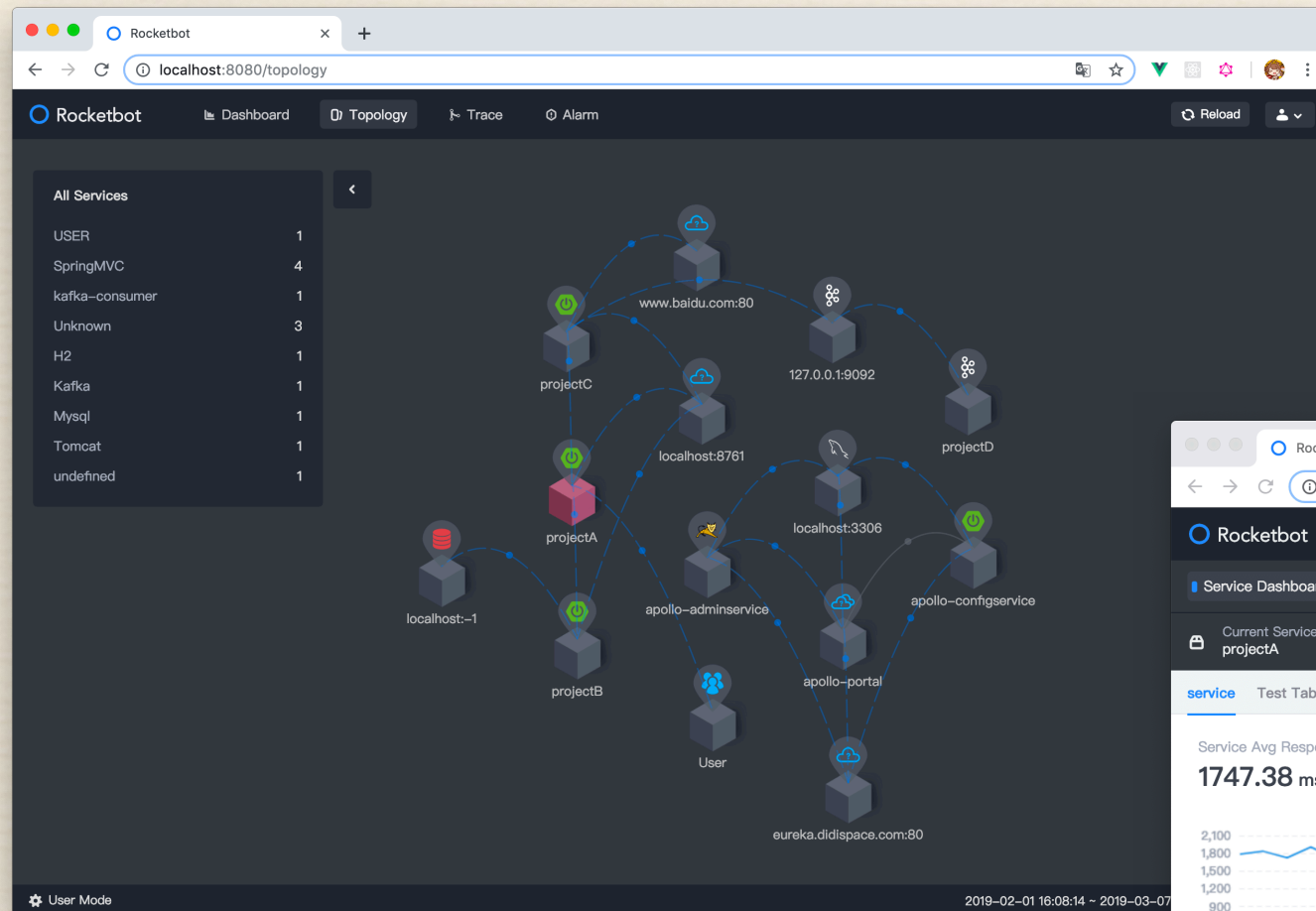
Features provided in 6

- ❖ Kubernetes native deployment solution provided.
- ❖ Backend sampling supported.
- ❖ Database access metrics and Slow statement detection supported.
- ❖ New Alarm core.
- ❖ Exporter supported.
- ❖ MySQL, TiDB supported. H2 is back.
- ❖ Backend server telemetry supported.

What's NEXT in 2019?

SkyWalking RocketBot

First Class UI



SkyWalking in **GO!**
Open Source today
By tetrate.io

Potential key features in 2019

- ❖ Configuration API
- ❖ Command downstream.
- ❖ Agent hot reboot.
- ❖ Nginx Lua plugin

How to take part in?

- ❖ GitHub issue (English only)
- ❖ Mail list: dev@skywalking.apache.org. (English only)
 - ❖ Mail to dev-subscribe@skywalking.apache.org, follow the reply to subscribe the mail list.
- ❖ Online channel(unofficial)
 - ❖ Twitter, <https://twitter.com/ASFSkyWalking>. News release.
 - ❖ QQ Group: 392443393 (Chinese)
 - ❖ Join #skywalking channel at Apache Slack (English only)

Documents

❖ <https://github.com/apache/skywalking/blob/master/docs/README.md>

Welcome

Here are SkyWalking 6 official documents. Welcome to join us

From here you can learn all about **SkyWalking**'s architecture, how to deploy and use SkyWalking, also develop based on SkyWalking.

- [Concepts and Designs](#). Concepts and designs explain the most important core ideas about SkyWalking. You can learn from here if you want to understand what is going on under our cool features and visualization.
- [Setup](#). Setup contains guides for installing SkyWalking in different scenarios. As a platform, it provides several ways to provide observability, including monitoring and alarm of course.
- [Contributing Guides](#). Guides are for PMC member, committer or new contributor. At here, you can know how to contribute from beginning.
- [Protocols](#). Protocols show the communication ways between agents/probes and backend. Anyone, interested in uplink telemetry data, definitely should read this.
- [FAQs](#). Include a manifest, including already known setup problems, secondary developments experiments. When you are facing a problem, check here first.

In addition, you might find these links interesting:

- The latest and old releases are all available at [Apache SkyWalking release page](#). The change logs are [here](#).
 - You can find the speaking schedules at Conf, online videos and articles about SkyWalking in [Community resource catalog](#). Also, if you have some related to us, welcome to submit a pull request to add.
 - We're always looking for help improving our documentation and codes, so please don't hesitate to [file an issue](#) if you see some problem. Or better yet, submit your own contributions through pull request to help make them better.
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Compiling

Build Project

Because we are using Git submodule, we recommend don't use `GitHub` tag or release page to download source codes for compiling.

Build from GitHub

1. Prepare git, JDK8 and maven3
2. `git clone https://github.com/apache/skywalking.git`
3. `cd skywalking/`
4. Switch to the tag by using `git checkout [tagname]` (Optional, switch if want to build a release from source codes)
5. `git submodule init`
6. `git submodule update`
7. Run `./mvnw clean package -DskipTests`
8. All packages are in `/dist` (.tar.gz for Linux and .zip for Windows).

Build from Apache source code release

- What is `Apache source code release` ?

For each official Apache release, there is a complete and independent source code tar, which is including all source codes. You could download it from [SkyWalking Apache download page](#). No git related stuff required when compiling this. Just follow these steps.

1. Prepare JDK8 and maven3
2. Run `./mvnw clean package -DskipTests`
3. All packages are in `/dist` (.tar.gz for Linux and .zip for Windows).

Welcome

