

#### Alibaba Summer of Code

Enjoy coding with global open source projects this summer!



## **ASoC 2020 Final Report**

Provide a separate tutorial for each Arthas command

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## **CATALOG**

1.Who am I

2.What did I do

- 3.My experience...

# <u>Arthas</u>



Who am I?

**○** Self-introduction



## **SELF-INTRODUCTION**



## Songlin Jiang

Lanzhou University
2018 Undergraduate majoring in CS

@HollowMan6

ASoC 2020 Arthas Community only successful Applicant

## My Contributions



## My Mentors



Alibaba Cloud Engineers, Arthas Developers

## <u>Arthas</u>



#### What did I do?

- Project Requirements
- **D**esign Concepts
- Deliverables
- Additional Achievements
- Project Effect



## PROJECT REQUIREMENTS



- > Move tutorial git Repository to Arthas itself
- > Seperate the tutorial, provide a separate tutorial for each Arthas command
- > Update the web page
- > Add links to the online tutorials for the official documents

## **DESIGN CONCEPTS**



### > Design Concepts Abstract

1. Use real-world environment to learn and test new technologies in the browser to help developers learn and master best practices.

2. Solve the user's trouble of too troublesome to set up own environment, not having supported environment to try Arthas and the poor operability of the documents and the difficulty of hands-on practice.



Straightforward

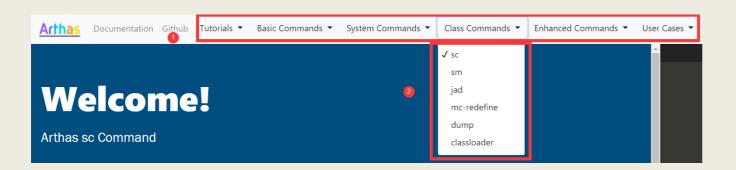
Fast

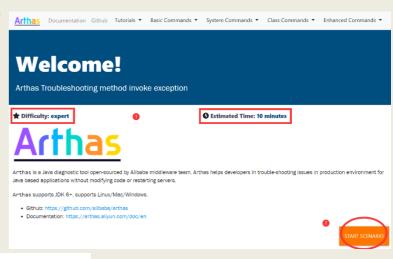


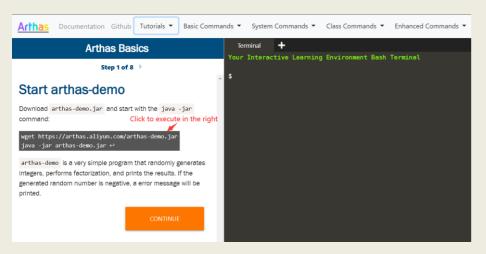


#### https://arthas.aliyun.com/doc/arthas-tutorials.html?language=en

Chinese + English Arthas Online Tutorial + User Cases







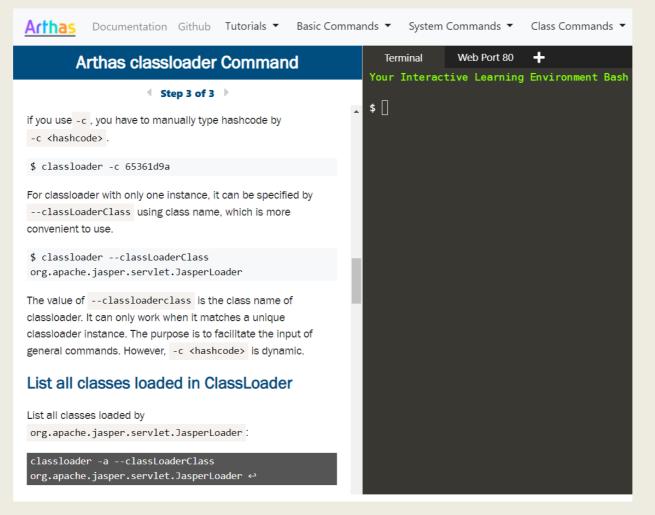




### ADDITIONAL ACHIEVEMENTS



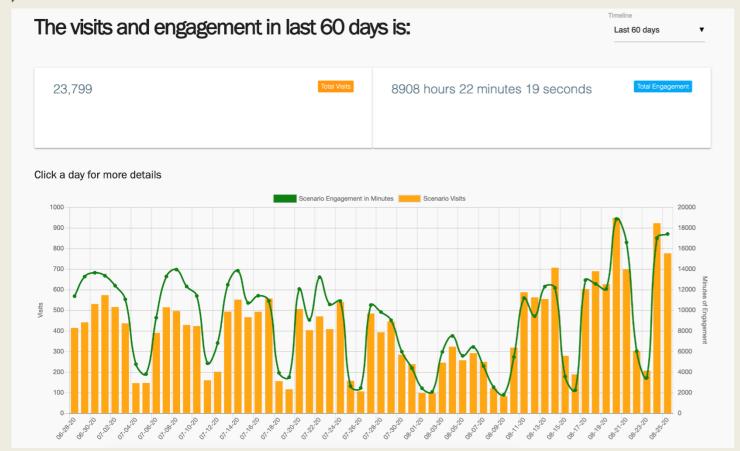
In addition to writing online tutorials for Arthas, I also actively improved the relevant commands, adding -- classLoaderClass parameter to the classloader, sc, sm, logger, dump, getstatic, jad, mc, redefine commands, so that users can execute commands directly in the tutorial without manually entering the ClassLoaderHash value.







- Before July 31, more than half of commands and user tutorials had merged into the upstream. Since August 14, all command tutorials were completed and tested online.
- During the test, the number of visits to the tutorial increased dramatically, and was well received by many users!



Statistics of the visit and engagement duration of the tutorials. It can be seen that after the new version of the tutorial test was launched on August 14, users and engagement duration have increased significantly.

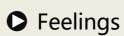


Well received by users





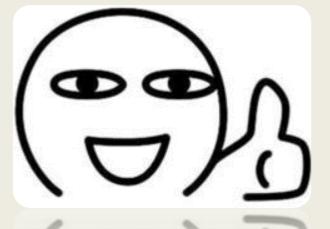
My experience...







- Alibaba Summer of Code 2020 has greatly trained my team
- > cooperation and communication skills, broadened my vision, and I gained a lot.
- > The two mentors also gave me a lot of guiding opinions.
  - if you have enough enthusiasm for open source, you are
- > recommended to participate in the future Alibaba Summer of Code activities!





## ASoC 2020 Final Report



## THANKSI

