

网络服务接入平台

Network Services Access and Operation Platform

面向甲方程序设计组

Colin Roger Thony William

Demo

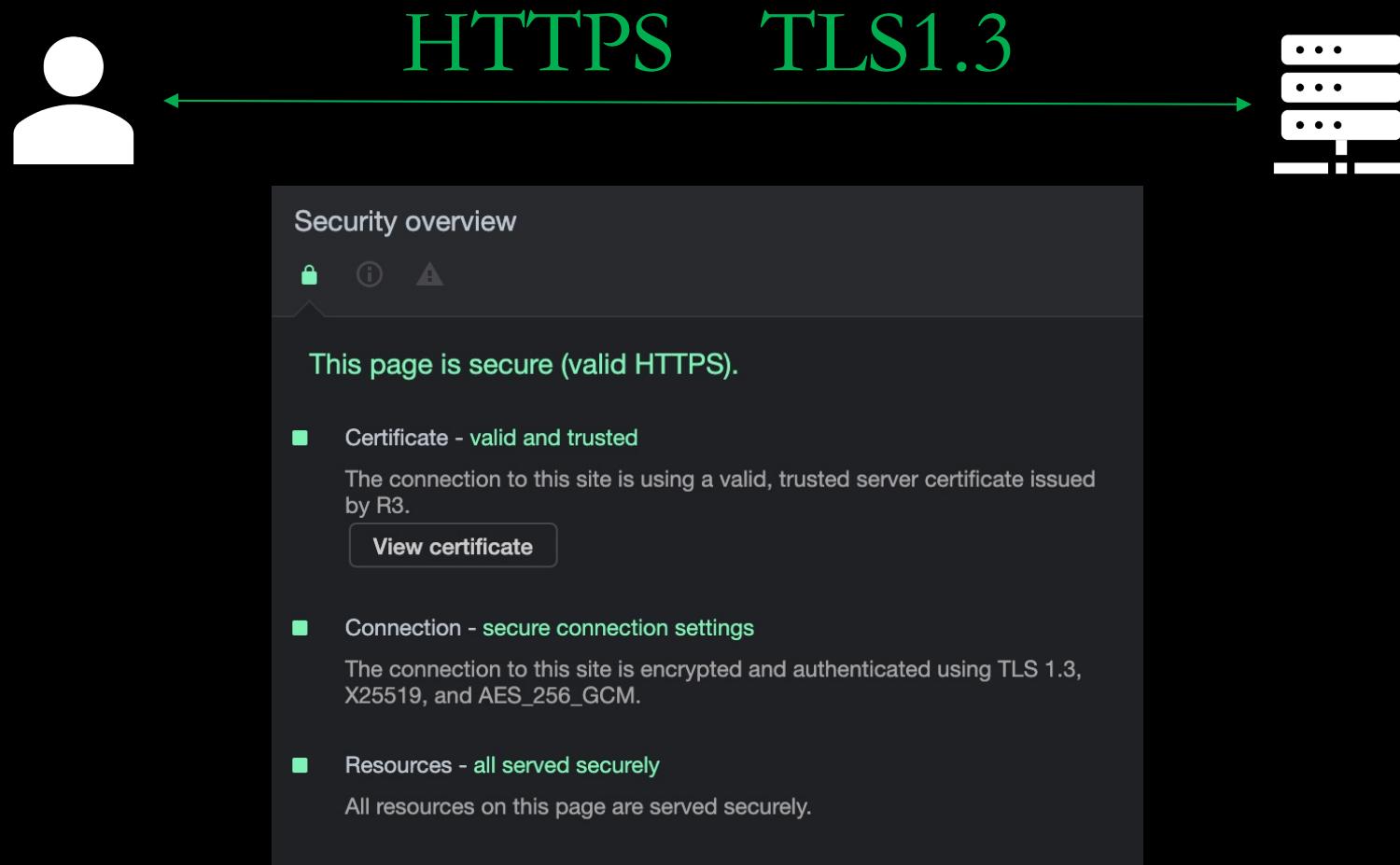
<https://nsaop.enjoycolin.top>

安全

Safe

“Privacy – like eating and breathing – is one of life’s basic requirements.”

安全



“Privacy – like eating and breathing – is one of life’s basic requirements.”

安全



“Privacy – like eating and breathing – is one of life’s basic requirements.”

安全



“Privacy – like eating and breathing – is one of life’s basic requirements.”

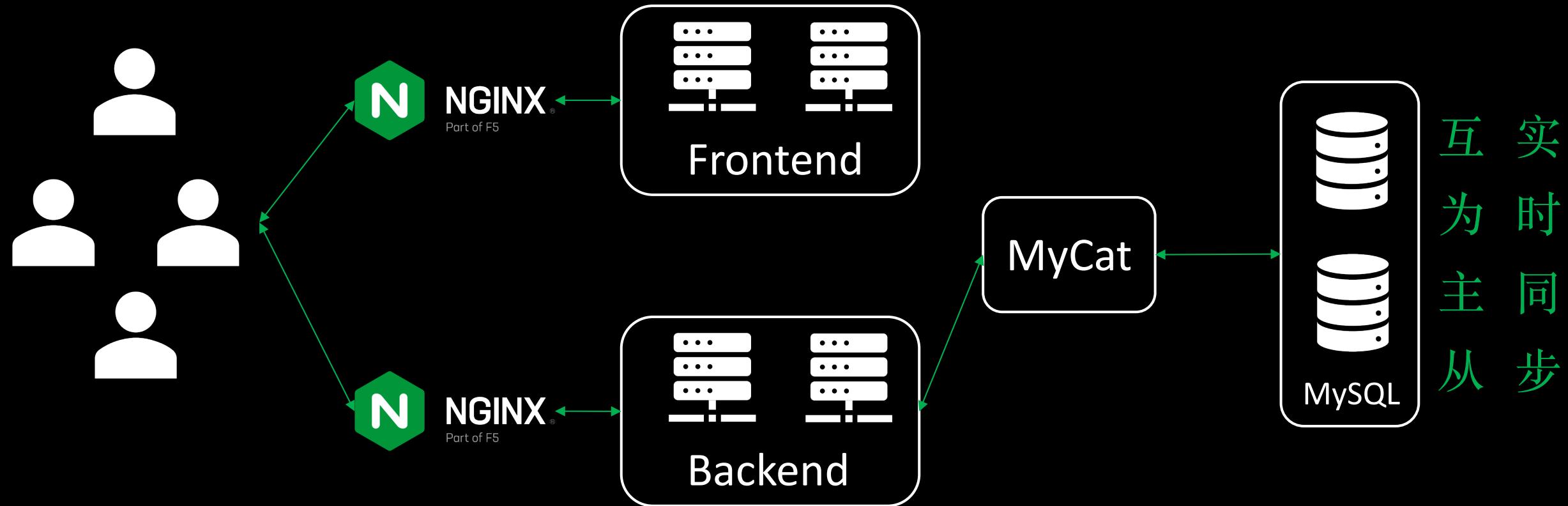
穩定

Stable & Reliable

“There is no finish line when it comes to system reliability and availability, and our efforts to improve them never cease.”

稳定

双机备份 | 负载均衡



“There is no finish line when it comes to system reliability and availability, and our efforts to improve them never cease.”

稳定



限制高频请求
限制超大请求体



限制输入长度
防止 ReDoS 攻击
处理 NCE 异常



reCAPTCHA

无感人机验证

“There is no finish line when it comes to system reliability and availability, and our efforts to improve them never cease.”

高效

Efficient

“我就感觉到快！” - 三三

高效



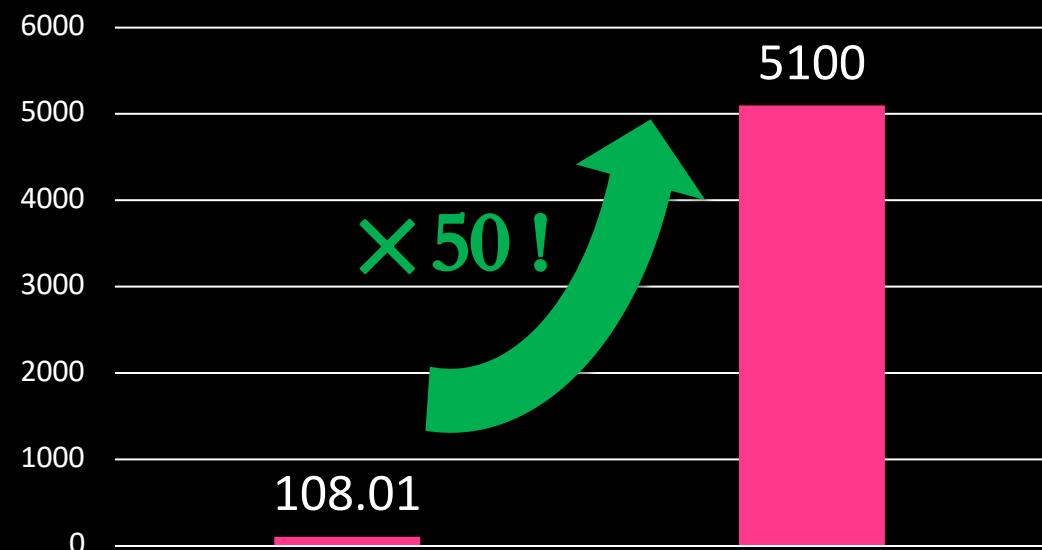
Gin Web
Framework

```
(base) → [/root/wrk] git:(master) ./wrk -t2 -c20 -d20s
http://localhost:10080/v1/m
Running 20s test @ http://localhost:10080/v1/m
  2 threads and 20 connections
  Thread Stats Avg Stdev Max +/- Stdev
    Latency 2.13ms 1.62ms 70.03ms 92.34%
    Req/Sec 5.10k 837.67 6.11k 88.50%
  202912 requests in 20.02s, 24.58MB read
  Non-2xx or 3xx responses: 202912
Requests/sec: 10133.02
Transfer/sec: 1.23MB
```



```
(base) → [/root/wrk] git:(master) ./wrk -t2 -c20 -d20s
http://127.0.0.1:8000/api/m
Running 20s test @ http://127.0.0.1:8000/api/m
  2 threads and 20 connections
  Thread Stats Avg Stdev Max +/- Stdev
    Latency 91.46ms 31.62ms 383.73ms 67.95%
    Req/Sec 108.01 24.81 222.00 78.89%
  4301 requests in 20.08s, 10.56MB read
  Non-2xx or 3xx responses: 4301
Requests/sec: 214.22
Transfer/sec: 538.70KB
```

Avg Req/Sec



Python/Django

Go/Gin

1C 2G

Ubuntu 20.04.1 LTS

Intel(R) Xeon(R) Platinum 8163 CPU @ 2.50GHz

“我就感觉到快！” - =_= =

美观

Beautiful

“People ignore design that ignores people.”

美观



Card Design



Responsive Design



“People ignore design that ignores people.”

2.4K + 4.7K

安全

Safe

高效

Efficient

面向甲方

“FatherOriented”

稳定

Stable & Reliable

美观

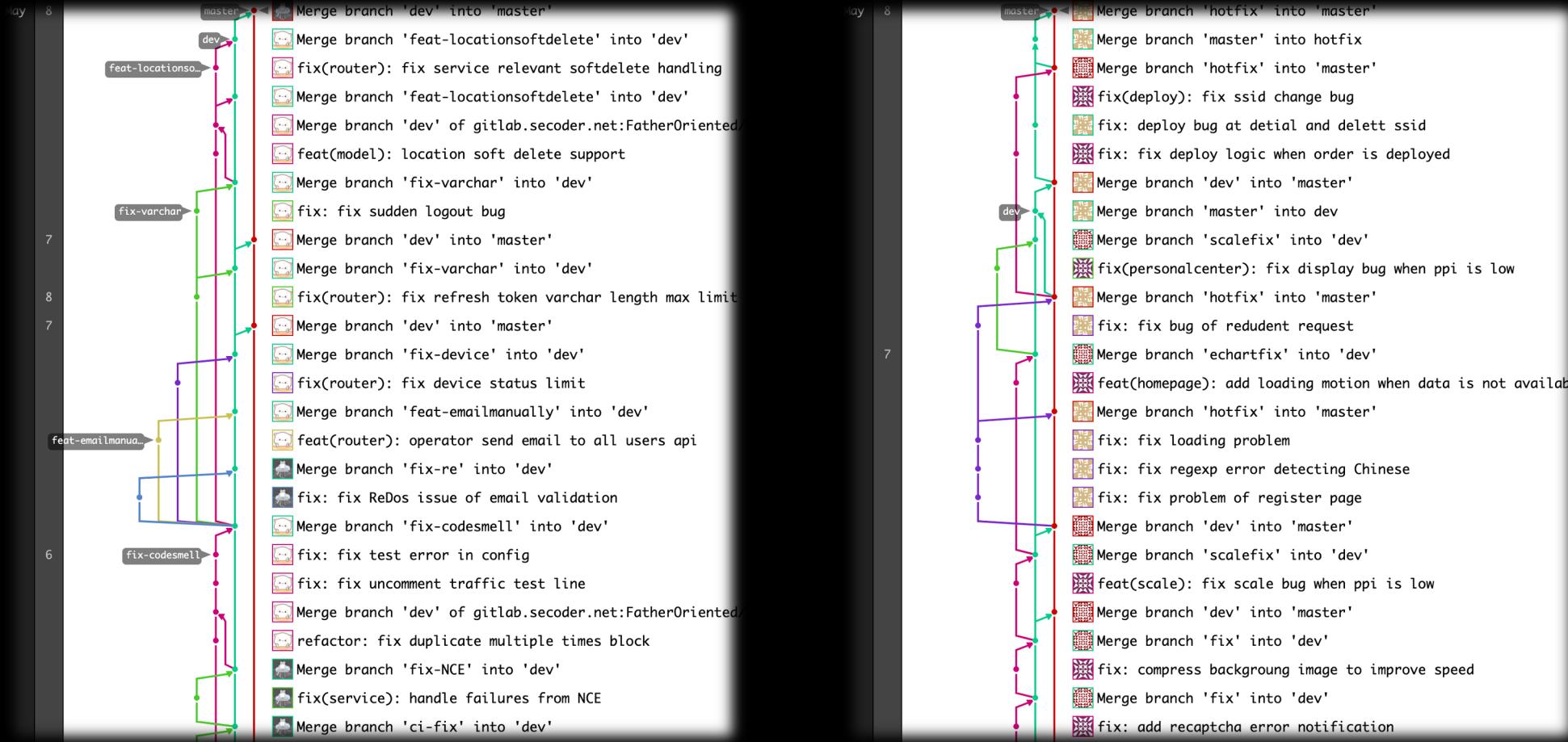
Beautiful

开发过程

Development Process

*“It’s not the result that’s important;
it’s who you become in the process of achieving the result.”*

Git Graph



*“It's not the result that's important;
it's who you become in the process of achieving the result.”*

Issues Board

The screenshot shows a digital workspace for managing issues. On the left, a sidebar menu lists various project components: Project overview, Repository, Issues (selected), Boards (highlighted in blue), Labels, Service Desk, Milestones, Merge Requests, CI / CD, Operations, Packages & Registries, Analytics, Wiki, Snippets, Members, and Collapsible sidebar. The main area is titled 'Issue Boards' under 'Development'. It features three columns: 'To Do' (orange border), 'Doing' (green border), and 'Closed' (grey border). A search bar at the top says 'Search or filter results...'. Below the columns are buttons for 'Add list' and 'Add issues'. The 'Closed' column contains a list of completed tasks, each with a small user icon and a timestamp:

- sudden logout #94 Yesterday
- fix varchar limit error #106 Today
- send email to all users #104 Today
- api refactor #102
- location change and delete status #93
- service modify #78
- fix device cannot get on pause #105 Yesterday

*“It’s not the result that’s important;
it’s who you become in the process of achieving the result.”*

Issues Board

The screenshot shows a digital workspace for the NSAOP-frontend project. On the left, a sidebar menu lists various project management features: Project overview, Repository, Issues (with 1 item), Boards (selected), Labels, Service Desk, Milestones, Merge Requests (0 items), CI / CD, Operations, Packages & Registries, Analytics, Wiki, Snippets, Members, and a 'Collapse sidebar' option.

The main area is titled 'Issue Boards' and displays a Kanban-style board with three columns: 'Development' (selected), 'To Do' (orange header), 'Doing' (green header), and 'Closed'. A search bar at the top of the board allows filtering by 'Search or filter results...' and includes dropdowns for 'Development' and 'Status'. Buttons for 'Add list' and 'Add issues' are located in the top right corner of the board area.

The 'To Do' column is currently empty. The 'Doing' column is also empty. The 'Closed' column contains the following items:

- Refactor: network #67
- Refactor: regexp #68
- fronted load balancing #66 (marked as 'Today')
- Network error #65
- adjust validators #64
- add debounce #62
- add email button #61

*“It's not the result that's important;
it's who you become in the process of achieving the result.”*

SonarQube

The screenshot shows the SonarQube interface for the project "FatherOriented NSAOP-backend". The top navigation bar includes links for Projects, Issues, Rules, Quality Profiles, Quality Gates, and a search bar. A banner at the top right indicates "Last analysis had 1 warning" on May 8, 2021, at 2:29 AM, with a note about "Version not provided".

The main content area displays the "MEASURES" section, which includes:

- Quality Gate Status:** Passed (All conditions passed).
- New Code (From last 7 days):** 0 Bugs, Reliability: A
- Overall Code:** 0 Vulnerabilities, Security: A
- Security Hotspots:** 0, Reviewed, Security Review: A
- Debt:** 33min, Code Smells: 1, Maintainability: A
- Coverage:** 89.1% (Coverage on 716 Lines to cover), Unit Tests: -
- Duplications:** 0.0% (Duplications on 2.5k Lines), Duplicated Blocks: 0

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SonarQube

The screenshot shows the SonarQube interface for the project "FatherOriented NSAOP-frontend". The top navigation bar includes links for Projects, Issues, Rules, Quality Profiles, Quality Gates, and a search bar. A message indicates "Last analysis had 2 warnings" on May 8, 2021, at 12:02 AM.

QUALITY GATE STATUS: Passed (All conditions passed).

MEASURES (New Code tab selected):

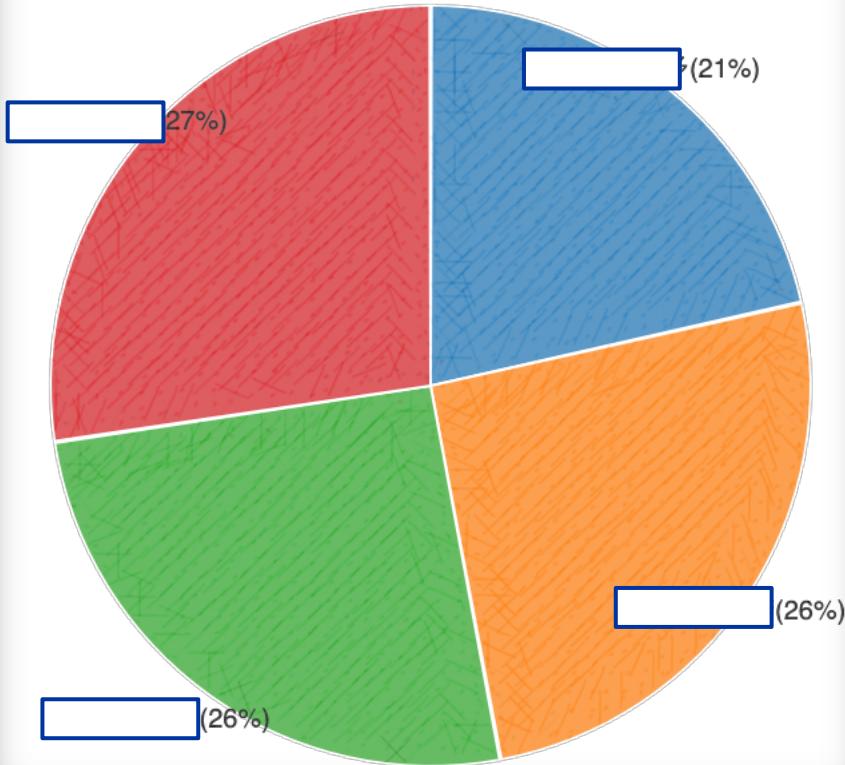
- New Bugs: 0 (Reliability: A)
- New Vulnerabilities: 0 (Security: A)
- New Security Hotspots: 0 (Security Review: A)
- 100% Reviewed

Code Smells: 48min Added Debt, 11 New Code Smells (Maintainability: A)

Duplications: 1.77% Duplications on 2.4K New Lines

*“It’s not the result that’s important;
it’s who you become in the process of achieving the result.”*

We are a team!



“Talent wins games, but teamwork and intelligence win championships.”

前后端沟通

Swagger API Document

The screenshot displays a Swagger API documentation interface for the NSAOP Backend API. The title is "NSAOP Documents for Developer 1.0.0". The main section is titled "Location". A POST request is shown for the endpoint "/location/change". The request body is described as "change location info" and includes a note: "with jwt auth, change user's location (by id) must fill:". The body schema is defined as:

```
{  
  id, // which location id to change  
}  
*can be null.*  
  
{  
  comment, // readable comment for customer to remember  
  address, // location address  
  contact, // contact name, for privacy reason  
  phone, // contact phone  
}
```

Below the request, there is a "Parameters" table:

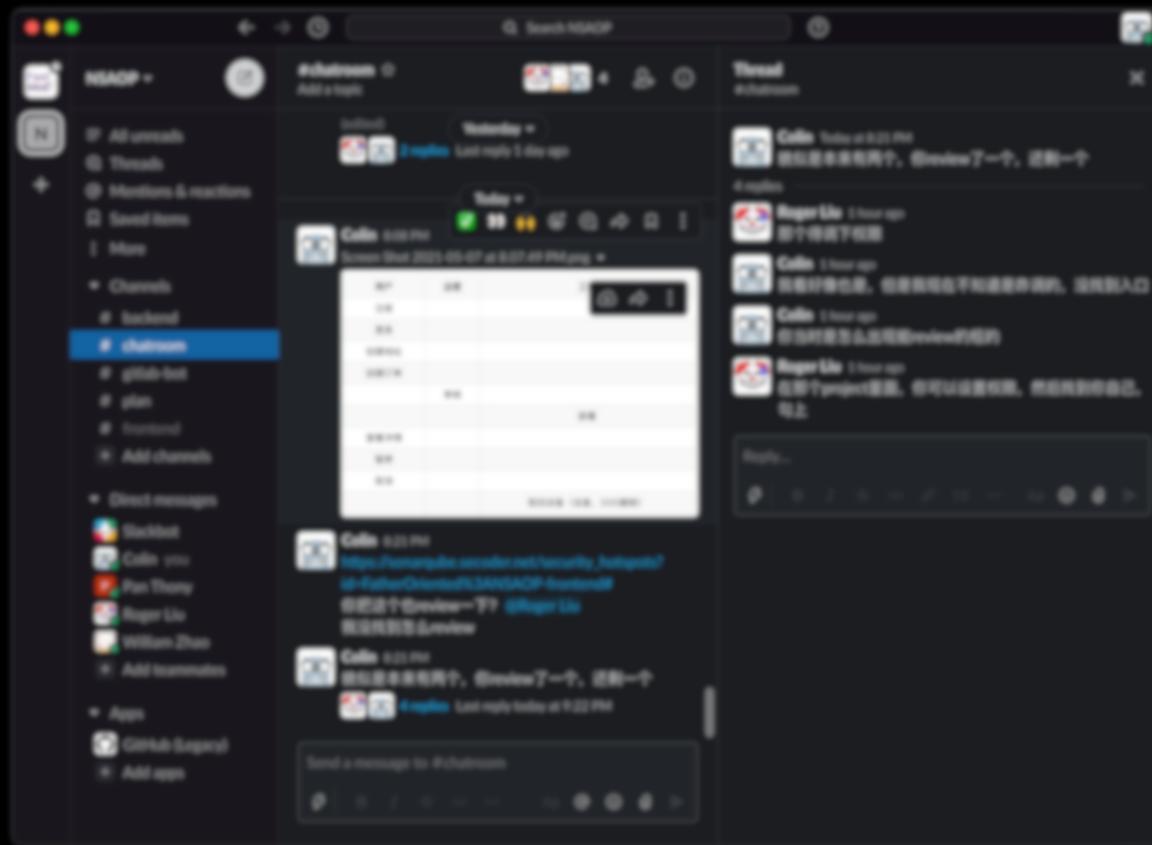
Name	Description
Authorization * required	Bearer [access_token] (header)

A "Try it out" button is located to the right of the parameters table.

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前后端沟通

Slack



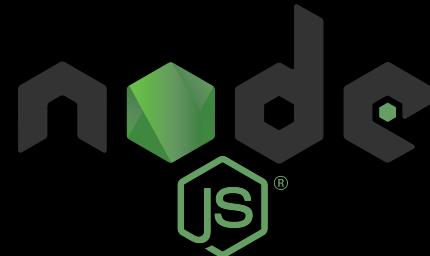
“Talent wins games, but teamwork and intelligence win championships.”

致謝

Acknowledgement

“An attitude of gratitude brings great things.”

致谢



GORM



.....

“I am a lazy person, which is why I like open source, for other people to do work for me.” -- Linus Torvalds





友商 OneHoldsThree

The End



NSAOP

面向甲方程序设计组

Colin Roger Thony William