

# 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

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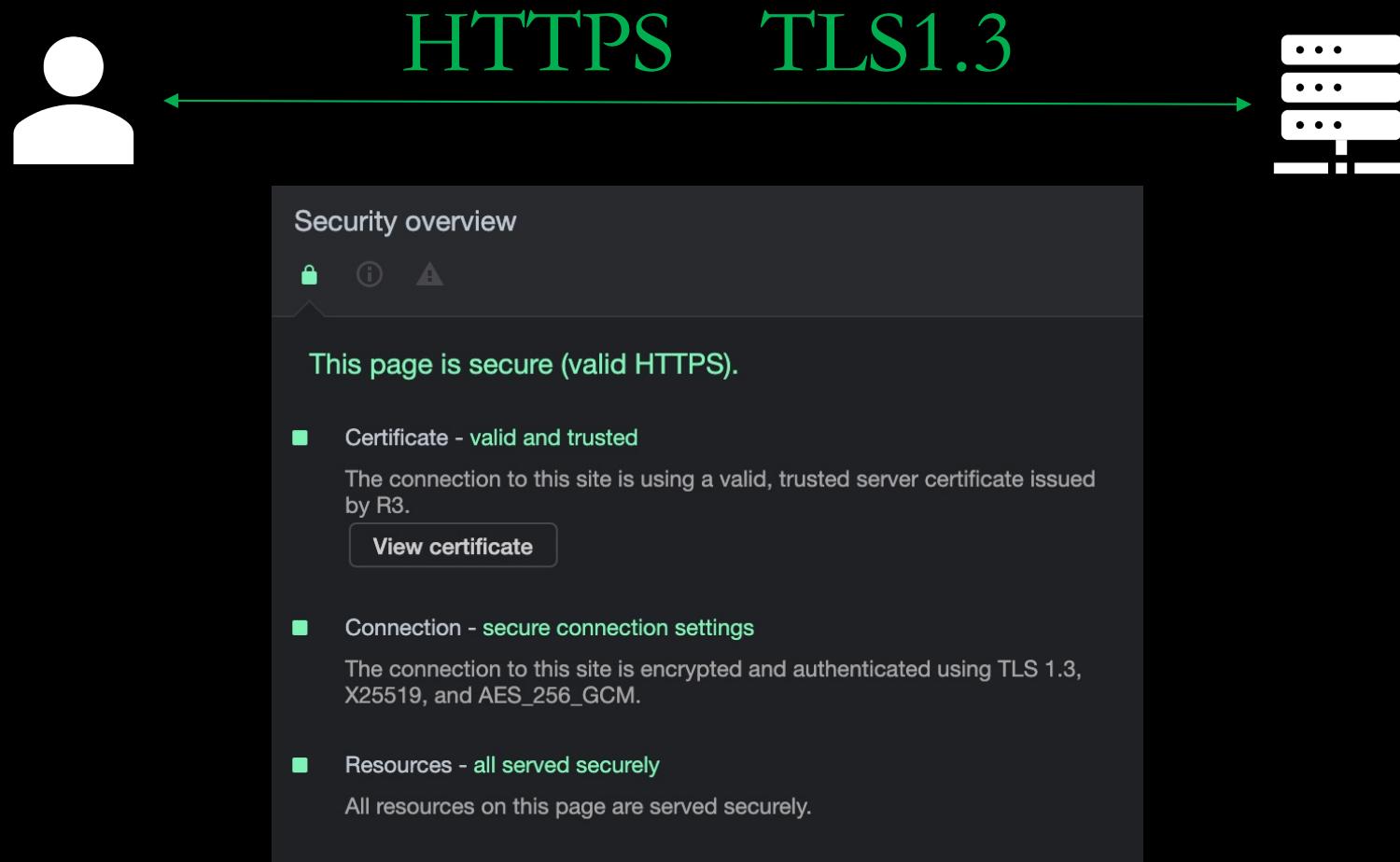
<https://nsaop.enjoycolin.top>

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



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# 安全



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

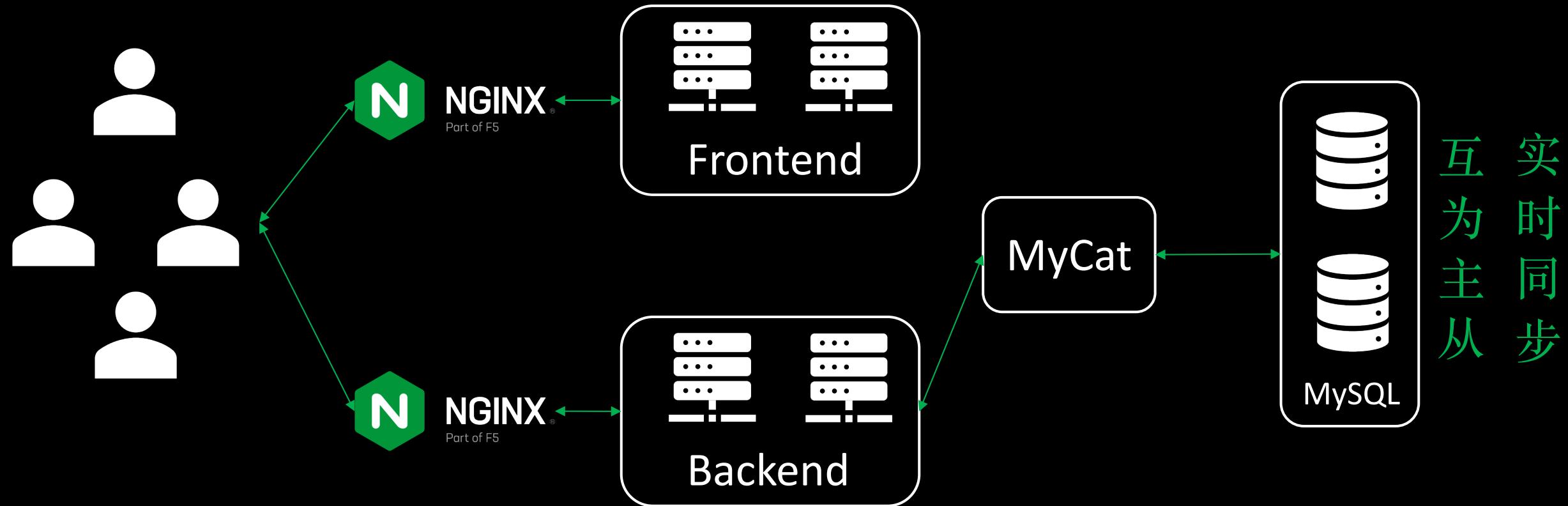
穩定

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

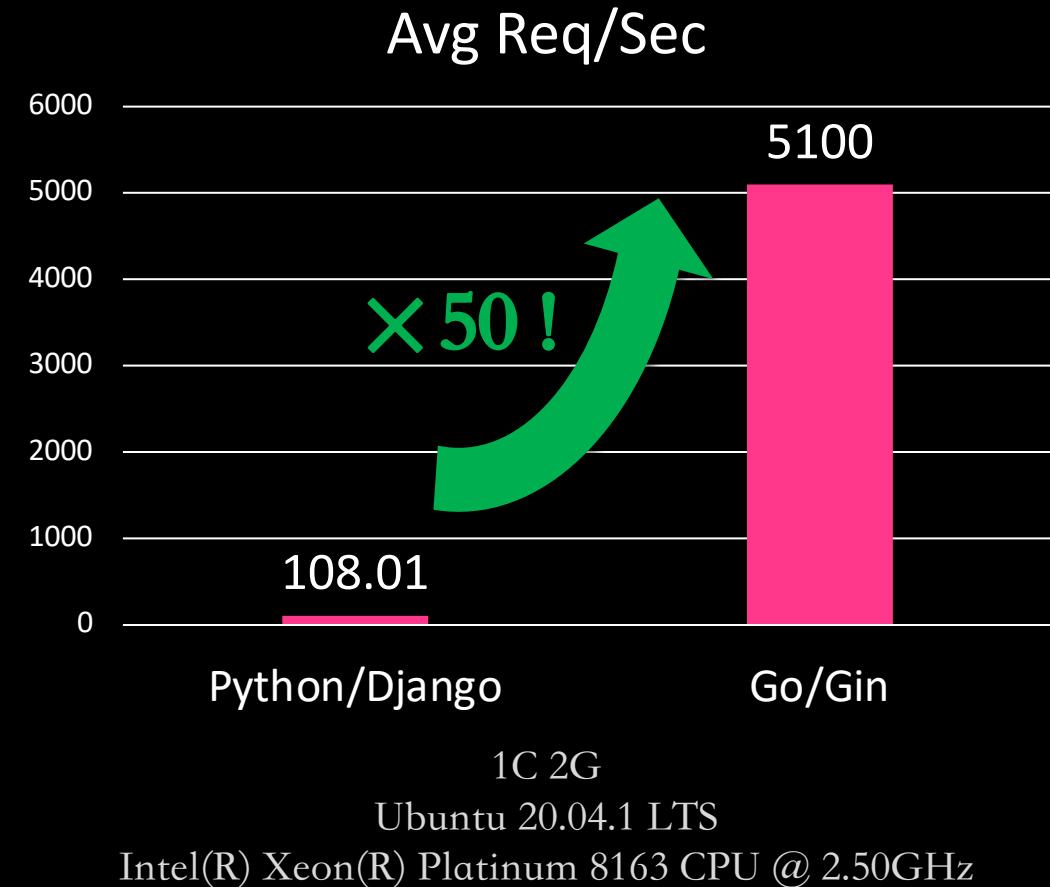


Gin Web  
Framework

```
(base) → [/root/wrk] git:(master) ./wrk -t2 -c20 -d20s
http://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
```



```
(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
```



“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

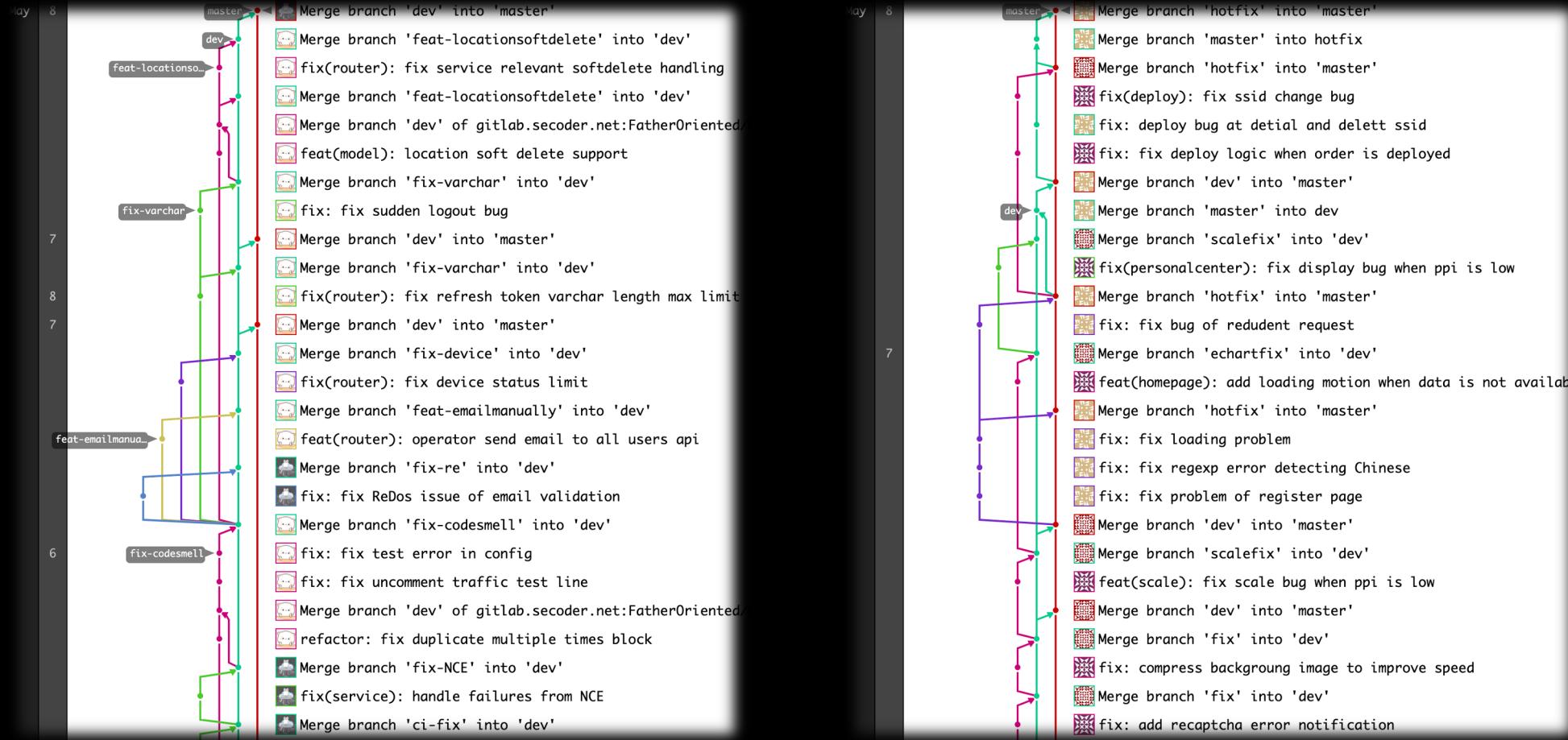
Beautiful

# 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 displays an issue board titled "Issue Boards" under the "Development" category. The board consists of three columns: "To Do" (orange header), "Doing" (green header), and "Closed" (grey header). The "Closed" column contains a list of completed tasks, each with a small user icon and a timestamp indicating when it was resolved. The tasks listed are:

- 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 shows 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 also present.

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

- Refactor: network #67
- Refactor: regexp #68
- fronted load balancing #66 (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, and Quality Gates. A search bar and a user icon are also present. The main content area displays the "Overview" tab, which includes a "QUALITY GATE STATUS" section indicating "Passed" with a green background and the message "All conditions passed.". Below this are various "MEASURES" such as New Code (0 Bugs), Overall Code (0 Vulnerabilities), Reliability (A), Security (A), Security Review (A), Maintainability (A), Debt (33min), Code Smells (1), and Unit Tests (89.1% coverage on 716 lines). A note at the top right states "Last analysis had 1 warning" from May 8, 2021, at 2:29 AM.

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it’s who you become in the process of achieving the result.”*

# 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):

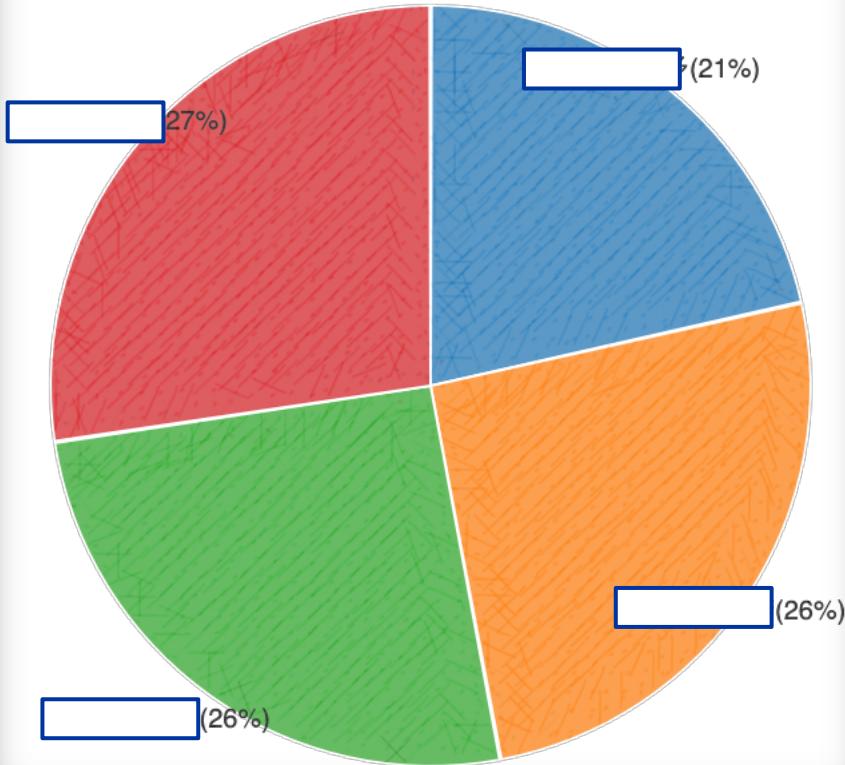
- New Bugs: 0 (Reliability: A)
- New Vulnerabilities: 0 (Security: A)
- New Security Hotspots: 0 (Security Review: A)
- 100% Reviewed

**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.”*

# 前端端沟通

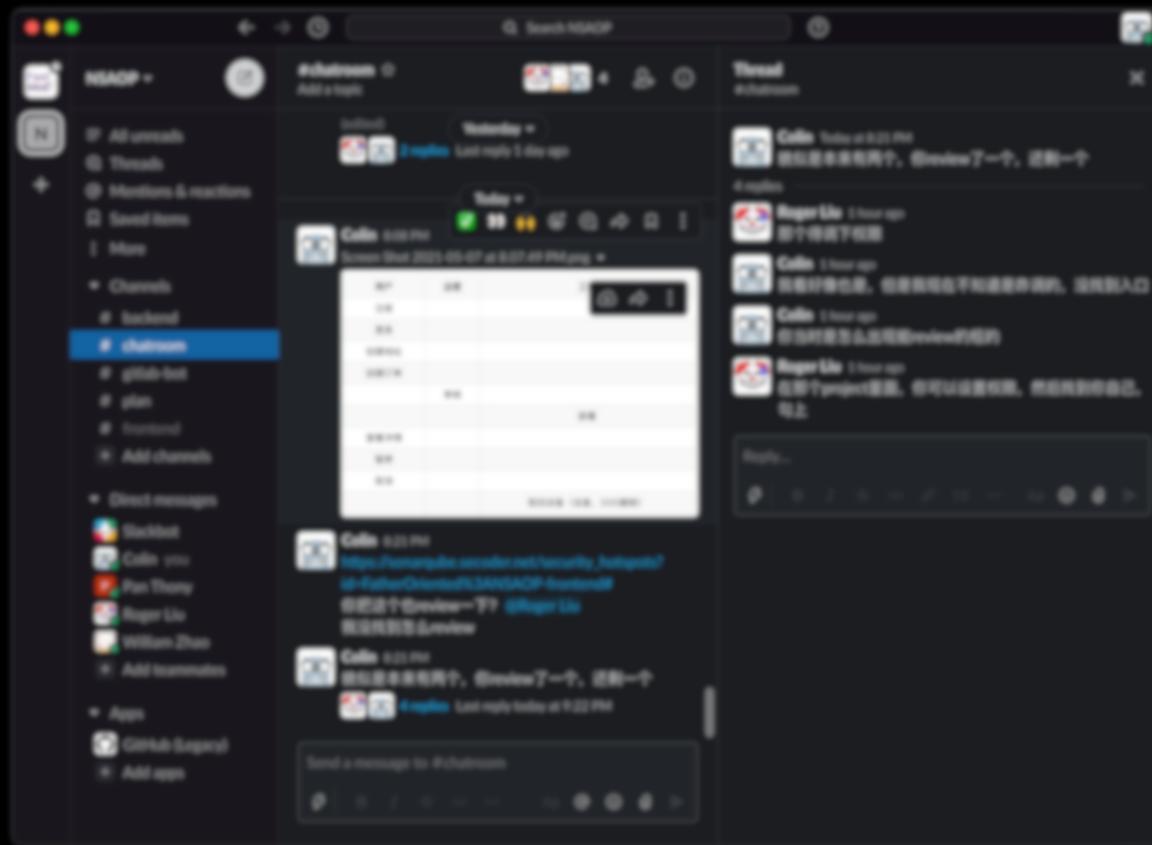
## Swagger API Document

The screenshot shows the Swagger UI interface for the NSAOP Documents for Developer API. The title bar includes the Swagger logo, the file name "doc.json", and a green "Explore" button. The main header displays "NSAOP Documents for Developer 1.0.0" and the URL "[ Base URL: /v1 ]". Below the header, it says "Backend API of NSAOP". The "Location" section is expanded, showing a POST method for "/location/change". The request body is described as "with jwt auth, change user's location (by id) must fill:" followed by a JSON schema. The schema includes fields for "id" (which must be filled), "comment" (readable comment for customer to remember address), "address" (location address), "contact" (contact name for privacy reason), and "phone" (contact phone). The "Parameters" section lists an "Authorization" parameter as required, with a type of "string" and a description of "Bearer [access\_token]" in the "(header)" context.

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

# 前端端沟通

Slack



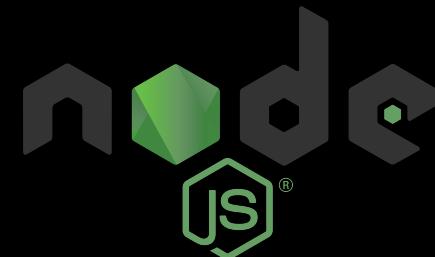
*“Talent wins games, but teamwork and intelligence win championships.”*

致謝

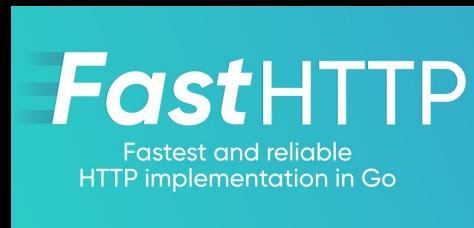
## Acknowledgement

*“An attitude of gratitude brings great things.”*

# 致谢



GORM



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*“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