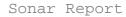


agent not provided

go:Sonar way 2024-06-17







目录

1. agent	Page 1
1.1. 概述	1
1.2. 问题分析	2
1.3. 问题详情	3
1.4. 质量配置	10



Sonar Report



1. agent

报告提供了项目指标的概要,显示了与项目质量相关的最重要的指标。如果需要获取更详细的信息,请登陆网站进一步查询。

报告的项目为agent , 生成时间为2024-06-17 , 使用的质量配置为 go:Sonar way , 共计 25条规则

۰

1.1. 概述

编码问题

Bug	可靠性修复工作
0	0min
漏洞	安全修复工作
0	0min
+z n土: '苦	垃米 佳冬
坏味道	技术债务
329	2d8h11min
329	开启问题 329
问题	重开问题 0
	确认问题 0
	误判问题 0
	不修复的问题 0
	已解决的问题 146
	已删除的问题 0
	阻断 0
	严重 234
	主要 10

次要

提示

静态分析

项目规模

79

6



agent

Sonar Report

17540	行数	22702
代码行数	方法	773
1 0515.	类	107
	文件	72
	目录	N/A
	重复行(%)	9.5

复杂度

 2268
 文件
 31.5

 复杂度

注释(%)

13.6 注释行数 2751 注释(%)

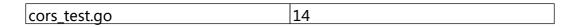
1.2. 问题分析

违反最多的规则TOP10	
String literals should not be duplicated	193
Function and method names should comply with a naming convention	79
Cognitive Complexity of functions should not be too high	32
Functions should not be empty	9
Track uses of "TODO" tags	6
Nested blocks of code should not be left empty	5
Track uses of "FIXME" tags	4
Functions should not have too many parameters	1

违规最多的文件TOP5	
router_test.go	92
echo_test.go	43
context_test.go	20
jwt_test.go	15



Sonar Report



复杂度最高的文件TOP5	
binder.go	322
router.go	162
router_test.go	146
echo_test.go	138
echo.go	116

重复行最多的文件TOP5	
router_test.go	852
ip_test.go	300
echo_test.go	191
echo_fs_test.go	142
cors_test.go	104

1.3. 问题详情

sonar

规则 String literals should not be duplicated



```
Duplicated string literals make the process of refactoring error-
prone, since you must be sure to update all occurrences.
On the other hand, constants can be referenced from many
places, but only need to be updated in a single place.
Noncompliant Code Example
With the default threshold of 3:

func run() {
    prepare("This should be a constant") // Noncompliant; 'This
    should ...' is duplicated 3 times
    execute("This should be a constant")
    release("This should be a constant")
}

Compliant Solution

const ACTION = "This should be a constant"

func run() {
    prepare(ACTION)
    execute(ACTION)
    release(ACTION)
}

Exceptions
To prevent generating some false-positives, literals having 5 or
less characters are excluded as well as literals containing only
letters, digits
and '_'.
```

and	
文件名称	违规行
agent:binder.go	227, 1113
agent:context_fs_test.go	34
agent:context_test.go	32, 176, 705, 793, 1035, 1059
agent:echo_fs_test.go	29, 49, 54, 62, 63, 65, 100, 104, 198
agent:echo_test.go	82, 102, 116, 118, 123, 153, 157, 498, 507, 508, 509, 510, 528, 604, 654, 658, 662, 970, 976, 990, 1150, 1251, 1313, 1320, 1327, 1577, 1614, 1630, 1641, 1658, 1699, 1704
agent:group_fs_test.go	27, 28
agent:group_test.go	17
agent:ip_test.go	40, 42, 100, 101, 339, 376, 378, 380, 386, 398, 407
agent:json_test.go	37
basic_auth_test.go	33
body_limit_test.go	19
compress_test.go	63



cors_test.go	61, 199, 202, 262, 267, 335, 408, 424, 533
csrf_test.go	43, 67, 88, 124, 262
extractor_test.go	60, 73, 139, 151, 154, 155, 165, 168, 223, 486, 486, 543
jwt_test.go	60, 81, 161, 204, 237, 480
key_auth_test.go	19, 67
logger_test.go	69, 112
secure_test.go	42
static_test.go	30, 33, 44, 89, 185, 250
agent:router_test.go	179, 209, 215, 221, 224, 235, 240, 252, 280, 293, 299, 306, 333, 337, 344, 348, 367, 381, 393, 399, 415, 427, 436, 467, 468, 475, 481, 492, 500, 508, 524, 557, 558, 559, 560, 561, 562, 587, 588, 589, 590, 591, 592, 617, 618, 619, 620, 696, 706, 891, 959, 960, 966, 978, 1523, 1664, 1665, 1746, 1747, 1749, 1820, 1973, 1975, 1977, 2098, 2099, 2211, 2212, 2215, 2401, 2402, 2403, 2442, 2446, 2447, 2448, 2570, 2730, 2731, 2796, 2797, 2798

规则 Function and method names should comply with a naming convention



```
知则描述

Shared naming conventions allow teams to collaborate efficiently. This rule checks that all function names match a provided regular expression.

Noncompliant Code Example
With default provided regular expression: ^(_|[a-zA-Z0-9]+)$:

func execute_all() {
...
}

Compliant Solution

func executeAll() {
...
}
```

文件名称	违规行
agent:context_fs_test.go	15, 81
agent:context_test.go	528, 542, 805, 836, 847, 862, 872, 883, 894, 952, 996, 1008, 1024
agent:echo_fs_test.go	16, 186, 246
agent:echo_test.go	811, 943, 1139, 1177, 1264, 1556, 1720, 1735, 1755
agent:group_fs_test.go	15, 76
agent:group_test.go	126, 191
agent:ip_test.go	22
agent:json_test.go	16, 53
body_dump_test.go	94, 104, 114, 124, 134
body_limit_test.go	86, 167
compress_test.go	317, 327, 337
cors_test.go	256, 303, 394, 629
csrf_test.go	17, 321
jwt_test.go	441, 465, 488, 534, 591, 632, 658, 708
key_auth_test.go	275, 291, 306
logger_test.go	202, 238
request_id_test.go	45
static_test.go	172, 325
agent:response_test.go	34, 43, 53, 77, 88, 104
agent:router_test.go	734, 1368, 1452, 2716, 2773, 2781, 2789

规则 Cognitive Complexity of functions should not be too high



规则描述

Cognitive Complexity is a measure of how hard the control flow of a function is to understand. Functions with high Cognitive Complexity will be difficult to maintain.

See

Cognitive Complexity

文件名称	违规行
agent:bind.go	67, 135
agent:binder.go	560, 788, 1041
agent:echo_test.go	943, 1493
basic_auth.go	57
compress.go	72
cors.go	136
cors_test.go	16
csrf.go	96
csrf_test.go	17
decompress.go	52
extractor.go	98
extractor_test.go	36
jwt.go	169
jwt_test.go	91
key_auth.go	95
logger.go	95
proxy.go	282
rate_limiter.go	111
recover.go	70
request_logger.go	251
secure.go	97
slash.go	84
static.go	141
agent:router.go	159, 214, 258, 542
agent:router_test.go	2716

规则 Functions should not be empty



规则描述

There are several reasons for a method not to have a method body:

It is an unintentional omission, and should be fixed to prevent

an unexpected behavior in production.
It is not yet, or never will be, supported. In this case an exception should be thrown.
The method is an intentionally-blank override. In this case a nested comment should explain the reason for the blank override.

Noncompliant Code Example

func doNothing() { // Noncompliant

Compliant Solution

func doNothing() {
// Do nothing because of X and Y.

文件名称	违规行
agent:context_test.go	360
body_dump_test.go	66, 84
key_auth_test.go	94, 121, 231
middleware_test.go	103, 119
agent:response_test.go	66

<mark>规则</mark> Track us	es of "TODO" tags
规则描述	TODO tags are commonly used to mark places where some more code is required, but which the developer wants to implement later. Sometimes the developer will not have the time or will simply forget to get back to that tag. This rule is meant to track those tags and to ensure that they do not go unnoticed. Noncompliant Code Example func foo() { // TODO }
	See
	MITRE, CWE-546 - Suspicious Comment
> 4.1 44	5-1-7-

文件名称	违规行
agent:group_test.go	15
proxy.go	23
responsecontroller_1.19.go	15, 32
agent:responsecontroller_1.19.go	15, 32



<mark>规则</mark> Nested	blocks of code should not be left empty		
Most of the time a block of code is empty when really missing. So such empty block must be either nemoved. Noncompliant Code Example func compute(a int, b int) { sum := a + b if sum > 0 { } // Noncompliant; empty on purpose piece of code? fmt.Println("Result:", sum) }		when a piece of code is be either filled or	
		purpose or missing	
	Compliant Solution		
	func compute(a int, b int) { sum := a + b if sum > 0 { fmt.Println("Positive result")		
	fmt.Println("Result:", sum) }		
	Exceptions When a block contains a comment, this b be empty. for without init and post statements with empty blocks are ignored	lock is not considered to as well.	
文件名称		违规行	
agent:router.go		172, 235, 281, 613, 675	

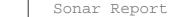
规则 Track uses of "FIXME" tags			
规则描述	-		
文件名称		违规行	
agent:echo.go 583		583	
agent:router.go 220		220	
agent:router_test.go 1155, 1161		1155, 1161	



1		
规则 Functions should not have too many parameters		
规则描述	A long parameter list can indicate that a new structure should be created to wrap the numerous parameters or that the function is doing too many things. Noncompliant Code Example With a maximum number of 4 parameters:	
	func foo(p1 int, p2 int, p3 int, p4 int, p5 int) { // Noncompliant // } Compliant Solution	
	func foo(p1 int, p2 int, p3 int, p4 int) { // }	
文件名称		违规行
agent:router.go 398		398

1.4. 质量配置

质量配置	go:Sonar way Bug:6 坏味道:17		
规则		类型	违规级别
Variables should	not be self-assigned	Bug	主要
Identical expressions should not be used on both sides of a binary operator		Bug	主要
All code should I	oe reachable	Bug	主要
Related "if/else if" statements should not have the same condition		Bug	主要
"=+" should not	be used instead of "+="	Bug	主要
All branches in a conditional structure should not have exactly the same implementation		Bug	主要
Cognitive Complexity of functions should not be too high		坏味道	严重
String literals should not be duplicated		坏味道	严重
Functions should not be empty		坏味道	严重
Redundant pairs of parentheses should be removed		坏味道	主要
Track uses of "FIXME" tags		坏味道	主要
Two branches in a conditional structure should not have exactly the same implementation		坏味道	主要
Functions should not have identical implementations		坏味道	主要
Track parsing failures		坏味道	主要
"switch" statements should not have too many "case" clauses		坏味道	主要
Functions should not have too many parameters		坏味道	主要
Nested blocks of code should not be left empty		坏味道	主要





Multi-line comments should not be empty	坏味道	次要
Boolean checks should not be inverted	坏味道	次要
Boolean literals should not be redundant	坏味道	次要
Function and method names should comply with a naming convention	坏味道	次要
Local variable and function parameter names should comply with a naming convention	坏味道	次要
Track uses of "TODO" tags	坏味道	提示

agent