



chimei_admin_dev

Version 1.0

2024-12-24



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1. chimei_admin_dev

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Quality Profiles

Profiles

Profile name	Language	Number of active rules
Sonar way	CloudFormation	26
Sonar way	C#	260
Sonar way	CSS	23
Sonar way	Docker	7
Sonar way	Flex	47
Sonar way	Go	25
Sonar way	Java	479
Sonar way	JavaScript	219
Sonar way	JSON	0
Sonar way	JSP	0
Sonar way	Kotlin	94
Sonar way	Kubernetes	6
Sonar way	PHP	180
Sonar way	Python	183
Sonar way	Ruby	30
Sonar way	Scala	30
Sonar way	Secrets	7
Sonar way	Terraform	49
Sonar way	Text	1
Sonar way	TypeScript	208
Sonar way	VB.NET	120
Sonar way	HTML	28
Sonar way	XML	24
Sonar way	YAML	0

1.2. Quality gate

Project status

Project status	Passed
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1.3. Metric dashboard

Leak Period : Comparison with the previous version

Reliability

2	0	C
Number of bugs	New bugs	Reliability rating
Total remediation effort		17min
New remediation effort		0min

Security


1	0	D
Vulnerabilities	New vulnerabilities	Security rating
Total remediation effort		20min
New remediation effort		0min

Maintainability

217	0	A
		2d 6h 56min
		0min
		0.5%
		0.0%
		0min

Code Coverage

Line coverage	0.0%
Branch coverage	null%
Uncovered lines	2401

	Sonar PDF Report	chimei_admin_dev
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Uncovered conditions	
Lines to cover	2401

Code Duplication

3.1%	
Duplicated lines density	
Duplicated blocks	17
Duplicated lines	357
Duplicated files	10

Size

9696	
Number of lines of code	
Lines	11439
Statements	2026
Functions	1430
Classes	345
Files	285
Directories	

Code complexity

1928	
Code complexity	
Function complexity	
File complexity	7.0
Class complexity	

Documentation

4.6%	
Comment lines density	
Number of comment lines	471

Issues

220	0
Violations	New violations
Open issues	220
Reopened issues	0
Confirmed issues	0
False positive issues	0
Won't fix issues	0

1.4. Issues Analysis

Most violated rules

SEVERITY : ALL

Rule name	Language	Rule count
Sections of code should not be commented out	C#	32
Null Null Null		21
Types and methods should not have too many generic parameters	C#	20
; new		16
Track uses of "TODO" tags	C#	11
'CancellationToken'		10
Boolean literals should not be redundant	C#	9
		9
Unread "private" fields should be removed	C#	6
Parameter names should match base declaration and other partial definitions	C#	6

SEVERITY : INFO

Rule name	Language	Rule count
Track uses of "TODO" tags	C#	11
'CancellationToken'		10
		9
		5
		4
		1

SEVERITY : MINOR

Rule name	Language	Rule count
Boolean literals should not be redundant	C#	9
Unused local variables should be removed	C#	6
Fields should not have public accessibility	C#	5
URIs should not be hardcoded	C#	3
Non-derived "private" classes and records should be "sealed"	C#	2
Types should be named in PascalCase	C#	2
Generic exceptions should not be ignored	C#	2
Loops should be simplified with "LINQ" expressions	C#	1
"string.ToCharArray()" and "ReadOnlySpan<T>.ToArray()" should not be called redundantly	C#	1

SEVERITY : MAJOR

Rule name	Language	Rule count
Sections of code should not be commented out	C#	32
Null Null Null		21
Types and methods should not have too many generic parameters	C#	20
; new		16
Collapsible "if" statements should be merged	C#	4
Parameter validation in "async"/"await" methods should be wrapped	C#	4
Unused private types or members should be removed	C#	4
Unused assignments should be removed	C#	3
Unused type parameters should be removed	C#	3
Nested blocks of code should not be left empty	C#	2

SEVERITY : CRITICAL

Rule name	Language	Rule count
Unread "private" fields should be removed	C#	6
Parameter names should match base declaration and other partial definitions	C#	6
Cognitive Complexity of methods should not be too high	C#	5
Non-constant static fields should not be visible	C#	5
Encryption algorithms should be used with secure mode and padding scheme	C#	1

SEVERITY : BLOCKER

Rule name	Language	Rule count
Method overloads with default parameter values should not overlap	C#	1

Most violated files

Filename	ServerStorageProvider.cs
File path	
Number of violations	23

Most complex files

Filename	ProductRepository.cs
File path	backend/src/Infrastructure/Repositories/ProductRepository.cs
File complexity	2

Filename	MngConfiguration.cs
File path	backend/src/Application/Configurations/MngConfiguration.cs
File complexity	2

Filename	IPreference.cs
File path	backend/src/Shared/Settings/IPreference.cs



File complexity	2
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Filename	IEntityWithExtendedAttributes.cs
File path	backend/src/Domain/Contracts/IEntityWithExtendedAttributes.cs
File complexity	2

Filename	IEntity.cs
File path	backend/src/Domain/Contracts/IEntity.cs
File complexity	2

Filename	ICurrentUserService.cs
File path	backend/src/Application/Interfaces/Services/ICurrentUserService.cs
File complexity	2

Filename	HostBuilderExtensions.cs
File path	backend/src/Server/Extensions/HostBuilderExtensions.cs
File complexity	2

Filename	GetProductImageResponse.cs
File path	backend/src/Application/Features/Products/Queries/GetProductImage/GetProductImageResponse.cs
File complexity	2

Filename	GetAllUsersResponse.cs
File path	backend/src/Application/Responses/Identity/GetAllUsersResponse.cs
File complexity	2

Filename	GetAllRolesResponse.cs
File path	backend/src/Application/Responses/Identity/GetAllRolesResponse.cs
File complexity	2

Most duplicated files

No duplications

1.5. Issues Details

BUG

Filename	EncryptService.cs
File path	backend/src/Infrastructure/Services/EncryptService.cs
missing!general.severity	MINOR
missing!general.line	43
missing!general.message	Remove this redundant 'ToCharArray' call.

Filename	ExtendedAttributeFilterSpecification.cs
File path	backend/src/Application/Specifications/ExtendedAttribute/ExtendedAttributeFilterSpecification.cs
missing!general.severity	MAJOR
missing!general.line	16
missing!general.message	Remove this conditional structure or edit its code blocks so that they're not all the same.

VULNERABILITY

Filename	EncryptService.cs
File path	backend/src/Infrastructure/Services/EncryptService.cs
missing!general.severity	CRITICAL
missing!general.line	34
missing!general.message	Use secure mode and padding scheme.