DataGuardian Pro
Enterprise Privacy Compliance Platform

SOC2 Compliance Report

Generated on: May 03, 2025 14:27 **Scan ID:** SOC-20250503-5a13ee

Executive Summary

This report presents the findings of a SOC2 compliance analysis conducted on **https://github.com/vishaal314/terrascan** (branch: **master**) on **2025-05-03 14:27:00**. The scan identified a total of **161** compliance issues with **129** high-risk items. The overall compliance score is **1/100**. **Technologies Detected:** terraform, javascript, cloudformation, docker, pulumi, kubernetes, ansible Each finding in this report is mapped to specific SOC2 Trust Services Criteria (TSC) to help you understand how it impacts your compliance posture. The TSC categories include: • CC: Common Criteria (Security) • A: Availability • PI: Processing Integrity • C: Confidentiality • P: Privacy

Scan Type	soc2
Repository URL	https://github.com/vishaal314/terrascan
Branch	master
Date & Time	2025-05-03 14:27:00
Technologies	terraform, javascript, cloudformation, docker, pulumi, kubernetes, ansible
Compliance Score	1/100
IaC Files Found	1662
Total Files Scanned	2202
High Risk Issues	129
Medium Risk Issues	32
Low Risk Issues	0
Security Issues	146
Availability Issues	10
Confidentiality Issues	5

Risk Assessment

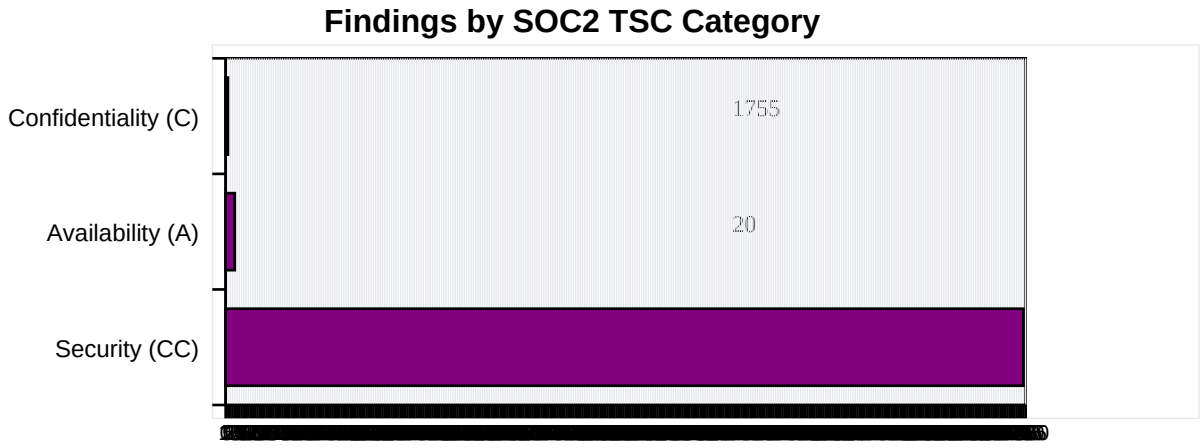
Detailed Findings

SOC2 Compliance Summary

This SOC2 compliance scan resulted in a score of 1/100, which is considered Critical. The findings are categorized below based on Trust Services Criteria (TSC) categories to help with prioritization and remediation.

Repository	https://github.com/vishaal314/terrascan
Branch	master
Scan Date	2025-05-03 14:27:00
Total Findings	161
High Risk Findings	129
Medium Risk Findings	32
Low Risk Findings	0

Findings by SOC2 TSC Category



SOC2 Detailed Findings

File	Line	Description	Risk	Category	SOC2 TSC
deploy/helm/templates/deployment.yaml	32	Container not running as non-root user	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
pkg/cli/testdata/run-test/main.tf	2	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
pkg/cli/testdata/run-test/test_container.yaml	19	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
pkg/cli/testdata/run-test/test_container.yaml	43	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
pkg/cli/testdata/run-test/web.tf	14	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
pkg/cli/testdata/run-test/web.tf	23	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
pkg/downloader/module-download_test.go	571	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/file-scan.go	107	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/file-scan_test.go	395	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/start.go	65	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/start.go	96	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/webhook-scan.go	31	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/webhook-scan.go	36	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/webhook-scan.go	41	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/webhook-scan_test.go	24	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/assets/bootstrap.min.css	6	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/http-server/testdata/testconfig.tf	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
pkg/http-server/testdata/testconfig.tf	50	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
pkg/http-server/testdata/testconfig.tf	56	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
.../v1/testdata/templates/s3/iam.json	24	IAM policy with unrestricted access	HIGH	Security	CC6.1, CC6.3
.../v1/testdata/templates/s3/s3.json	7	S3 bucket with public read access	HIGH	Confidentiality	C1.1

...testdata/templates/s3/deploy.template	24	IAM policy with unrestricted access	HIGH	Security	CC6.1, CC6.3
...testdata/templates/s3/deploy.template	3	S3 bucket with public read access	HIGH	Confidentiality	C1.1
...ac-providers/docker/401/parsed.tmpl	1	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...bernetes/v1/testdata/k8s_pod.tmpl	16	Pod uses hostPath volume	HIGH	Security	CC6.1, CC6.8
...bernetes/v1/testdata/k8s_pod.tmpl	17	Pod uses hostPath volume	HIGH	Security	CC6.1, CC6.8
...data/file-test-data/test_bad_1.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...data/file-test-data/test_bad_1.yaml	33	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
.../file-test-data/test_bad_metadata.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
.../file-test-data/test_bad_metadata.yaml	28	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...-test-data/test_bad_metadata_name.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...-test-data/test_bad_metadata_name.yaml	29	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...file-test-data/test_bad_namespace.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...file-test-data/test_bad_namespace.yaml	36	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...tdata/file-test-data/test_no_1.yaml	14	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...tdata/file-test-data/test_no_1.yaml	32	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...a/file-test-data/test_no_metadata.yaml	14	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...a/file-test-data/test_no_metadata.yaml	32	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...e-test-data/test_no_metadata_name.yaml	14	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...e-test-data/test_no_metadata_name.yaml	32	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...testdata/file-test-data/test_pod.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...testdata/file-test-data/test_pod.yaml	33	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...le-test-data/test_pod_skip_1.yaml	19	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...le-test-data/test_pod_skip_1.yaml	43	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...testdata/yaml-extension2/test_pod.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1

...testdata/yaml-extension2/test.yaml	33	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...with-multiple-documents/test.yaml	15	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...with-multiple-documents/test.yaml	33	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
.../erroneous-deployment/deployment.yaml	16	Container allowed to escalate privileges	HIGH	Security	CC1.1, CC1.2, CC1.3, CC1
...roviders/output/vulnerability_test.go	28	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...roviders/output/vulnerability_test.go	30	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...roviders/output/vulnerability_test.go	113	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...raform/commons/convertors_test.go	287	Use of test() function	HIGH	Security	CC5.1, CC6.8, CC7.2
...erraform/commons/lookup_test.go	52	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...viders/terraform/commons/test.go	31	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...v12/testdata/deep-nested-module	5	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...-module-source/invalid_source	3	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...estdata/invalid-module-config	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...rm/v12/testdata/module-config	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...v12/testdata/module-config.tf	11	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...orm/v12/testdata/tfconfigs.tf	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...orm/v12/testdata/tfconfigs.tf	49	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...orm/v12/testdata/tfconfigs.tf	55	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...12/testdata/tfjson/module.tfplan.json	591	AWS policy with unrestricted access	HIGH	Security	CC6.1, CC6.3
...v14/testdata/deep-nested-module	5	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...-module-source/invalid_source	3	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...estdata/invalid-module-config	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...rm/v14/testdata/module-config	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...v14/testdata/module-config.tf	11	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7

...orm/v14/testdata/tfc	1	nfigs AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...orm/v14/testdata/tfc	49	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...orm/v14/testdata/tfc	55	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...14/testdata/tfjson/m	591	IAM policy with unrestricted access	HIGH	Security	CC6.1, CC6.3
...v15/testdata/deep-m	5	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...-module-source/inva	3	id_sec AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...estdata/invalid-modu	1	econfig AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...rm/v15/testdata/modu	1	econfig AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...v15/testdata/modules	41	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...orm/v15/testdata/tfc	1	nfigs AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...orm/v15/testdata/tfc	49	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...orm/v15/testdata/tfc	55	Security group with unrestricted ingress	HIGH	Security	CC6.6, CC6.7
...15/testdata/tfjson/m	591	IAM policy with unrestricted access	HIGH	Security	CC6.1, CC6.3
pkg/initialize/run.go	76	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...mission-webhook/vali	67	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...mission-webhook/vali	73	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...mission-webhook/vali	92	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...on-webhook/validatin	67	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/k8s/dblogs/webhoo	72	k-scale exec function	HIGH	Security	CC6.1, CC6.8, CC7.2
pkg/k8s/dblogs/webhoo	208	k-scale exec function	HIGH	Security	CC6.1, CC6.8, CC7.2
...oviders/arm/config/a	26	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...oviders/arm/config/a	33	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...ders/arm/config/kube	83	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...-providers/arm/config	27	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7

...-providers/arm/config/mssql.rego	33	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...iac-providers/arm/functions.rego	34	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...providers/arm/functions/parameters.go	38	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...roviders/arm/functions/resource.rego	38	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...c-providers/arm/functions/variable.go	38	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...-providers/arm/functions/variables.go	38	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...iac-providers/cft/functions/sub.rego	75	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...roviders/cft/functions/s3-url_test.go	27	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...pper/iac-providers/cft/storage.rego	41	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...pper/iac-providers/cft/storage.rego	61	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...pper/iac-providers/cft/storage.rego	64	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...pper/iac-providers/cft/storage.rego	80	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...notifications/webhook/webhook_test.go	23	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...nction/lambdaNotEncryptedWithKms.rego	10	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...s/kubernetes_pod/AppArmorProfile.go	106	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/utils/skip_rules_test.go	23	S3 bucket with public read access	HIGH	Confidentiality	C1.1
pkg/utils/http/request.go	40	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/vulnerability/acr.go	87	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
pkg/vulnerability/acr.go	208	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
pkg/vulnerability/gcr.go	251	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
pkg/vulnerability/harbor.go	85	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/vulnerability/harbor.go	74	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
pkg/vulnerability/harbor_test.go	333	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
test/e2e/scan/scan_test.go	217	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7

...ata/iac/aws/aws_am	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...aws/aws_db_instance_vi	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...aws/aws_db_instance_vi	21	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	34	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	51	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	65	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	78	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	91	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	111	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	130	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	149	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...aws/aws_db_instance_vi	89	Resource with encryption disabled	HIGH	Confidentiality	C1.1
...aws/aws_db_instance_vi	32	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...aws/aws_db_instance_vi	46	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...aws/aws_db_instance_vi	106	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...aws/aws_db_instance_vi	125	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...aws/aws_db_instance_vi	144	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...ng/max_severity_set	12	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...x_severity_set_none	12	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...x_both_severity_set	13	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...ng/min_severity_set	12	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...rity_with_skip_rule/tf	13	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	1	AWS provider without version constraint	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...c/resource_skipping	21	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7

...c/resource_skipping	4	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	51	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	67	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	81	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	94	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	114	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	132	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	152	Possible hard-coded password	HIGH	Security	CC6.1, CC6.7
...c/resource_skipping	92	Resource with encryption disabled	HIGH	Confidentiality	C1.1
...c/resource_skipping	32	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...c/resource_skipping	46	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...c/resource_skipping	109	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...c/resource_skipping	128	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...c/resource_skipping	147	Resource with backups disabled	MEDIUM	Availability	A1.2, A1.3
...cursive/subFolder	1/1	subFolder/main.tf	MEDIUM	Security	CC1.1, CC1.2, CC1.3, CC1
...ingwebhook/validating	43	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...ingwebhook/validating	38	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...ingwebhook/validating	76	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...e/vulnerability/vuln	42	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7
...e/vulnerability/vuln	44	Hard-coded credentials or secrets	HIGH	Security	CC6.1, CC6.6, CC6.7

SOC2 Recommendations

The following recommendations are based on the scan findings. Implementing these recommendations will help improve your SOC2 compliance posture and reduce risks.

1. Recommendation 1 (Priority: Medium)

SOC2 Security - Disable privilege escalation for containers

Implementation Steps:

• Review and remove hard-coded credentials and secrets

• Implement proper secret management

• Update security configurations to follow least privilege principle

• Focus on files: pkg/cli/testdata/run-test/test_pod.yaml:19, pkg/cli/testdata/run-test/test_pod.yaml:43, pkg/iac-providers/kubernetes/v1/testdata/file-test-data/test_bad_kind.yml:15...

• SOC2 TSC Criteria: CC1.1, CC1.2, CC1.3, CC1.4, CC2.1, CC2.2, CC2.3, CC3.1, CC3.2, CC3.3, CC3.4, CC4.1, CC4.2, CC5.1, CC5.2, CC5.3, CC6.1, CC6.2, CC6.3, CC6.4, CC6.5, CC6.6, CC6.7, CC6.8, CC7.1, CC7.2, CC7.3, CC7.4, CC7.5, CC8.1, CC9.1, CC9.2

2. Recommendation 2 (Priority: Medium)

SOC2 Security - Restrict ingress traffic to known IP ranges or specific sources

Implementation Steps:

• Review and remove hard-coded credentials and secrets

• Implement proper secret management

• Update security configurations to follow least privilege principle

• Focus on files: pkg/cli/testdata/run-test/web.tf:14, pkg/cli/testdata/run-test/web.tf:23, pkg/http-server/testdata/testconfig.tf:50...

• SOC2 TSC Criteria: CC6.6, CC6.7

3. Recommendation 3 (Priority: Medium)

SOC2 Security - Store sensitive information in environment variables or a secure vault

Implementation Steps:

• Review and remove hard-coded credentials and secrets

• Implement proper secret management

• Update security configurations to follow least privilege principle

• Focus on files: pkg/downloader/module-download_test.go:571, pkg/http-server/file-scan.go:107, pkg/http-server/file-scan_test.go:395...

• SOC2 TSC Criteria: CC6.1, CC6.6, CC6.7

4. Recommendation 4 (Priority: Medium)

SOC2 Security - Follow the principle of least privilege by limiting permissions

Implementation Steps:
• Review and remove hard-coded credentials and secrets
• Implement proper secret management
• Update security configurations to follow least privilege principle
• Focus on files: pkg/iac-providers/cft/v1/testdata/templates/s3/deploy.json:24, pkg/iac-providers/cft/v1/testdata/templates/s3/deploy.template:24, pkg/iac-providers/terraform/v12/testdata/tfjson/moduleconfigs.json:591...
• SOC2 TSC Criteria: CC6.1, CC6.3

5. Recommendation 5 (Priority: Medium)

SOC2 Confidentiality - Restrict S3 bucket access to only required principals

Implementation Steps:
• Enable encryption for data at rest and in transit
• Review and update access controls
• Focus on files: pkg/iac-providers/cft/v1/testdata/templates/s3/deploy.json:7, pkg/iac-providers/cft/v1/testdata/templates/s3/deploy.template:7, pkg/utils/skip_rules_test.go:123
• SOC2 TSC Criteria: C1.1

6. Recommendation 6 (Priority: Medium)

SOC2 Security - Avoid using hostPath as it allows access to host filesystem

Implementation Steps:
• Review and remove hard-coded credentials and secrets
• Implement proper secret management
• Update security configurations to follow least privilege principle
• Focus on files: pkg/iac-providers/kubernetes/v1/testdata/k8s_templates.go:164, pkg/iac-providers/kubernetes/v1/testdata/k8s_templates.go:167
• SOC2 TSC Criteria: CC6.1, CC6.8

7. Recommendation 7 (Priority: Medium)

SOC2 Security - Avoid using eval() as it can lead to code injection vulnerabilities

Implementation Steps:
• Review and remove hard-coded credentials and secrets
• Implement proper secret management
• Update security configurations to follow least privilege principle
• Focus on files: pkg/iac-providers/terraform/commons/cty-converters_test.go:287
• SOC2 TSC Criteria: CC5.1, CC6.8, CC7.2

8. Recommendation 8 (Priority: Medium)

SOC2 Security - Avoid using exec() as it can lead to command injection vulnerabilities

Implementation Steps:
• Review and remove hard-coded credentials and secrets
• Implement proper secret management
• Update security configurations to follow least privilege principle
• Focus on files: pkg/k8s/dblogs/webhook-scan-logger.go:72, pkg/k8s/dblogs/webhook-scan-logger.go:206
• SOC2 TSC Criteria: CC6.1, CC6.8, CC7.2

9. Recommendation 9 (Priority: Medium)

SOC2 Security - Use secrets manager instead of hard-coded passwords

Implementation Steps:
• Review and remove hard-coded credentials and secrets
• Implement proper secret management
• Update security configurations to follow least privilege principle
• Focus on files: pkg/vulnerability/acr.go:37, pkg/vulnerability/acr.go:208, pkg/vulnerability/gcr.go:251...
• SOC2 TSC Criteria: CC6.1, CC6.7

10. Recommendation 10 (Priority: Medium)

SOC2 Confidentiality - Enable encryption for data protection

Implementation Steps:
• Enable encryption for data at rest and in transit
• Review and update access controls
• Focus on files: test/e2e/test_data/iac/aws/aws_db_instance_violation/main.tf:89, test/e2e/test_data/iac/resource_skipping/terraform/main.tf:92
• SOC2 TSC Criteria: C1.1

11. Recommendation 11 (Priority: Medium)

SOC2 Security - Run containers as non-root users

Implementation Steps:

• Update security configurations to follow best practices

• Implement proper access controls

• Focus on files: deploy/helm/templates/deployments.yaml:32

• SOC2 TSC Criteria: CC1.1, CC1.2, CC1.3, CC1.4, CC2.1, CC2.2, CC2.3, CC3.1, CC3.2, CC3.3, CC3.4, CC4.1, CC4.2, CC5.1, CC5.2, CC5.3, CC6.1, CC6.2, CC6.3, CC6.4, CC6.5, CC6.6, CC6.7, CC6.8, CC7.1, CC7.2, CC7.3, CC7.4, CC7.5, CC8.1, CC9.1, CC9.2

12. Recommendation 12 (Priority: Medium)

SOC2 Security - Specify provider version constraints for better stability and security

Implementation Steps:

• Update security configurations to follow best practices

• Implement proper access controls

• Focus on files: pkg/cli/testdata/run-test/main.tf:2, pkg/http-server/testdata/testconfig.tf:1, pkg/iac-providers/terraform/v12/testdata/deep-modules/template.tf:5...

• SOC2 TSC Criteria: CC1.1, CC1.2, CC1.3, CC1.4, CC2.1, CC2.2, CC2.3, CC3.1, CC3.2, CC3.3, CC3.4, CC4.1, CC4.2, CC5.1, CC5.2, CC5.3, CC6.1, CC6.2, CC6.3, CC6.4, CC6.5, CC6.6, CC6.7, CC6.8, CC7.1, CC7.2, CC7.3, CC7.4, CC7.5, CC8.1, CC9.1, CC9.2

13. Recommendation 13 (Priority: Medium)

SOC2 Availability - Enable backup for data protection and availability

Implementation Steps:

• Enable backup and disaster recovery features

• Implement proper redundancy and failover mechanisms

• Focus on files: test/e2e/test_data/iac/aws/aws_db_instance_violation/main.tf:32, test/e2e/test_data/iac/aws/aws_db_instance_violation/main.tf:46, test/e2e/test_data/iac/aws/aws_db_instance_violation/main.tf:106...

• SOC2 TSC Criteria: A1.2, A1.3

SOC2 Trust Services Criteria (TSC) Explanation

SOC2 Trust Services Criteria refer to the specific control points used to assess compliance: • CC: Common Criteria (security) • A: Availability • PI: Processing Integrity • C: Confidentiality • P: Privacy Each finding in this report references specific TSC criteria to help understand how it impacts compliance posture.

Recommendations & Next Steps

• Implement a formal process for assigning and managing access rights in accordance with the principle of least privilege.

• Develop a comprehensive risk management process that includes automated scanning strategies for Infrastructure-as-Code.

• Conduct periodic reviews of security configurations and apply best practices across all SOC2 Trust Services Criteria.

• Document and verify all control measures relevant to the TSC criteria noted in the findings.

• Implement automated compliance checks in CI/CD pipelines to detect deviations early in the development cycle.

High-Risk Item Recommendations

• Prioritize immediate remediation of high-risk findings related to CC security-critical components.

• Implement strict access controls for sensitive infrastructure components applying the principle of least privilege.

• Conduct detailed risk assessment for all Common Criteria-related findings.

• Document and test incident response processes for all high-risk vulnerabilities.

• Install an automated validation process that checks IaC changes before they are applied to production environments.

Scan Metadata

Scan ID	5a13ee72-510f-4f53-9aa4-f79f944118f2
Scan Type	soc2
Region	Global
Timestamp	2025-05-03 14:27:00
Repository Provider	GitHub
Repository URL	Not available
Repository Path	Not available
Branch	master
Username	vishaal
Files Scanned	2202
CC Findings	0
A Findings	0
PI Findings	0
C Findings	0
P Findings	0