SLIIT
Discover Your Future

BSc (Hons) in Information Technology
Year 3

SonarQube Reports

IT3040 – IT Project Management **Semester 1, 2019**

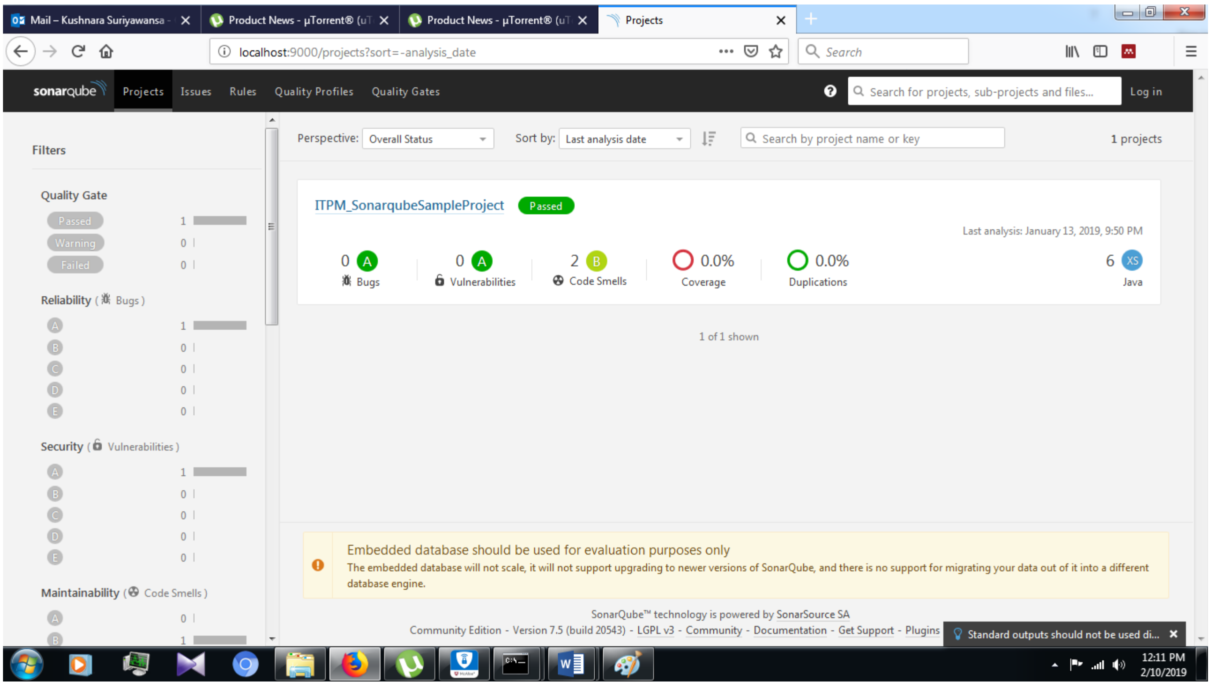
- Generate SonarQube reports for the integrated project at the end of each sprint.

- Include following screenshots of the project in sprint reports.

Note: Following values are expected to be maintained in your project.

- ***For Code Smells and Bugs, zero false-positives are expected.***
- ***For Vulnerabilities, the target is to have more than 80% of the issues to be true-positives.***

1. Overview status of projects analyzed.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Projects
Search
sonarqube
Projects
Issues
Rules
Quality Profiles
Quality Gates
Search for projects, sub-projects and files...
Log in
Search by project name or key

localhost:9000/projects?sort=-analysis_date

Filters

Quality Gate

Passed	1
Warning	0
Failed	0

Reliability (Bugs)

A	1
B	0
C	0
D	0
E	0

Security (Vulnerabilities)

A	1
B	0
C	0
D	0
E	0

Maintainability (Code Smells)

A	0
B	1

Perspective: Overall Status Sort by: Last analysis date

1 projects

ITPM_SonarqubeSampleProject Passed

Last analysis: January 13, 2019, 9:50 PM

0 A	0 A	2 B	0.0%	0.0%	6 XS
Bugs	Vulnerabilities	Code Smells	Coverage	Duplications	Java

1 of 1 shown

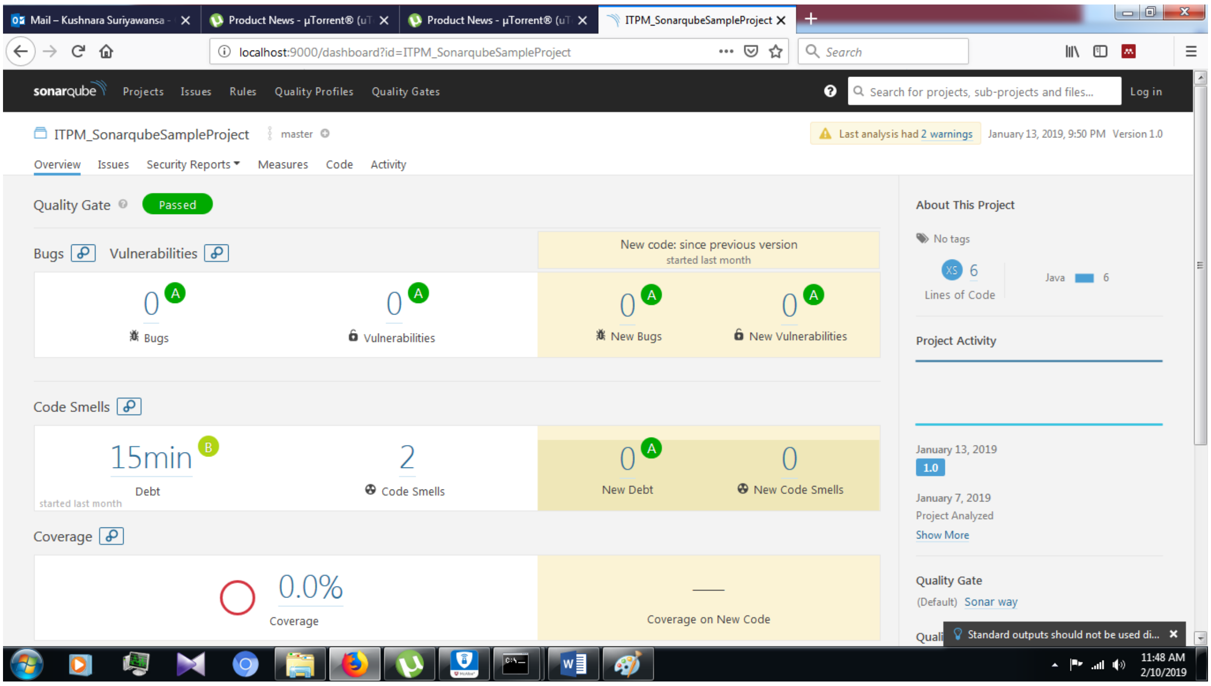
Embedded database should be used for evaluation purposes only
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA
Community Edition - Version 7.5 (build 20543) - LGPL v3 - Community - Documentation - Get Support - Plugins

Standard outputs should not be used di...

12:11 PM
2/10/2019

2. Project Overview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ITPM_SonarqubeSampleProject
Search
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Quality Profiles
Quality Gates
Search for projects, sub-projects and files...
Log in
Overview
Issues
Security Reports
Measures
Code
Activity
Passed
Show More
11:48 AM
2/10/2019

localhost:9000/dashboard?id=ITPM_SonarqubeSampleProject

ITPM_SonarqubeSampleProject master

Last analysis had 2 warnings January 13, 2019, 9:50 PM Version 1.0

Quality Gate Passed

Bugs Vulnerabilities

New code: since previous version
started last month

0 A	0 A	0 A	0 A
Bugs	Vulnerabilities	New Bugs	New Vulnerabilities

Code Smells

15min B	2	0 A	0
Debt	Code Smells	New Debt	New Code Smells

started last month

Coverage

0.0% Coverage

— Coverage on New Code

About This Project

No tags

XS 6 Lines of Code

Java 6

Project Activity

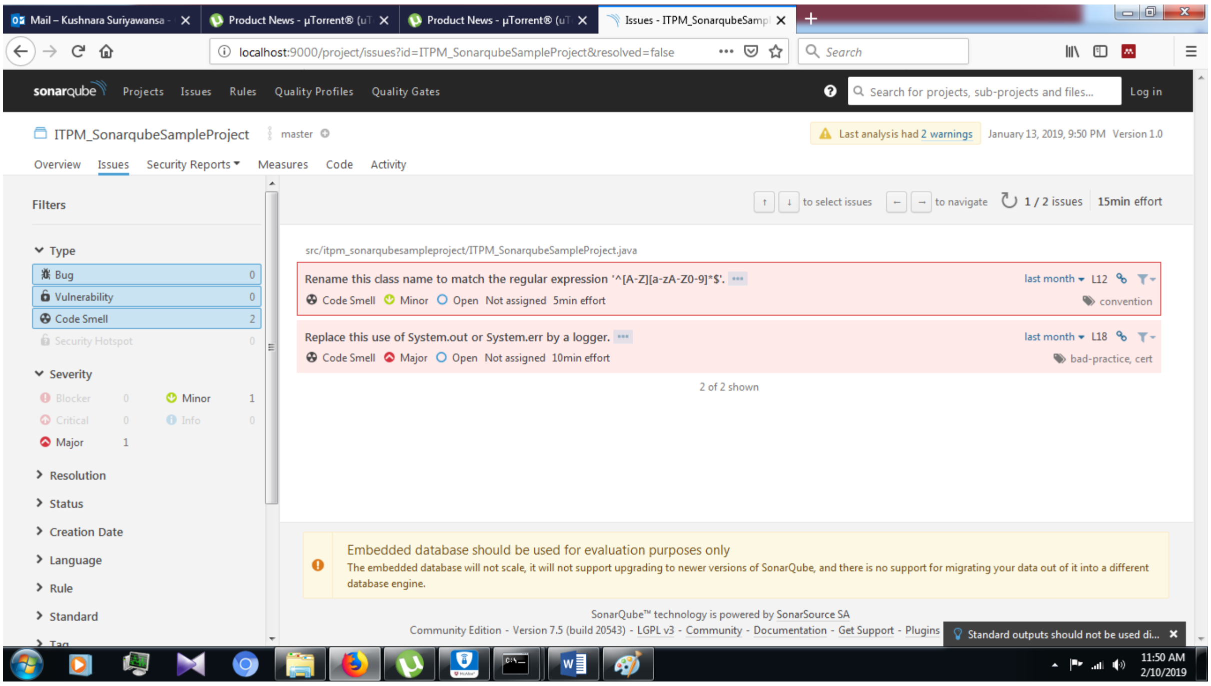
January 13, 2019
1.0

January 7, 2019
Project Analyzed

Quality Gate
(Default) Sonar way

Standard outputs should not be used di...

3. Project Issues



localhost:9000/project/issues?id=ITPM_SonarqubeSampleProject&resolved=false

ITPM_SonarqubeSampleProject master

Last analysis had 2 warnings January 13, 2019, 9:50 PM Version 1.0

↑ ↓ to select issues ← → to navigate 1 / 2 issues 15min effort

Type

Bug	0
Vulnerability	0
Code Smell	2
Security Hotspot	0

Severity

Blocker	0	Minor	1
Critical	0	Info	0
Major	1		

src/itpm_sonarqubesampleproject/ITPM_SonarqubeSampleProject.java

Rename this class name to match the regular expression '^[A-Z][a-zA-Z0-9]*$'. last month L12
Code Smell Minor Open Not assigned 5min effort convention

Replace this use of System.out or System.err by a logger. last month L18
Code Smell Major Open Not assigned 10min effort bad-practice, cert

2 of 2 shown

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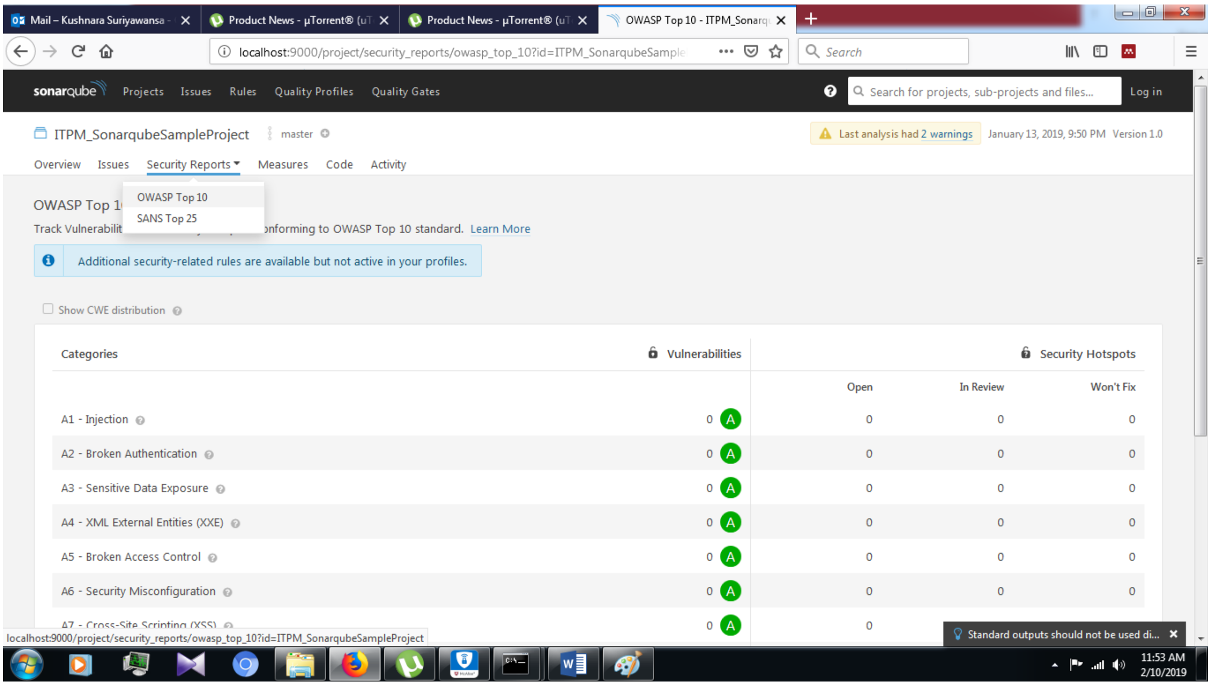
4. OWASP Top 10 Security Report



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Log in
Overview
Issues
Security Reports
Measures
Code
Activity
OWASP Top 10
SANS Top 25

localhost:9000/project/security_reports/owasp_top_10?id=ITPM_SonarqubeSample

ITPM_SonarqubeSampleProject master

Last analysis had 2 warnings January 13, 2019, 9:50 PM Version 1.0

OWASP Top 1

Track Vulnerabilit nforming to OWASP Top 10 standard. Learn More

Additional security-related rules are available but not active in your profiles.

□ Show CWE distribution

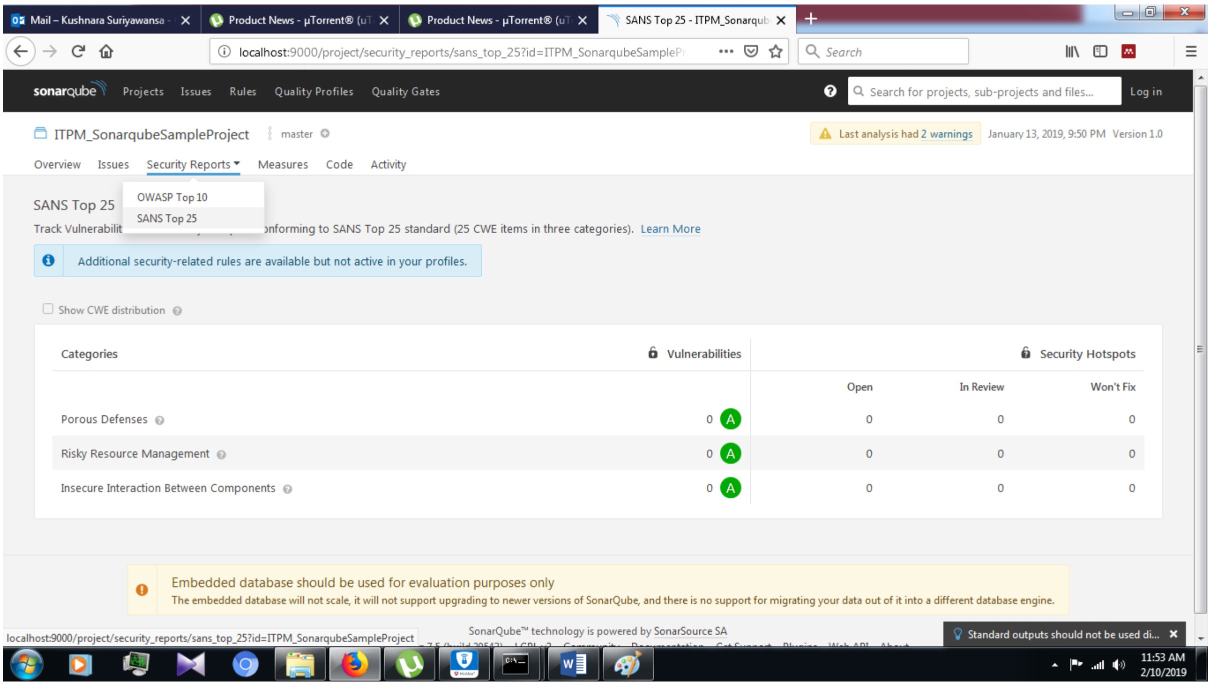
Categories	Vulnerabilities		Security Hotspots		
			Open	In Review	Won't Fix
A1 - Injection	0	A	0	0	0
A2 - Broken Authentication	0	A	0	0	0
A3 - Sensitive Data Exposure	0	A	0	0	0
A4 - XML External Entities (XXE)	0	A	0	0	0
A5 - Broken Access Control	0	A	0	0	0
A6 - Security Misconfiguration	0	A	0	0	0
A7 - Cross-Site Scripting (XSS)	0	A	0		

localhost:9000/project/security_reports/owasp_top_10?id=ITPM_SonarqubeSampleProject

Standard outputs should not be used di...

11:53 AM
2/10/2019

5. SANS Top 25 Security Report



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Log in
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Issues
Security Reports
Measures
Code
Activity
OWASP Top 10
SANS Top 25

localhost:9000/project/security_reports/sans_top_25?id=ITPM_SonarqubeSampleP

ITPM_SonarqubeSampleProject master

Last analysis had 2 warnings January 13, 2019, 9:50 PM Version 1.0

SANS Top 25

Track Vulnerabilit nforming to SANS Top 25 standard (25 CWE items in three categories). Learn More

Additional security-related rules are available but not active in your profiles.

□ Show CWE distribution

Categories	Vulnerabilities		Security Hotspots		
			Open	In Review	Won't Fix
Porous Defenses	0	A	0	0	0
Risky Resource Management	0	A	0	0	0
Insecure Interaction Between Components	0	A	0	0	0

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localhost:9000/project/security_reports/sans_top_25?id=ITPM_SonarqubeSampleProject

Standard outputs should not be used di...

11:53 AM
2/10/2019