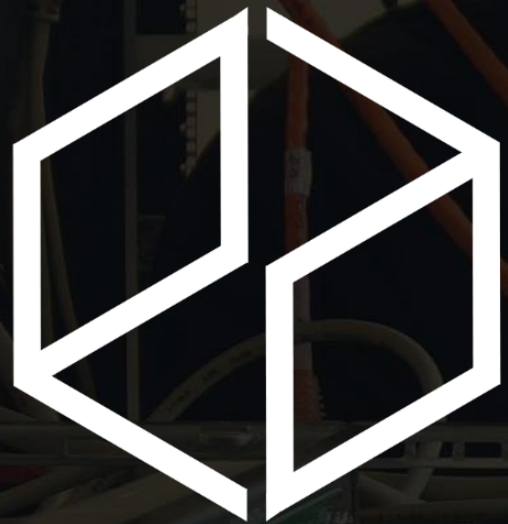


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OWASP TOP 10: #5 Security Misconfiguration

By **@isaacsabas**



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Providing businesses with on-demand IT security controls for them to meet their 24x7 security strategies & requirements.

We Make IT Secure



OWASP

Open Web Application
Security Project



OWASP #5

Security Misconfiguration

OWASP Top 10 Vulnerabilities

Improper server or web application **configuration** that can lead to various **abuse**.

Security Misconfiguration

What is it?

How is this vulnerability exploited?

- Debugging feature enabled
- Incorrect directory permissions
- Using default accounts or passwords
- Publicly available setup/configuration pages
- Remote administration ports and services are publicly available

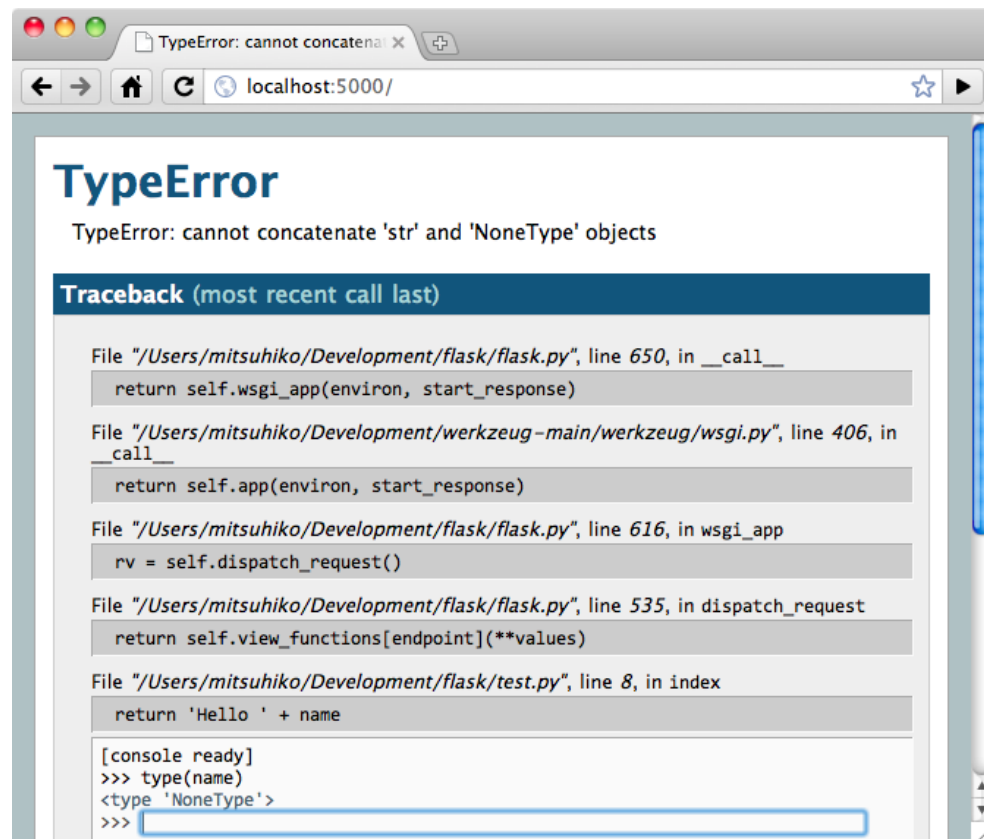
What are the Risks When Exploited?

- Data leakage or theft
- Data manipulation
- Negative impact on reputation and income

How do I Prevent Such Vulnerability?

- Apply the concept of least privilege – **Everything off by default!**
- Ensure that the web server is configured according to the secure configuration guidelines
 1. Disable administration interfaces to public
 2. Disable debugging
 3. Disable use of default passwords/accounts
 4. Configure server to prevent unauthorized access and directory listing
 5. Only allow FTP and SSH ports to be access from management IP via firewall

Sample



TIME FOR Q&A

OWASP Top 10 – Security Misconfiguration

Go download **WebGoat**

<https://github.com/WebGoat/WebGoat-Legacy>

TRY IT YOURSELF

Some homework for you to learn a bit more.

WebGoat Installation How-To

1. Download Java VM, JDK 1.7
2. Download WebGoat:
<https://webgoat.atlassian.net/builds/browse/WEB-WGM/latestSuccessful/artifact/shared/WebGoat-Embedded-Tomcat/WebGoat-6.0.1-war-exec.jar>
3. Run the .jar file:
 1. `java -jar WebGoat-6.0-exec-war.jar`
4. Then navigate in your browser to: (<http://localhost:8080/WebGoat>)
5. Login using guest account
6. Go to Insecure Configuration and complete the exercise

OWASP #5

Security Misconfiguration

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