



# GALIX API TESTING

Elevate your API testing strategy with our focused and concise API Testing. Designed to optimize your continuous development process, this compact resource outlines key benefits, objectives, and focus areas to ensure comprehensive testing coverage and robust API performance.

## OBJECTIVES

- **Functional Testing:** Ensure that the API functions and behaves according to its specifications and documentation.
- **Reliability and Stability:** Assess the robustness of the API by stress testing, load testing, and performance testing.
- **Security Testing:** Verify that the API is secure against common security vulnerabilities (OWASP Top 10).
- **Documentation Verification:** Verify that the API documentation accurately reflects the API's intended functionality.
- **Asset Management:** Ensure that changes to the API, such as updates or bug fixes, do not introduce new defects.
- **Scalability Testing:** Determine the scalability of the API by assessing its ability to handle increasing loads and concurrent users.
- **Assess Authentication and Authorisation Mechanisms:** Verifying the effectiveness of user access control methods through testing for misconfigured permissions and password policies.

## BENEFITS

### **Discovery**

Closely managing your organisation's API inventory allows for better identification of rogue or shadow APIs and assists in maintaining accurate documentation.

### **Security Assurance**

Regular API testing proactively identifies and addresses security vulnerabilities before they are exploited.

### **Risk Mitigation**

Prevent organisational harm and reduce risk associated with security incidents and data breaches.

### **Efficiencies**

Detecting and fixing bugs early in the development process can significantly reduce the cost of software development.

### **Governance**

Achieving alignment associated with known IT and data security standards EG. ISO27001, NIST and PCI DSS.



For further information please reach out to the Galix Sales Team:

Bianca Davis

Email: [mss\\_sales@galix.com](mailto:mss_sales@galix.com)

Telephone: +27 11 472 7157