QUALYSEC
BEYOND CYBERSECURITY

Case Study

Web application penetration testing

Fintech

INDUSTRY

Challenges and Objectives

Challenges

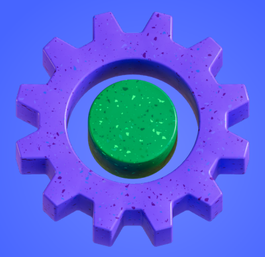
- The application goes through penetration testing before. This is the 2nd time.
- The application is in the production environment so the Qualysec team has to perform tests in such a way that it will not affect the application functionality.
- Detect and give recommendations on fixing security issues
- Ensuring the security of sensitive financial data during testing

Objectives

- The client wants to ensure their financial application is hackproof.
- Test the application in both black box and white box methods.
- Provide recommendations for improving the application's security posture and reducing the risk of future attacks.

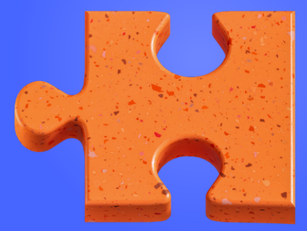
Project Overview

Target



Web Application

Technology



React js, Graphql, API, JWT

Team

3 Certified Pentester

Methodology

Full fill PCI DSS requirement

METHODOLOGIES USED FOR PENETRATION TESTING

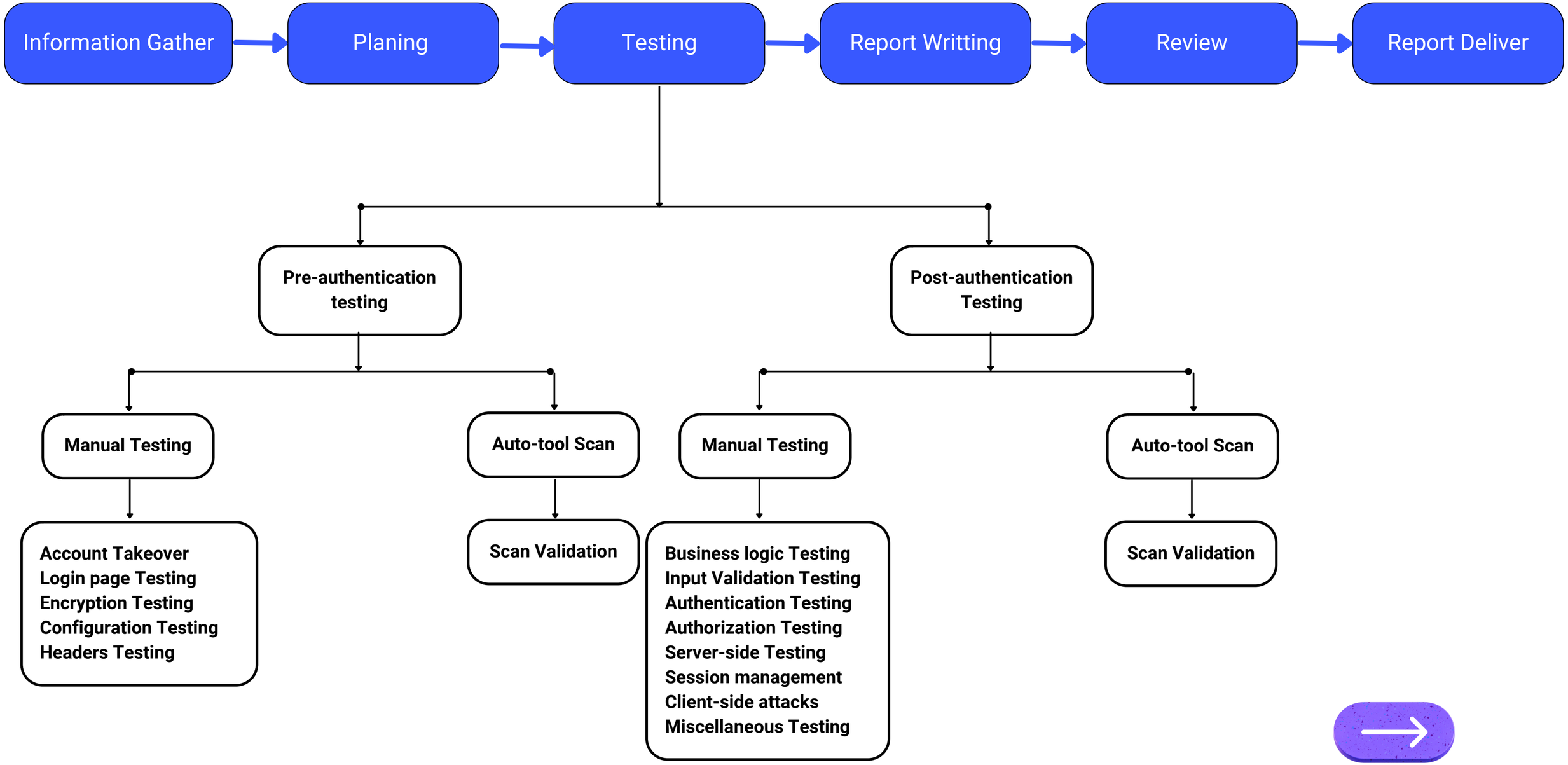
Penetration Testing Execution Standard

Open-source Security Testing Methodology Manual

OWSAP Testing Guide

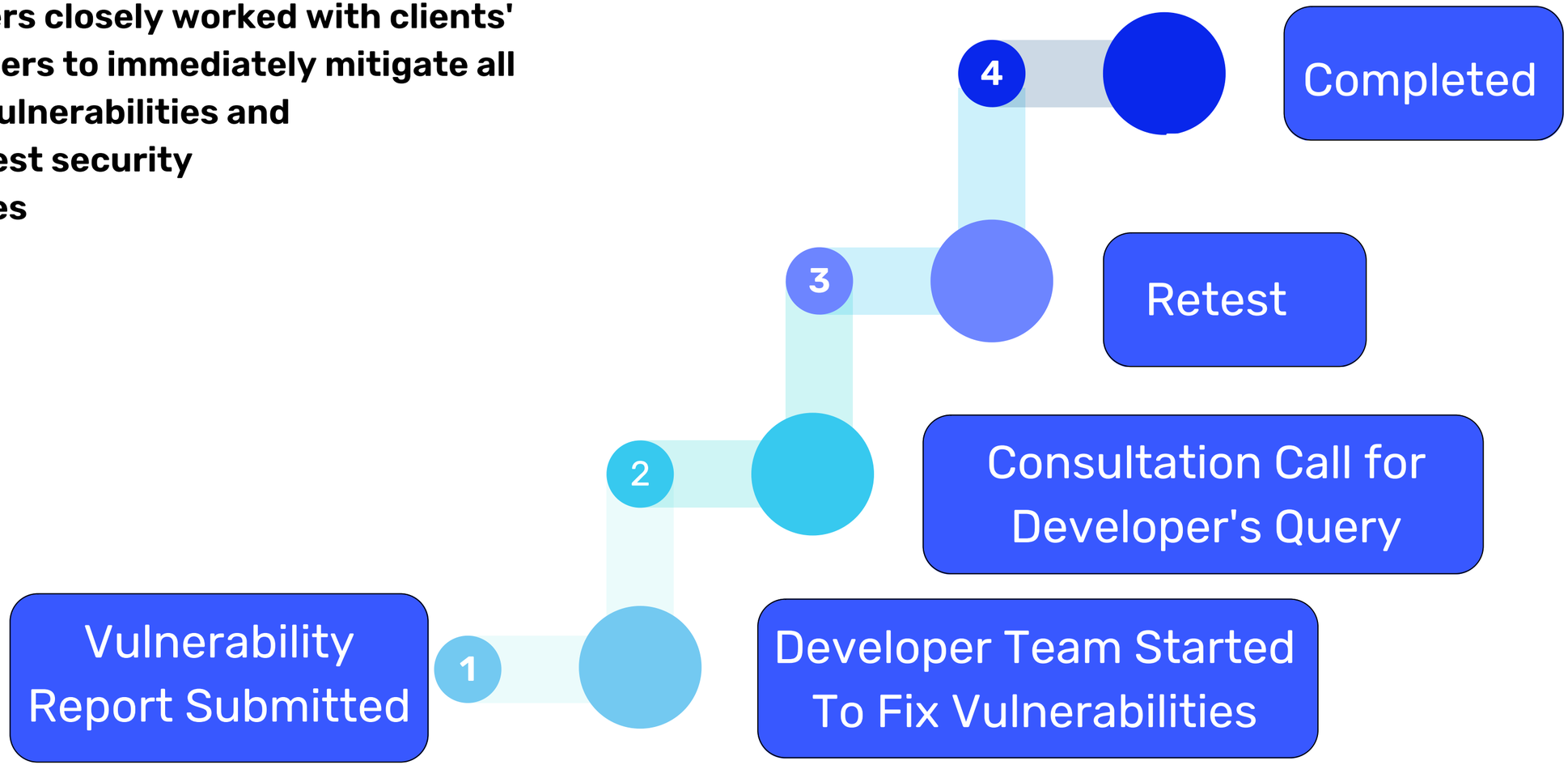
SANS 25 security Threats

PENETRATION TESTING PROCESS



RECOMMENDATION PHASE

At this phase, Qualysec security engineers closely worked with clients' developers to immediately mitigate all found vulnerabilities and apply best security practices



Roadmap

Tasks	Week1	Week2	Weak3	Week4	Week5	Week6
Application Profiling and Planning	Planning					
Autoscan Testing	Auto scan					
Manual Testing	Manual Testing					
Report Writing		Reporting				
Internal Review & Final report submit		Review				
Retest					Retest	
Letter of Attestation and Certificate						Complete

PROJECT RESULTS

Before

- Excellent
- Good
- Fair
- **Unsatisfactory**
- Inadequate

Qualysec has delivered a comprehensive report covering all found vulnerabilities and providing recommendations on the best ways of mitigation

In the end, our client was able to meet the highest level of compliance and regulation standards, develop better security practices and get a Qualysec verified certificate assuring the board of directors in a good security posture.

After

- **Excellent**
- Good
- Fair
- Unsatisfactory
- Inadequate

Client Testimonial

"As a fintech company, security is of the utmost importance to us. Qualysec's penetration testing services gave us the confidence that our applicationwere secure and compliant. Their team was professional and efficient throughout the process"

VP Technology

QUALYSEC
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Get In Touch

Let's make your application secure.

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