



Payatu Casestudy

# Security Assessment of an International Event's Android Application

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Not too long ago, Payatu received a request from one of the leading digital transformation businesses to conduct a mobile application assessment on an app that was meant to be utilized by a large group of people from across the world.

The application was of a distinguished grand event that lasts for 6 months and has a whopping 192 nations participating learn about the unique architecture, culture, and innovation.

The objective of the assessment was to identify and exploit vulnerabilities detected by simulating real-world threat adversaries, and to determine the security posture of the technological environment in scope.

Where risks or vulnerabilities were identified, as part of the security testing process, risk mitigation measures were offered to reduce or eliminate the identified weaknesses and improve the overall security posture of the targeted technological environment.

## What was Expected Out of This Project?

- 1 The assessment conducted was a comprehensive analysis of the mobile application
- 2 Android mobile application testing
- 3 Black-box testing
- 4 Test the guest functionality
- 5 Create reports as per the given format

## Details

**CUSTOMER :** A Digital Transformation Organization

**INDUSTRY :** Digital Transformation, Security & Protection

**LOCATION :** UAE

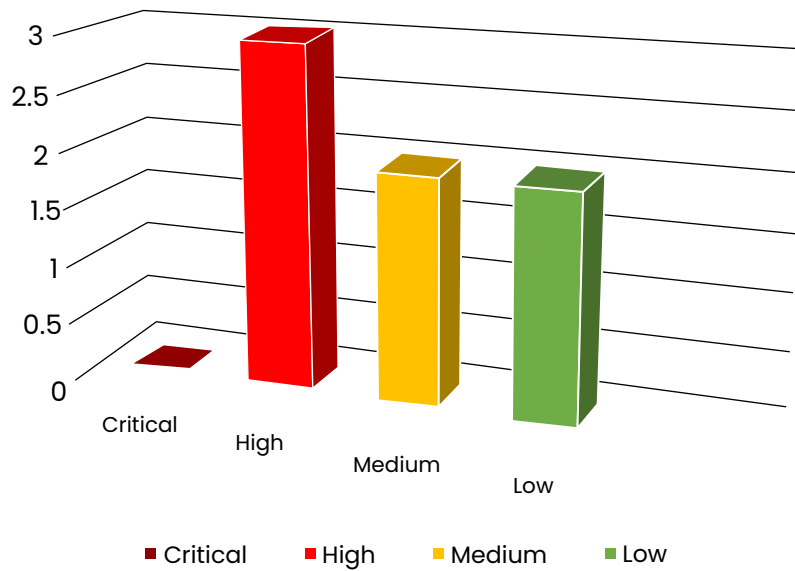
**Presence :** Abu Dhabi, Dubai, Finland, India

## Business Impact

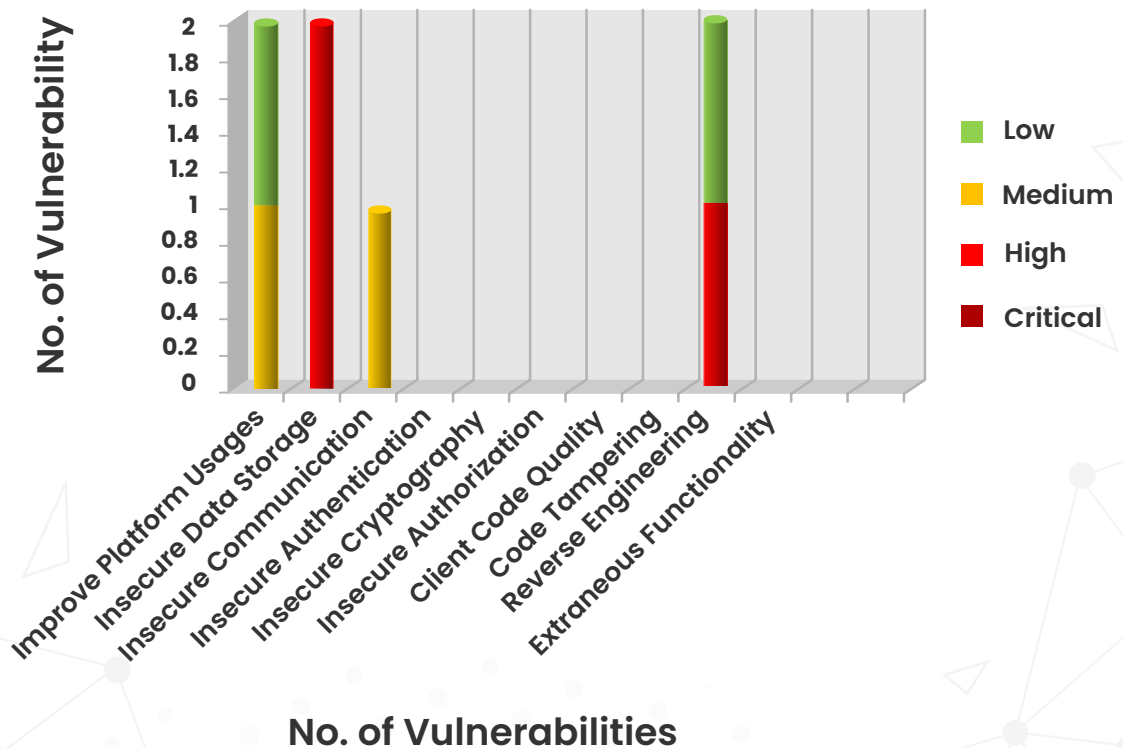
- Anomalies in the app could lead to a major data leak
- Loss of goodwill
- High cost of reputation damage
- Access to DB structure
- Misconfigured server configuration
- Authentication-related issues

## What Were the Findings of the Project?

### Vulnerabilities by Severity

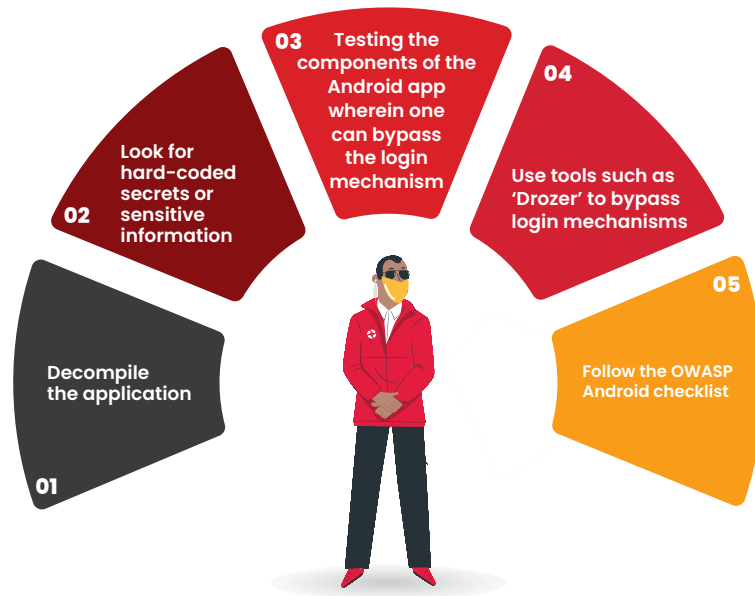


### Vulnerability Mapped with Owasp Mobile Top 10

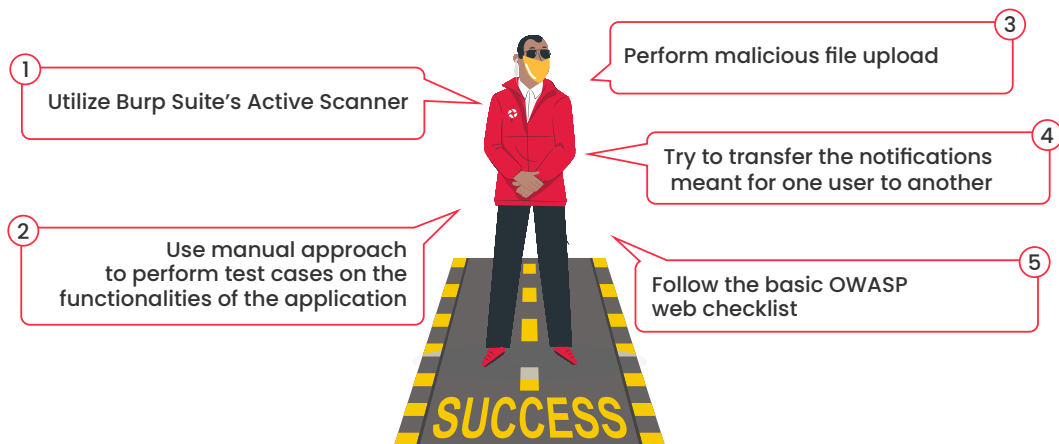


# Step by Step Process of Assessment

## 1. Static Testing



## 2. Dynamic Testing



## 3. Create the report



## Expert Payatu Bandit's Recommendations

- 1 Harden the Database
- 2 Configure the server and authentication flow with all security measures
- 3 Use the latest stable third-party module

# About Payatu

Payatu is a Research-powered cybersecurity services and training company specialized in IoT, Embedded Web, Mobile, Cloud, & Infrastructure security assessments with a proven track record of securing software, hardware and infrastructure for customers across 20+ countries.

Our deep technical security training and state-of-the-art research methodologies and tools ensure the security of our client's assets.

At Payatu, we believe in following one's passion, and with that thought, we have created a world-class team of researchers and executors who are willing to go above and beyond to provide best-in-class security services. We are a passionate bunch of folks working on the latest and cutting-edge security technology.



## [Web Security Testing](#)

Internet attackers are everywhere. Sometimes they are evident. Many times, they are undetectable. Their motive is to attack web applications every day, stealing personal information and user data. With Payatu, you can spot complex vulnerabilities that are easy to miss and guard your website and user's data against cyberattacks.



## [Product Security](#)

Save time while still delivering a secure end-product with Payatu. Make sure that each component maintains a uniform level of security so that all the components "fit" together in your mega-product.

Want to know more about the distinct premium services security services offered by Payatu? Tell us about your specific requirements [here](#), and we will get back to you with a customized sample report.