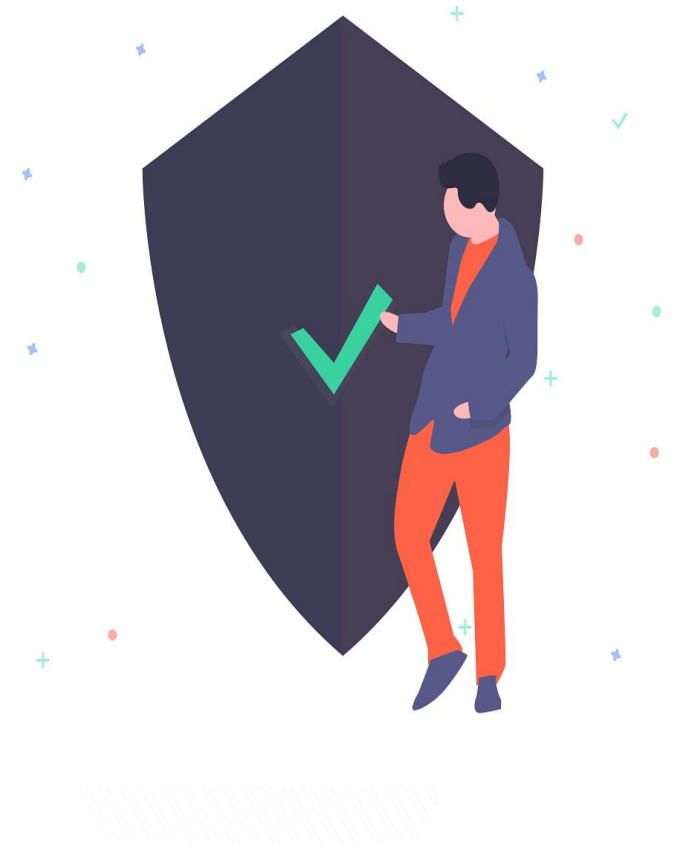


How to Perform Penetration Testing

Webinar

9th October, 2019



About the Speaker



Subho Halder

CTO & Co-Founder, Appknox

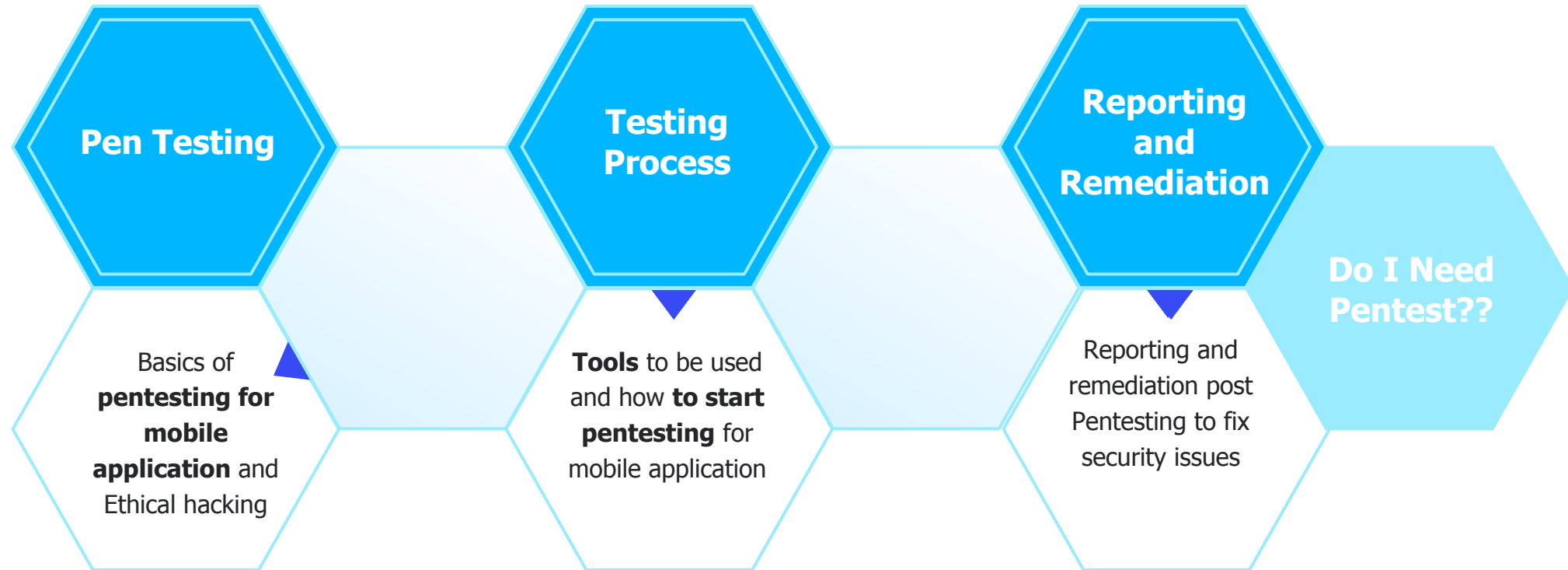
Founder of AFE



Harshit Agarwal

CEO & Co-Founder, Appknox

Agenda



Basics of Pen Testing

Vulnerability Assessment

A vulnerability assessment is the process of defining, identifying, classifying and prioritizing vulnerabilities in applications.

Vulnerability assessments involve in-depth evaluation of a security posture and recommends appropriate remediation to remove security risks.
It is list oriented approach

Ethical Hacking

Term used to define ethical hacker who detects security issues without aiming to damage the infrastructure.

Ethical hacking is goal based approach where agenda is to simulating a real-life attack, more like a real hacker approach to uncover security loopholes.



Aim of both exercise



Aim of both the exercise is to make applications secure at all layers. Vulnerability assessment takes care of breadth and Ethical hacking of depth to ensure 360 Degree security

Tools we will use for Pentesting

- apktool
- JADx
- iDB
- Burpsuite
- Drozer
- GHIDRA
- Xposed
- Frida
- dnSPY
- iLSPY
- Chrome Debugger



Remediation



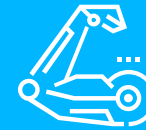
Reporting

Reporting is important step as it helps developers fix issues. One should include CVSS 3.0 or any other globally followed reporting standard scoring to rate criticality of any issues



Proof of Concepts

Proof of concepts help give more clarity of each issue. It also builds confidence of developers by giving clarity on where the issue is exactly, can be reference code or screenshot



Re-scan to confirm security fix

No security testing is complete until it has been verified that issue is resolved. This step should also check for any new issue that might have popped up while remediating.

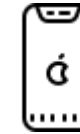
Do I Need Pentesting ??



Mobile App asks
Personally
identifiable
information(**PII**)



Regular ongoing
exercise to perform
Pentesting on mobile
apps



Threat landscape
getting complex as
mobile devices are
getting smarter



To discover new
bugs in updated
applications



VAPT Reports may
be required by
enterprises if you
work with them



Getting Alerts before
anyone can misuse
the app

Thank You!

