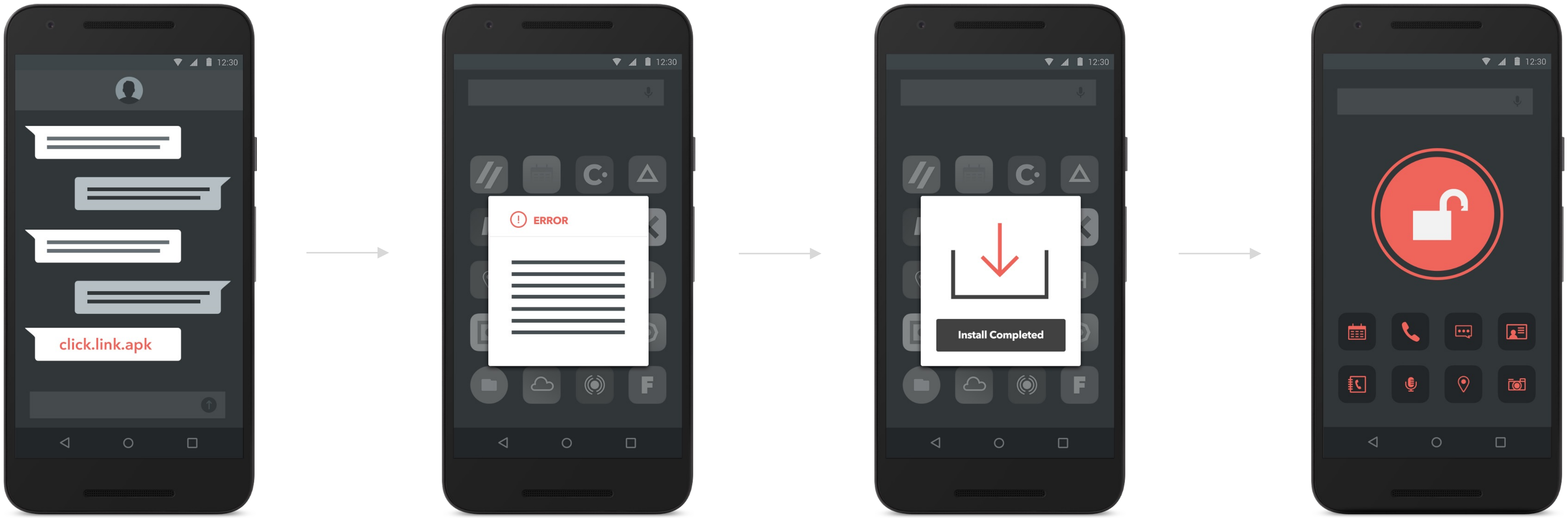
Lookout™

Access42 CyberSecurity Summit 2023

15. June 2023

Sascha Spangenberg

Mobile Kill Chain starts with a click



Social Engineer

- Email
- SMS / Text
- Social media

Gain Access

- Dropper installs, or
- Exploit, or
- Victim clicks thru for install

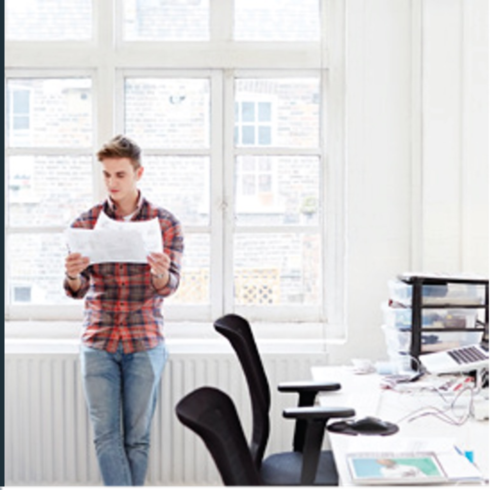
Elevate Privilege

- Install payload or
- Dropped apps, or
- Exploit vulns

Perform Espionage

Receive commands to:

- Send / exfiltrate private data, pictures, camera, audio



Lookout MPRA Mobile Phishing Risk Assessment

Get real mobile phishing statistics

What is MPRA ?

MPRA is a **M**obile **P**hishing **R**isk **A**ssessment platform used to demonstrate the need of protection against mobile phishing.

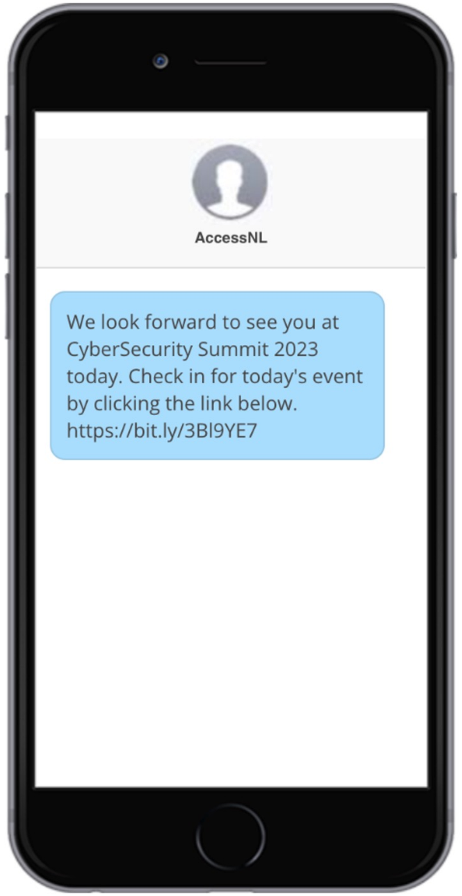
3 key business cases :

- **Before an event:** Send SMS messages to event attendees with an engaging scam content. Show analytics during the event reinforce a security-conscious mindset.
- **Mobile Phishing awareness:** Test customer/prospect employees by simulating mobile phishing via SMS. Evaluate their response and demonstrate the potential risks.
- **Demo purpose:** Send quick SMS during a demo using either your own phone number or your prospect's (always with their explicit consent).

MPRA can also be used with Lookout customers during cybersecurity-awareness campaign.

MPRA – Today's campaign statistics

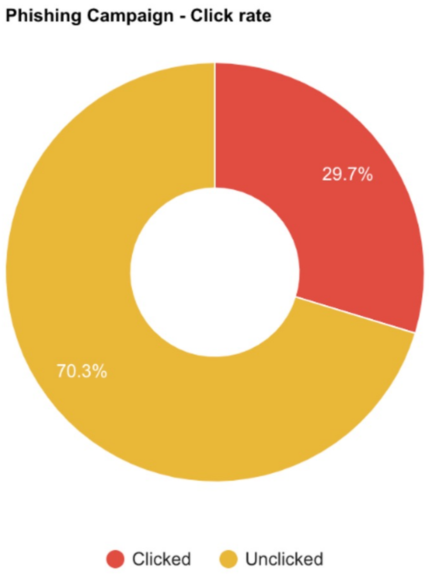
Message sent



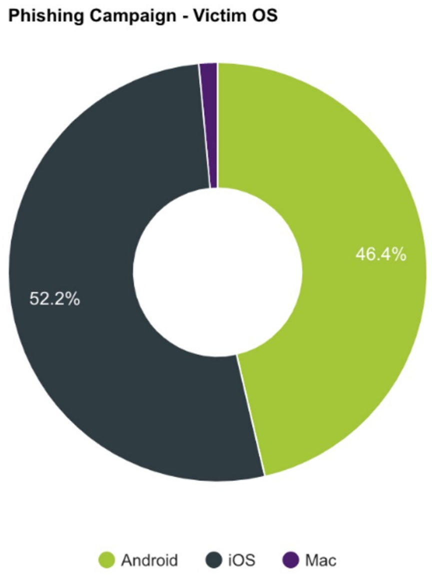
AccessNL

We look forward to see you at CyberSecurity Summit 2023 today. Check in for today's event by clicking the link below. https://bit.ly/3Bl9YE7

Statistics



Phishing Campaign - Click rate



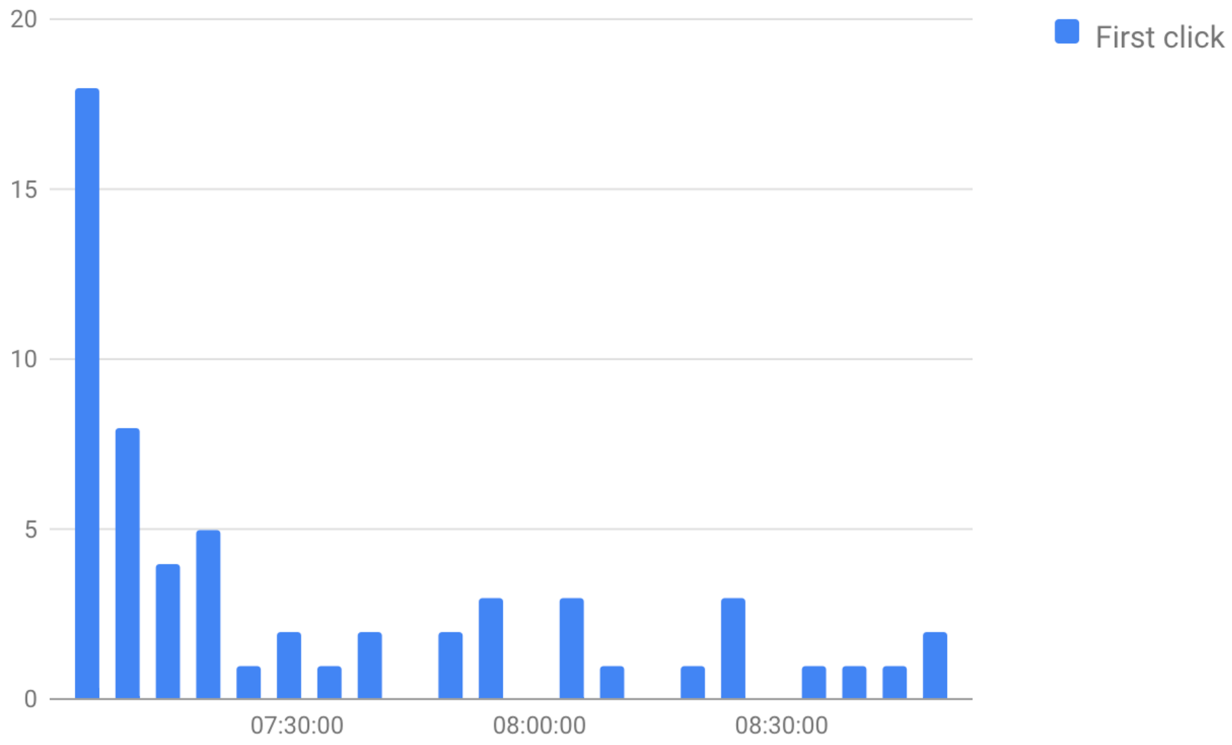
Phishing Campaign - Victim OS

Campaign metrics

Metric	Results
Number of SMS sent	245
Number of invalid or undelivered	6
Number of unique clicks	71 / 239
Click rate for this campaign	29.71 %
First click on	2023-06-15 06:01:01 (UTC +1)

Stats test

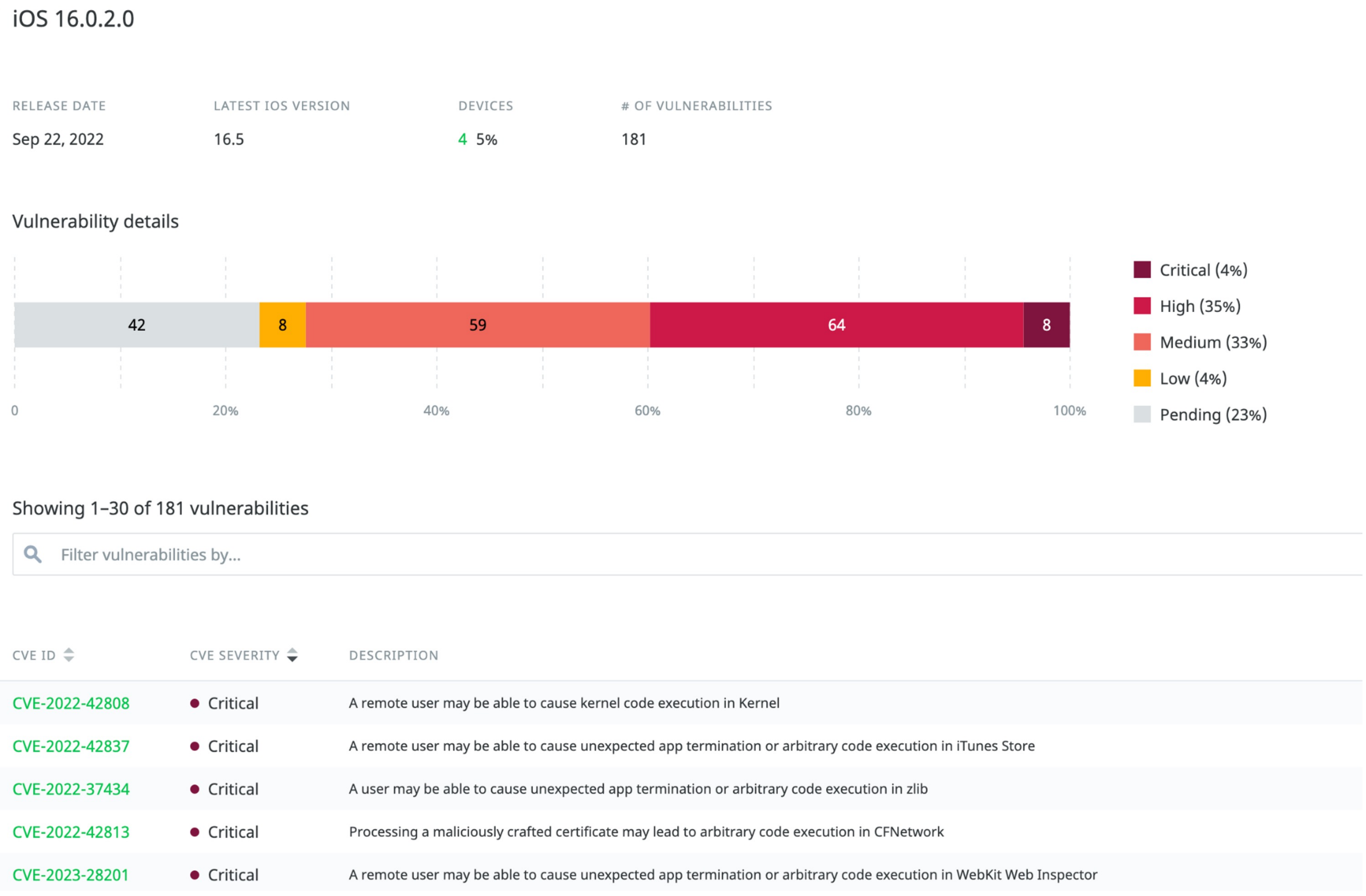
Number of clicks for the first 5 minutes interval



40% of all unique clicks (Devices) are running an outdated operating system that is vulnerable to remote exploits.

OS VERSIONS

Name	Version	Count
iOS	16.5	28
iOS	16.2	2
iOS	16.0.3	1
iOS	16.6	1
iOS	16.1	1
iOS	16.3.1	1
iOS	15.5	1
iOS	16.4.1	1
Android	13	12
Android	10	16
Android	12	4
macOS	Catalina 10.15	1
Unknown		1



iOS 16.0.2.0

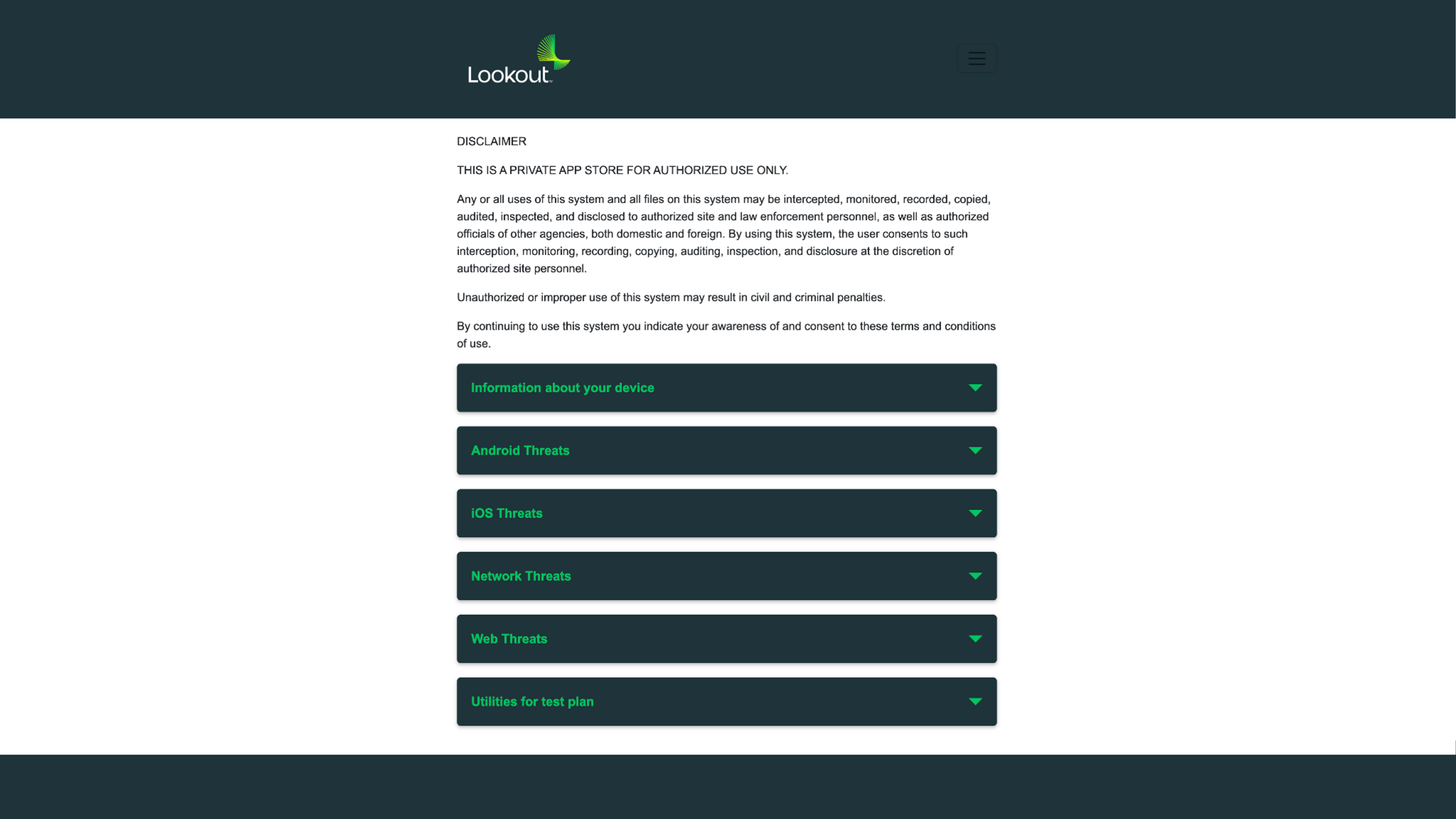
RELEASE DATE	LATEST IOS VERSION	DEVICES	# OF VULNERABILITIES
Sep 22, 2022	16.5	4 5%	181

Vulnerability details

Showing 1–30 of 181 vulnerabilities

Filter vulnerabilities by...

CVE ID	CVE SEVERITY	DESCRIPTION
CVE-2022-42808	● Critical	A remote user may be able to cause kernel code execution in Kernel
CVE-2022-42837	● Critical	A remote user may be able to cause unexpected app termination or arbitrary code execution in iTunes Store
CVE-2022-37434	● Critical	A user may be able to cause unexpected app termination or arbitrary code execution in zlib
CVE-2022-42813	● Critical	Processing a maliciously crafted certificate may lead to arbitrary code execution in CFNetwork
CVE-2023-28201	● Critical	A remote user may be able to cause unexpected app termination or arbitrary code execution in WebKit Web Inspector



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By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use.

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You want to schedule your Mobile Phishing Risk Assessment?

Contact Ruth Lutterloch, Director GSI Alliances EMEA

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