

# ANDROID HACKING

A large crowd of red Android robots fills the background. In the center, slightly above the middle, is a single green Android robot. A small blue horizontal line is positioned directly below the green robot.

By- Indranil Roy  
vo1d@duck.com

# #whoami

- Cybersecurity Student
- Certified Ethical Hacker
- Cybersecurity Blogger



indranil-roy-b08b3a1a5

# AGENDA

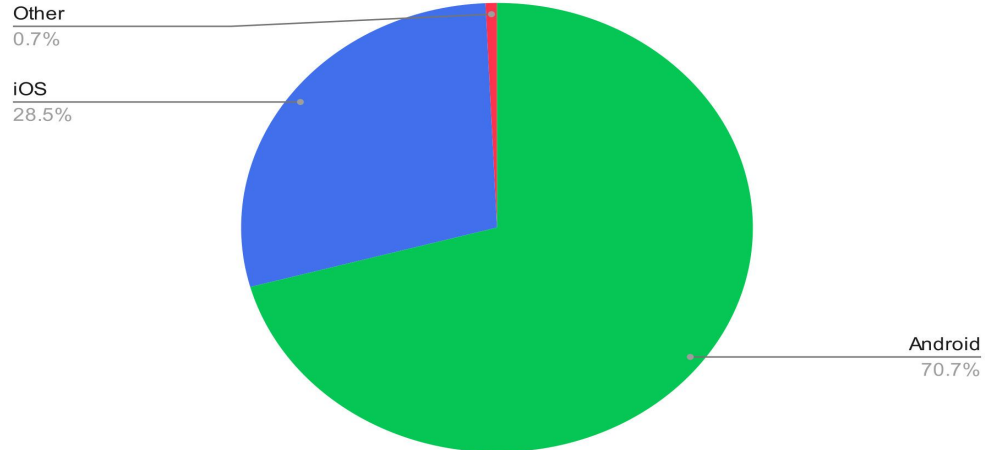
- What is android ?
- Why Android is commonly targeted?
- How can android be hacked ?
- How do you know if your phone is hacked ?
- Security check ..
- How to prevent android hacking .
- Demo



# WHAT IS ANDROID ?

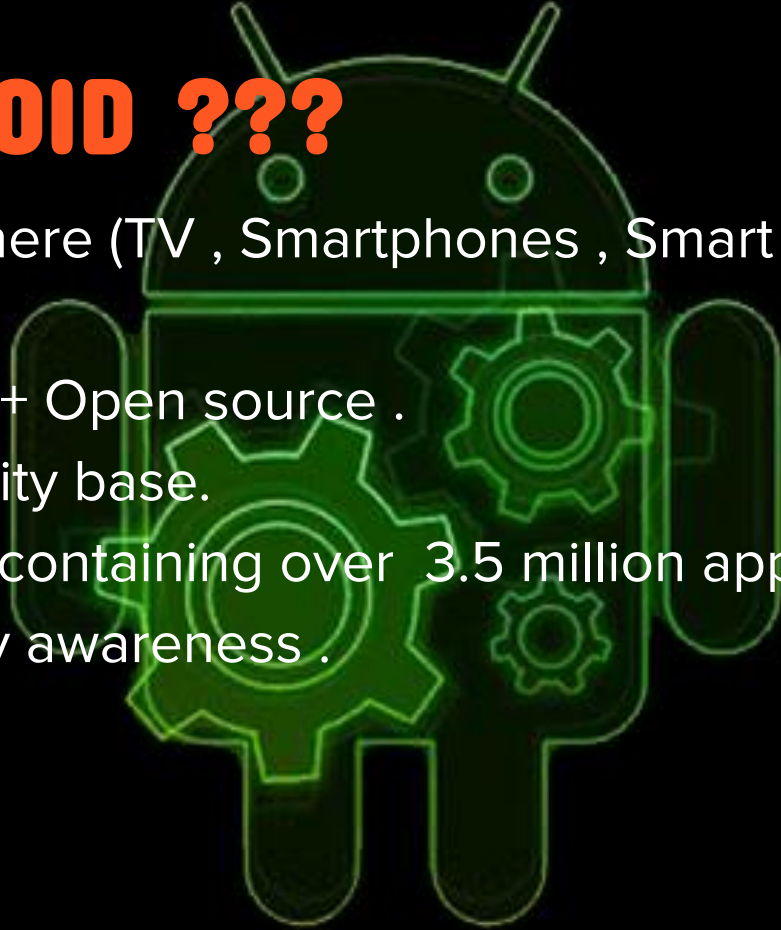
- A mobile operating system based on a modified version of the Linux kernel and other open source software, designed primarily for touchscreen mobile devices such as smartphones and tablets
- Developed by OHA (Open Handset Alliance ) and Google .
- Largest market share ,  
more than IOS and Symbian.

Global Mobile OS Market Share



# WHY ANDROID ???

- Found everywhere (TV , Smartphones , Smart watches , Tablets , etc) .
- Easy to exploit + Open source .
- Huge Community base.
- Official market containing over 3.5 million apps .
- Lack of security awareness .





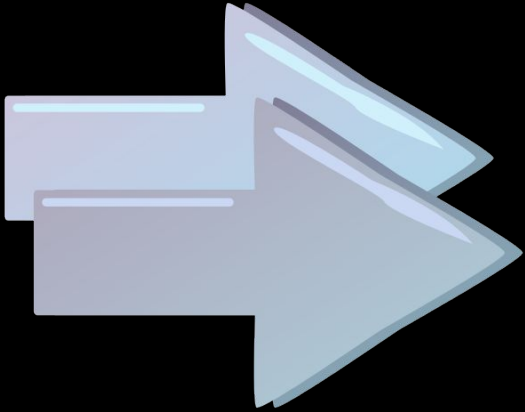
# HOW CAN AN ANDROID BE HACKED ??



The most common ways are :

- Accessing your phone via an unsecured Wi-Fi network .
- Tricking people with social engineering techniques, like getting personal information out of you after you click on links in phishing messages .
- Using tracking software .

**HOW DO YOU KNOW IF YOUR PHONE IS HACKED ?**



You receive unrecognized texts or calls





Lots of spam pop-ups appear

Ads by Google

Get This Pop-up Window

**CUSTOMER SERVICE**  
Experience & University Degree Required

**\$18.5K**  
+ 3K ALLOWANCE

**WIN \$10,000.00 CASH**

**CONGRATULATIONS!**  
You've been chosen to receive a FREE Gateway Desktop Computer!

**TRAVELZOO**

The Top 20 Travel Deals on the Web!

Specials *handpicked every week* from over 200 sites.

Interested in Deals Like These?

- Las Vegas for \$1 a night
- Coast to Coast \$69
- Europe \$149 Round Trip

Then Don't Miss Out - Sign Up for Travelzoo's FREE Newsletter Today!

Email:

Thanks for using GOM Media Player!

**Did you know about...**

**Playback Speed Controls?**  
You can speed up or slow down your video playback speed using keyboard shortcuts (Q) and (C).  
[Read about other useful shortcut keys](#)

**Capture and Export?**  
Access advanced screenshot features by pushing (Ctrl) + (Q), or export audio by pushing (Shift) + (Q).  
[Read about other useful features](#)

Also from GOM

**GOM TV**

**How long will you live?**

Life line

**Wait! Don't go yet!**

You qualify for the prize of your choice!  
Click [YES](#) to continue

Battery drains quickly out of the blue



# Sudden spike in data usage



Your phone gets suddenly hot while in use



The device runs more slowly than usual

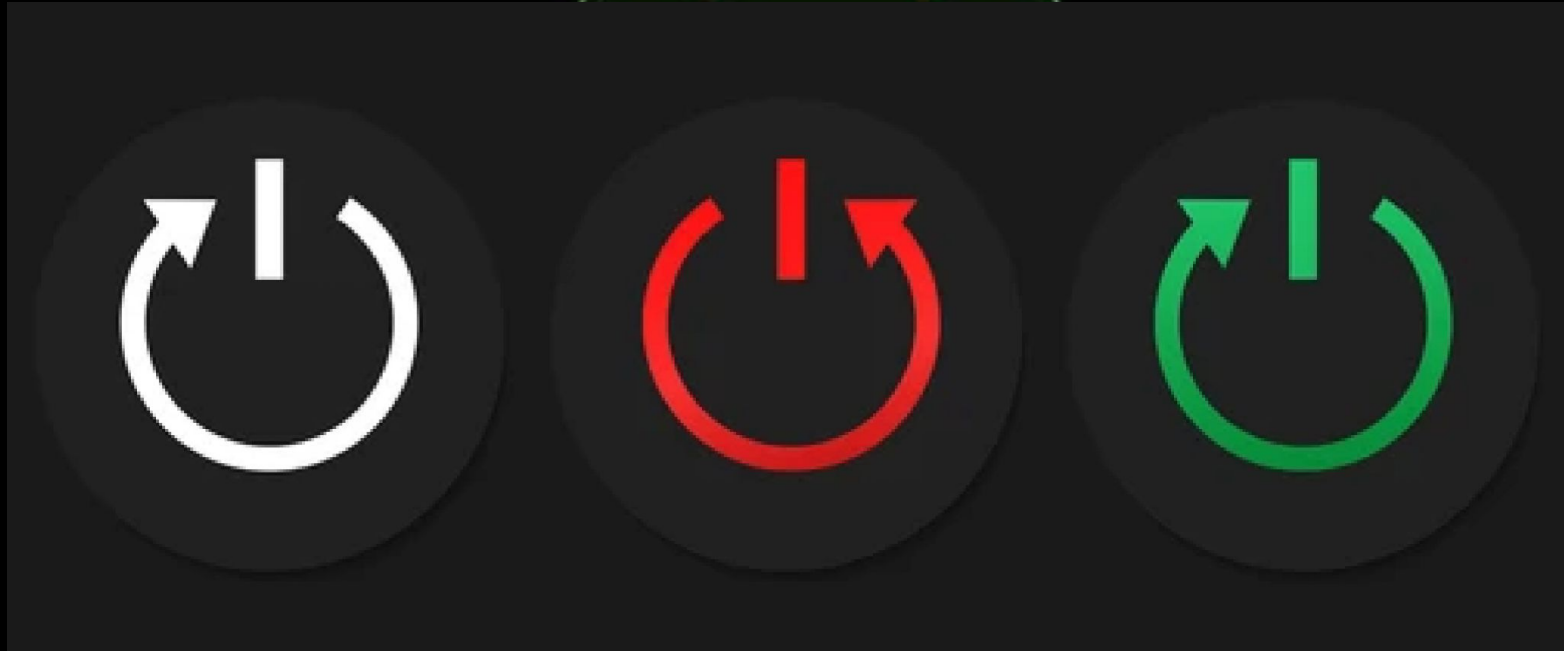




There are apps you don't remember installing



Your Android turns itself on and off



# LET'S CHECK IF YOUR PHONE IS HACKED



- Enter **\*##4636##\*** or **\*##197328640##\*** via the dialer pad to verify if your phone is being tracked .
- Enter **\*#62\*** in the dialer, and the **10-digit phone number** will appear - the phone number to which your mobile calls and messages are being forwarded .
- After you discover your phone was hacked, you can take this number and file a police report. Just enter **\*#06#** code via the dialer pad, and the IMEI number will appear .

# 10 WAYS TO PREVENT ANDROID HACKING .

- Never leave your phone unattended
- Keep your phone locked
- Use two-factor authentication and biometrics
- Download apps from official app stores
- Update your operating system
- Avoid jailbreaking your phone
- Enable remote wiping of your device
- Log out of sites when you're through with them
- Be careful on public Wi-Fi
- Run Antivirus Scan
- Delete suspicious scan



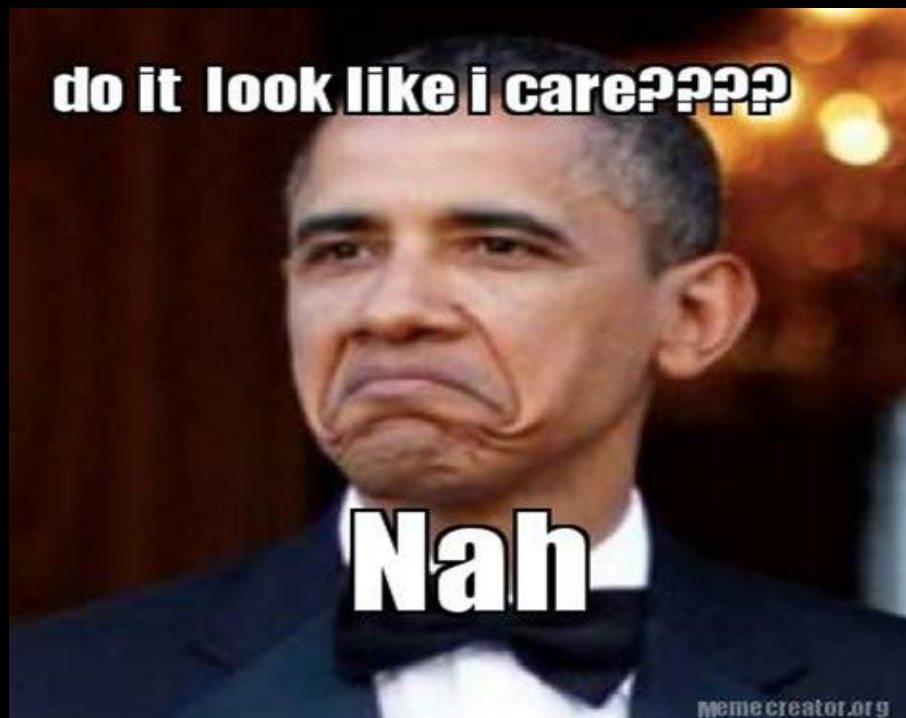
**WHY SHOULD I CARE?**



**WHY SHOULD I CARE**

galid.com

**do it look like i care????**



**Nah**

meme creator.org



There are more than 1.86 billion websites on the internet. Around 1% of these -- something like 18,500,000 -- are infected with malware at a given time each week; while the average website is attacked 44 times every day.



The site ahead contains harmful p

Attackers on [softwarez.us](#) might attempt to trick you or harm your browsing experience (for example, by changing the content on sites you visit). [Learn more](#)

☐ Help improve Safe Browsing by sending some system information and page content to Google.

Some cyber criminals are [paying](#) a monthly fee of \$5,000 to rent an app that steals access credentials from hundreds of other fraudulent apps



Banking malware threats on Android devices have increased by [80%](#), meaning that strong phone security is more important than ever before



# What is your price ?

## How much your data is worth on dark web? NordVPN's research has some answers

Passports are the most expensive items on the list and are high in demand. Czech, Slovakian or Lithuanian passports were the costliest (average price Rs 294,813 ), and Indian passports were worth only Rs 776. As per NordVPN researchers, price

| Indian items                       | Average price |
|------------------------------------|---------------|
| Indian card with known balance     | Rs 454.6      |
| Uber hacked account                | Rs 930.9      |
| Netflix email+password             | Rs 751        |
| Indian personal emails database    | Rs 776        |
| Indian passport scan               | Rs 776        |
| Twitter account (cookies included) | Rs 155        |
| Kraken verified account            | Rs 29,791     |
| Fully verified CashApp             | Rs 18,927     |

### DATA SHOP

#### 500M Facebook accounts \$19.99



We collected over 500 million hacked accounts with personal details. Use our database to boost your campaigns and automate tasks by real world people from whole globe.

#### 42M Instagram accounts \$29.99



We collected over 42 million hacked accounts with many of them connected to other services. Use hacked Instagram accounts to boost your campaigns and get more audience.

#### 70M Twitter accounts \$39.99



We collected over 70 million hacked Twitter accounts. Use them to reach more audience.

#### 235M TikTok accounts \$69.99



We collected over 235 million hacked TikTok accounts. Use them to boost your campaigns and gain more audience among youngsters.

#### 47M Twitch accounts \$29.99



We collected over 47 million hacked Twitch accounts. Use to get audience in gaming.

#### Minecraft database \$39.99



Multiple leaked databases from Minecraft including: UUID, username, IP, e-mail, password

|                            |          |                   |               |        |     |
|----------------------------|----------|-------------------|---------------|--------|-----|
| HIGH BALANCE(ABOVE \$5K)   | Premier  | Yes (confirmed)   | United States | \$ 450 | Buy |
| HIGH BALANCE(ABOVE \$5K)   | Premier  | Yes (confirmed)   | CANADA        | \$ 450 | Buy |
| LOW BALANCE(BELOW \$5K)    | Personal | Yes (confirmed)   | Italy         | \$ 150 | Buy |
| HIGH BALANCE(ABOVE 5K EUR) | Personal | No confirmed card | Italy         | \$ 250 | Buy |
| HIGH BALANCE(ABOVE \$5K)   | Premier  | Yes (confirmed)   | Portugal      | \$ 500 | Buy |
| LOW BALANCE(ABOVE \$5K)    | Personal | No confirmed card | AUSTRALIA     | \$ 95  | Buy |
| LOW BALANCE(BELOW \$5K)    | Personal | Yes (confirmed)   | United States | \$ 211 | Buy |
| LOW BALANCE(BELOW \$5K)    | Premier  | Yes (confirmed)   | United States | \$ 90  | Buy |
| LOW BALANCE(BELOW \$5K)    | Personal | Yes (confirmed)   | United States | \$ 214 | Buy |
| LOW BALANCE(BELOW 5K EUR)  | Premier  | Yes (confirmed)   | France        | \$ 105 | Buy |
| HIGH BALANCE(ABOVE 5K EUR) | Personal | Yes (confirmed)   | France        | \$ 201 | Buy |
| LOW BALANCE(BELOW \$5K)    | Personal | Yes (confirmed)   | United States | \$ 102 | Buy |

# IT'S DEMO TIME !!





**THANK YOU**



**SAFE COMPUTING**