# APP ANTI-HACKER PARA PROTEÇÃO E BLINDAGEM DE SMARTPHONES

JANEIRO DE 2021

GOLDLOCK
Gold Line Group Ltd

- A GOLD LOCK FOI FUNDADA EM 2003 EM ISRAEL E CHEGOU AO BRASIL EM 2005
- FOI A PIONEIRA NA TECNOLOGIA DE CRIPTOGRAFIA PARA TELEFONES CELULARES
- PRESENTE EM MAIS DE 20 PAÍSES E EM TODOS OS CONTINENTES
- LÍDER DE MERCADO GLOBAL NESSE SEGMENTO
- REFERÊNCIA MUNDIAL NA PROTEÇÃO DE DISPOSITIVOS MÓVEIS
- LICENCIADA PELO MINISTÉRIO DE DEFESA DE ISRAEL
- REPRESENTA NO BRASIL EMPRESAS DE EUA, ISRAEL E SUÍÇA
- CRIOU O VAULT OS, O SISTEMA OPERACIONAL BLINDADO DA GOLD LOCK
- CLIENTES ALTAMENTE SATISFEITOS: GRANDES EMPRESAS PRIVADAS E PÚBLICAS, ÓRGÃOS GOVERNAMENTAIS E MILITARES

# ALGUNS PRÊMIOS E RECONHECIMENTOS DA SOLUÇÃO


**CYBERSECURITY EXCELLENCE AWARDS 2020: GOLD WINNER IN MOBILE THREAT DEFENSE – ZPLATFORM**


**CYBERSECURITY EXCELLENCE AWARDS 2020: SILVER WINNER IN BEST CYBERSECURITY COMPANY**


**Most Innovative Enterprise Mobile Threat Defense - 2020**
**Next Gen Application Security – 2020**
**Best Product Mobile Endpoint Security - 2020**
**Best Product Artificial Intelligence and Machine Learning - 2020**


**Best Application Security in 2019**


**Cybersecurity Excellence Awards 2019: Best Mobile Application Security - zIAP**

# ALGUNS CLIENTES

JPMorganChase

facebook

Coca-Cola

Sprint

SoftBank

## Governo Federal

EUROPEAN COMMISSION · TRAFIKVERKET · Ministry of Interior · DEPARTMENT OF HEALTH · UNITED STATES POSTAL SERVICE · FDA · USDA · USAID

## Governo Estadual e Local

SINGAPORE POLICE FORCE · STOCKHOLMS STAD · NYC Information Technology & Telecommunications · NYC · Metro

## Defesa e Inteligência

U.S.ARMY · ICE · U.S. AIR FORCE · NAVY

## FBI

DEPARTMENT OF DEFENSE · UNITED STATES OF AMERICA

SONY

Telstra

L'OCCITANE EN PROVENCE

# z9™: MECANISMO DE DETECÇÃO PATENTEADO PROJETADO PARA CELULARES

O mecanismo de detecção z9™ usa aprendizado de máquina para fornecer proteção em tempo real no dispositivo contra ameaças conhecidas e desconhecidas

# zIPS™

## Identificação dos riscos

**Riscos do dispositivo**
- Vulnerabilidades
- Sem criptografia no dispositivo
- Jailbreaks
- Perfis não gerenciados

**Riscos dos Apps**
- Apps não seguros
- Sideloaded Apps

**Riscos das Redes**
- Scans de reconheciment.
- Wifi não seguro

## Detecção de Ameaças

**Dispositivo comprometido**
- Rooted Device
- Privilégios elevados
- System Tampering

**Phishing Sites**

**Apps maliciosos**

**Ataques às redes**
- MITM Attacks
- Rogue Access Points

## Remediação

**Ações do MDM**
- Limpar dados
- Terminar o acesso

**Bloquear Sites de Phishing**

**Redes**
- Disconectar WiFi
- Disconectar Bluetooth
- Network Sinkhole

**Samsung KNOX**
- Prevenir instalação App
- Desinstalar Apps

## Reporte

**Dados Forenses**

**Integrações com SOC**
- SIEMs
- EDRs

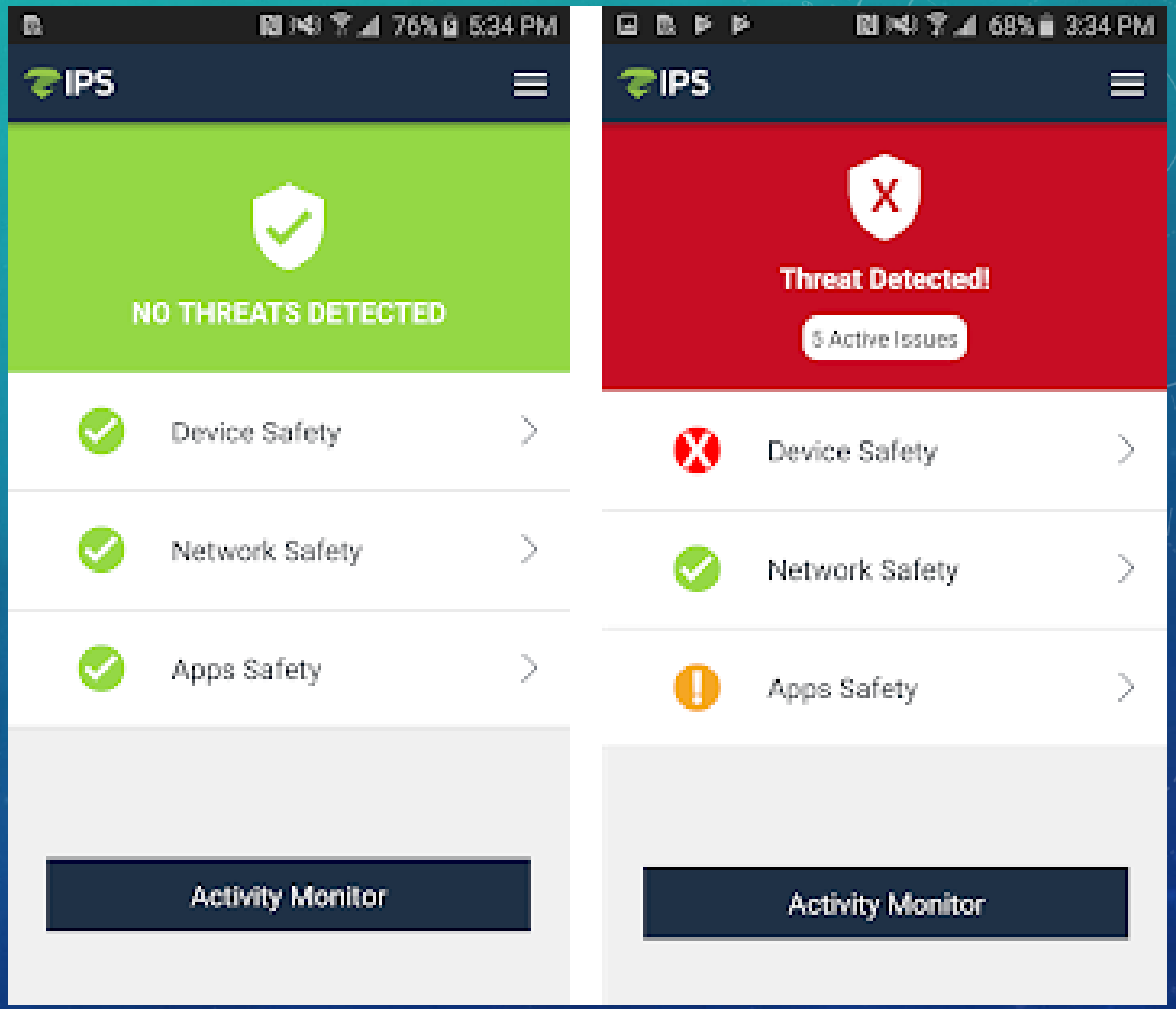
**Threat Hunting**

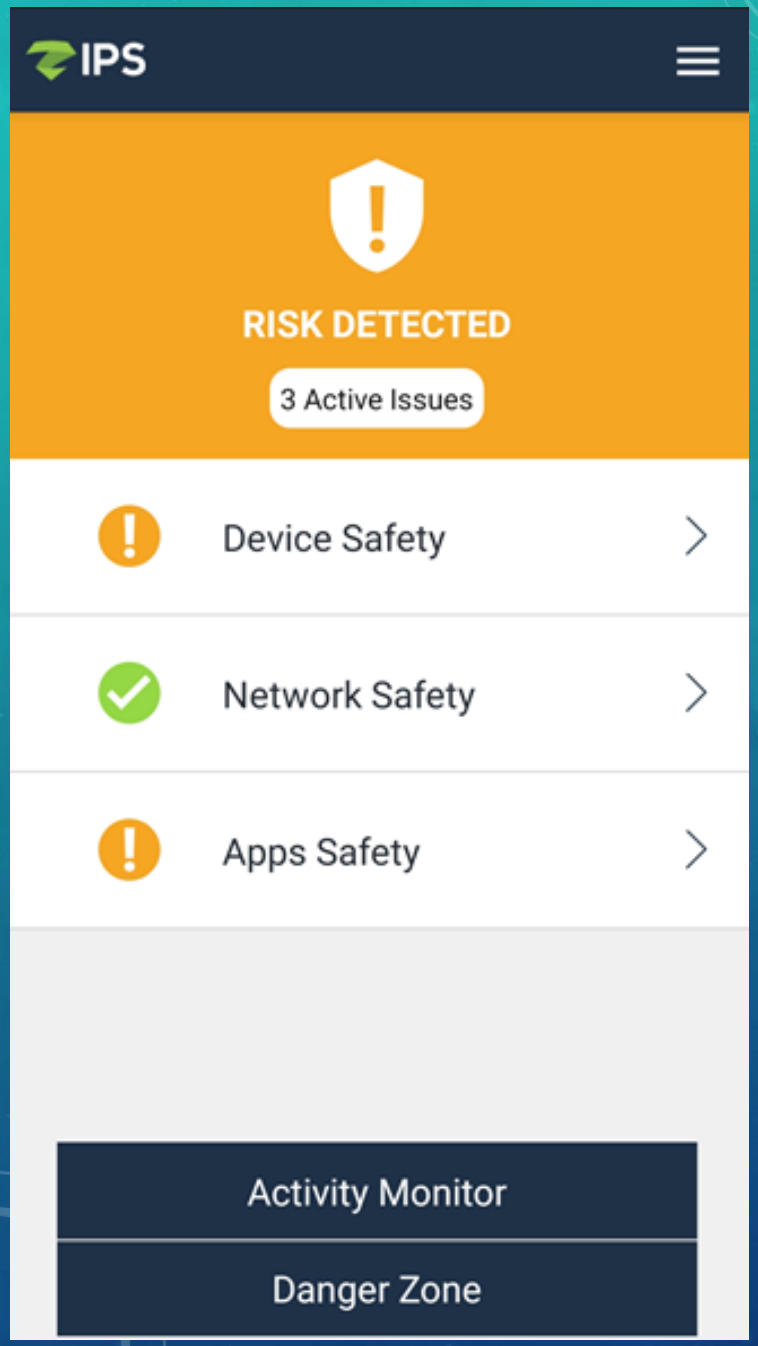
## Princípios fundamentais de design

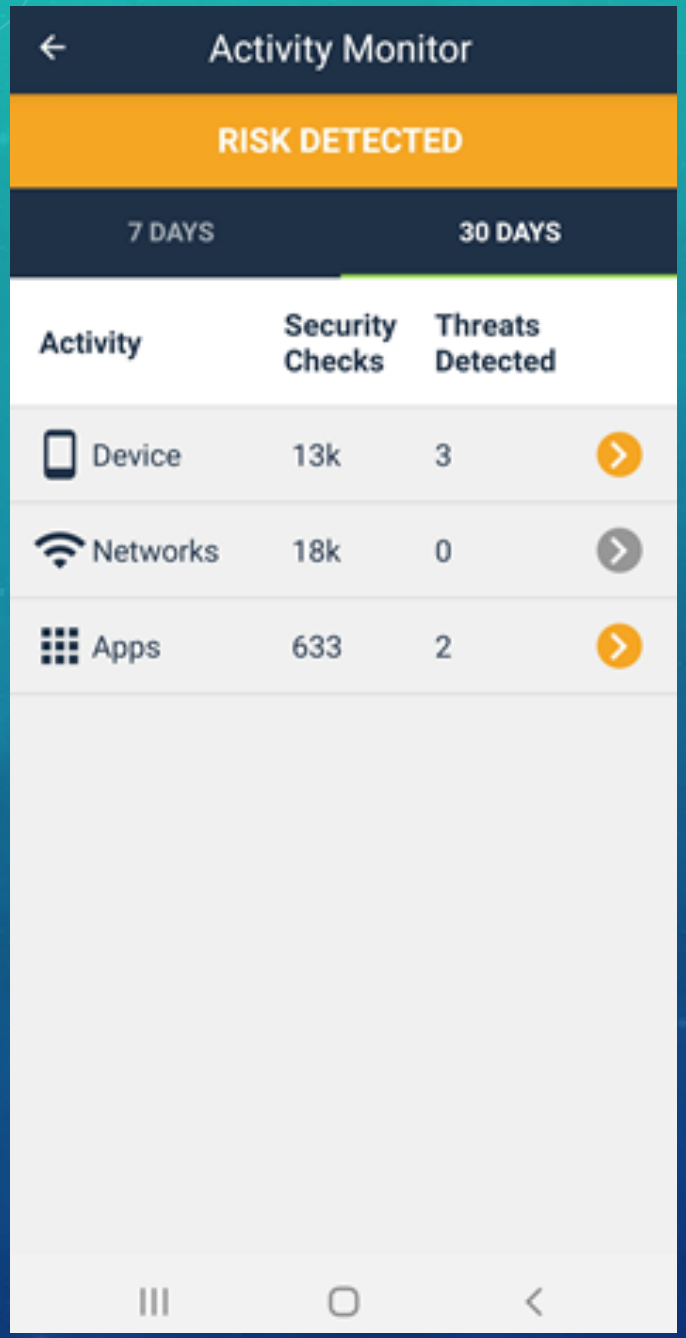
- Capabilidades e escalabilidade
- Detecção de ameaças conhecidas e desconhecidas
- Privacidade e transparência
- Fornece console de gerenciamento em qualquer nuvem ou local
- Opera com vários UEMs simultaneamente

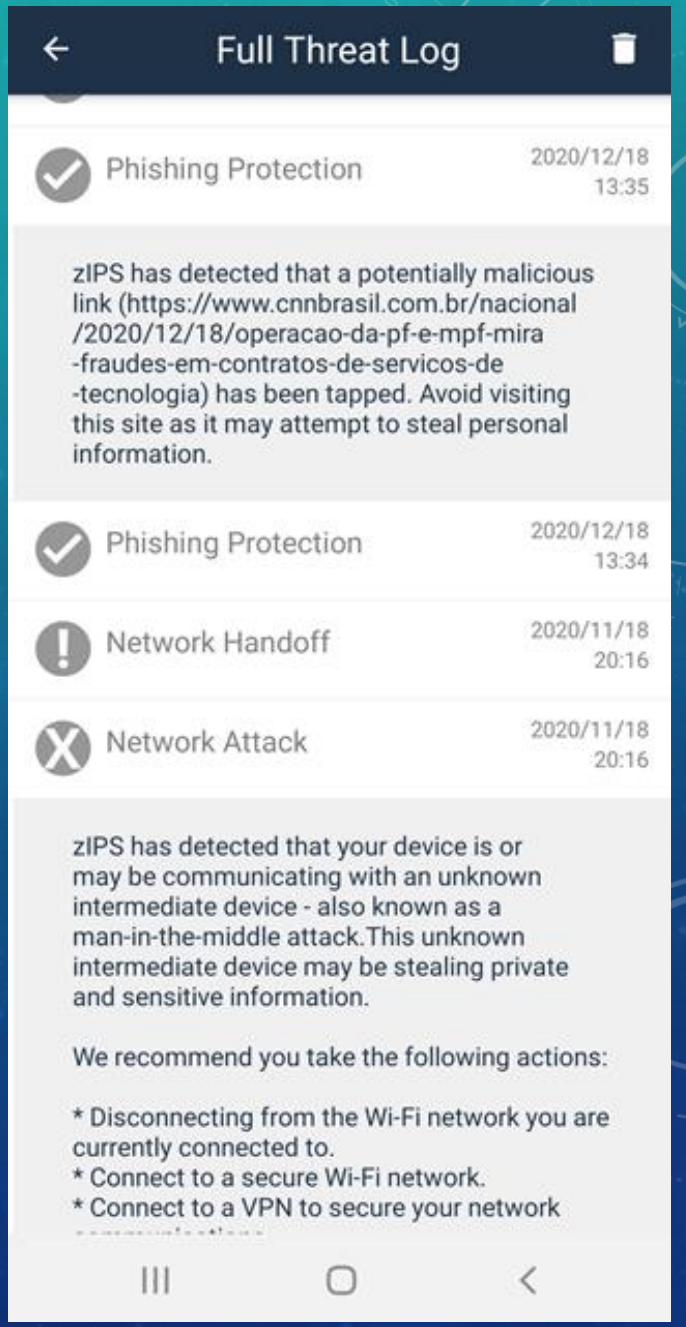
App anti-hacker para proteção de smartphones

- Varredura do dispositivo, redes Wifi e apps
- Detecta comportamentos maliciosos e ameaças conhecidas e desconhecidas em tempo real
- Analisa desvios no comportamento do dispositivo e identifica os tipos de ataque
- Remedia através de rápidas recomendações e decisões quando uma atividade maliciosa é descoberta
- Utiliza inteligência artificial e aprendizado de máquina para evitar ataques como MITM, Phishing Malware e zero-day, entre outros
- Painel Web com dados forenses

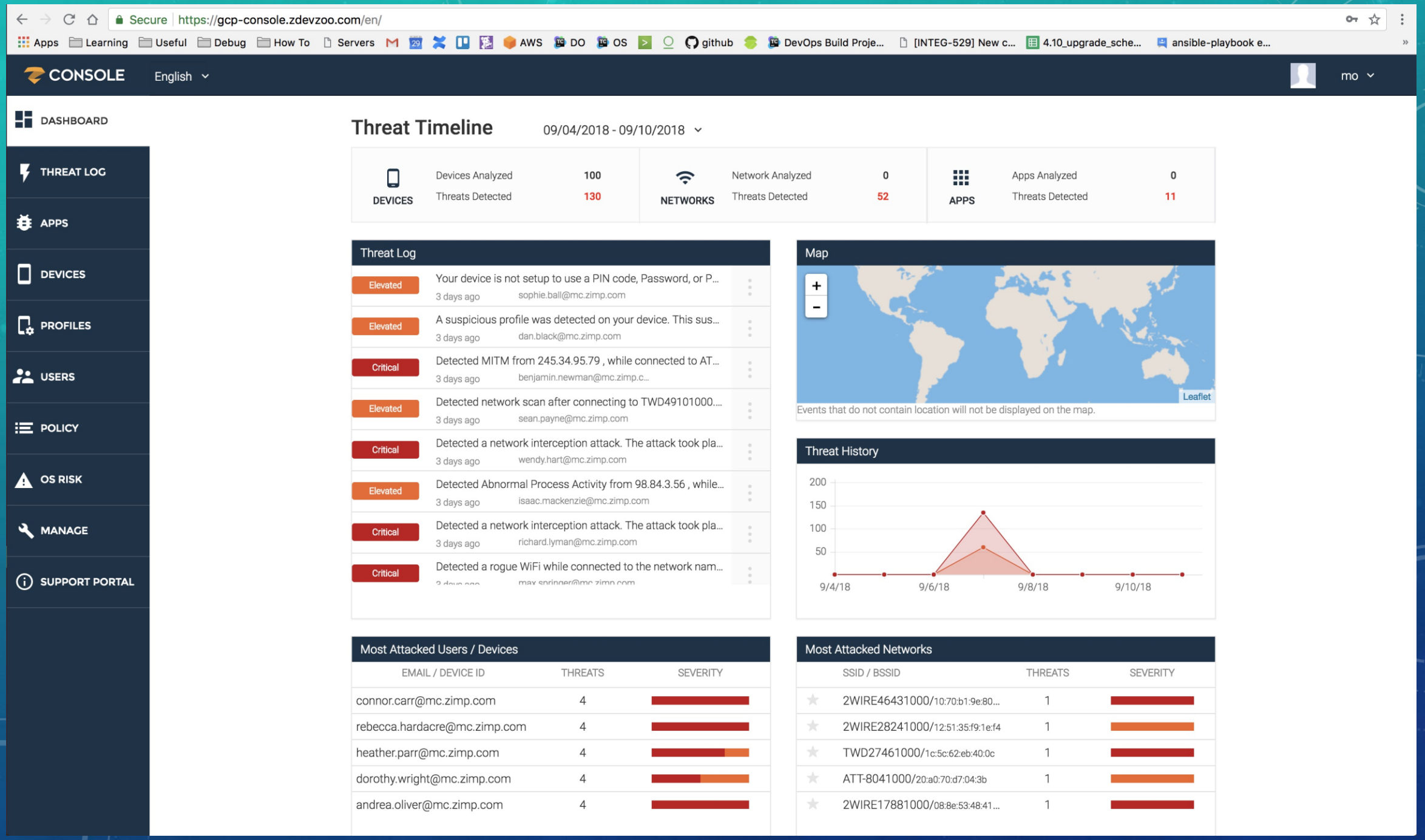



IPS
RISK DETECTED
3 Active Issues
Device Safety
Network Safety
Apps Safety
Activity Monitor
Danger Zone

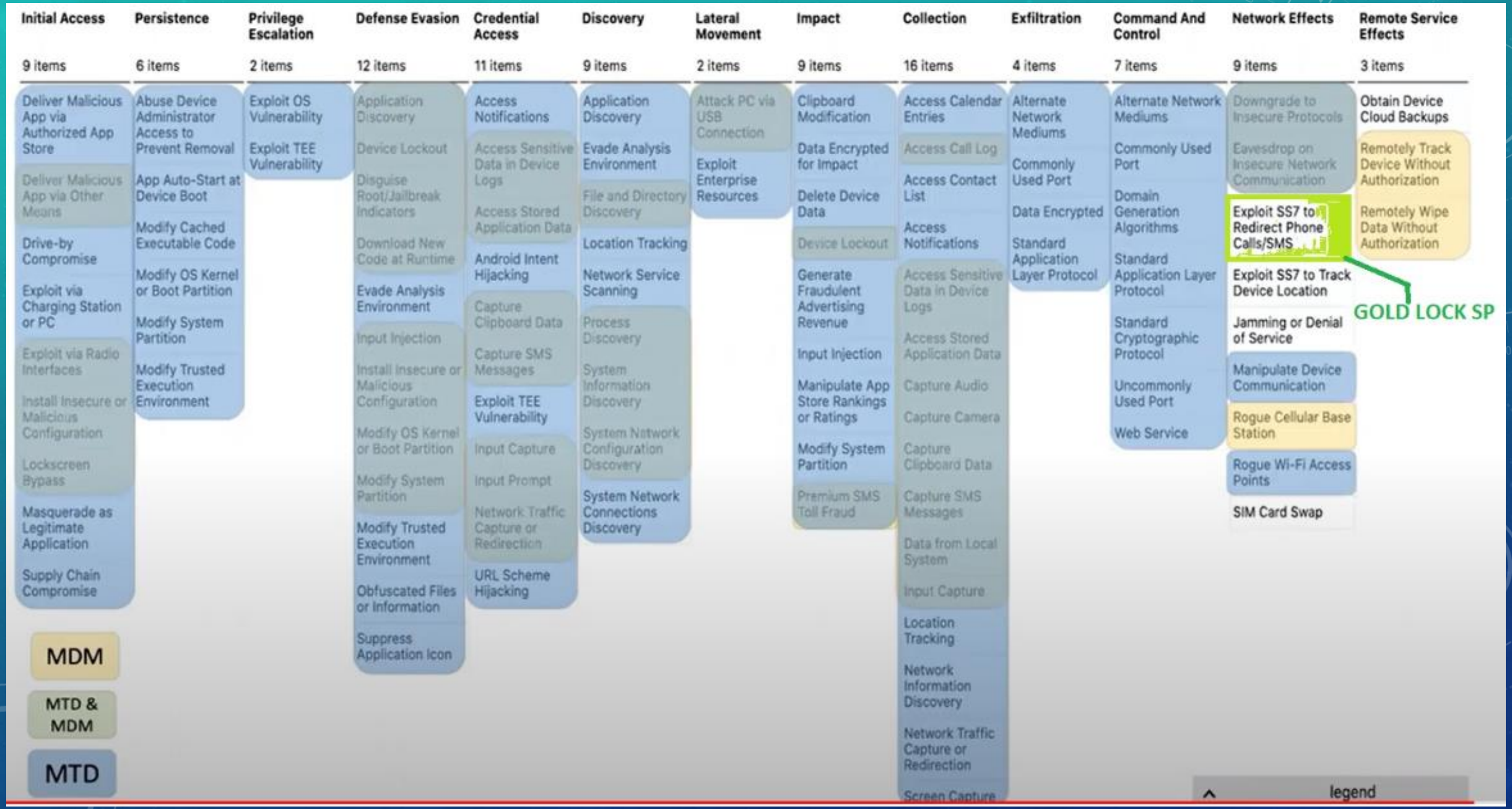

Activity Monitor
RISK DETECTED
7 DAYS
30 DAYS
Activity
Security Checks
Threats Detected
Device 13k 3
Networks 18k 0
Apps 633 2


Full Threat Log
Phishing Protection
2020/12/18 13:35
zIPS has detected that a potentially malicious link (https://www.cnnbrasil.com.br/nacional/2020/12/18/operacao-da-pf-e-mpf-mira-fraudes-em-contratos-de-servicos-de-tecnologia) has been tapped. Avoid visiting this site as it may attempt to steal personal information.
Phishing Protection
2020/12/18 13:34
Network Handoff
2020/11/18 20:16
Network Attack
2020/11/18 20:16
zIPS has detected that your device is or may be communicating with an unknown intermediate device - also known as a man-in-the-middle attack.This unknown intermediate device may be stealing private and sensitive information.
We recommend you take the following actions:
* Disconnecting from the Wi-Fi network you are currently connected to.
* Connect to a secure Wi-Fi network.
* Connect to a VPN to secure your network

| DEVICE | NETWORK | APPLICATION | PHISHING |
| --- | --- | --- | --- |
| OS/Kernel exploitation | Man-in-the-Middle (MITM) | Malicious apps | Malicious URL |
| Profile/configuration modification | SSL stripping | Risky Apps | Phishing emails |
| System tampering | SSL traffic intercept | Known and unknown malware | Phishing text messages |
| Device vulnerability assessment | Rogue access points | Dynamic threats abusing download and execute techniques | Application embedded URLs |
| Physical USB exploitation | Reconnaissance scams | Potentially unwanted applications from untrusted sources | Obscured URLs |


Secure https://gcp-console.zdevzoo.com/en/
Apps Learning Useful Debug How To Servers AWS DO OS github DevOps Build Proje... [INTEG-529] New c... 4.10_upgrade_sche... ansible-playbook e...
CONSOLE English mo
DASHBOARD
THREAT LOG
APPS
DEVICES
PROFILES
USERS
POLICY
OS RISK
MANAGE
SUPPORT PORTAL
Threat Timeline 09/04/2018 - 09/10/2018
DEVICES Devices Analyzed 100 Threats Detected 130
NETWORKS Network Analyzed 0 Threats Detected 52
APPS Apps Analyzed 0 Threats Detected 11
Threat Log
Elevated Your device is not setup to use a PIN code, Password, or P... 3 days ago sophie.ball@mc.zimp.com
Elevated A suspicious profile was detected on your device. This sus... 3 days ago dan.black@mc.zimp.com
Critical Detected MITM from 245.34.95.79 , while connected to AT... 3 days ago benjamin.newman@mc.zimp.c...
Elevated Detected network scan after connecting to TWD49101000.... 3 days ago sean.payne@mc.zimp.com
Critical Detected a network interception attack. The attack took pla... 3 days ago wendy.hart@mc.zimp.com
Elevated Detected Abnormal Process Activity from 98.84.3.56 , while... 3 days ago isaac.mackenzie@mc.zimp.com
Critical Detected a network interception attack. The attack took pla... 3 days ago richard.lyman@mc.zimp.com
Critical Detected a rogue WiFi while connected to the network nam...
Map
Leaflet
Events that do not contain location will not be displayed on the map.
Threat History
200
150
100
50
9/4/18
9/6/18
9/8/18
9/10/18
Most Attacked Users / Devices
EMAIL / DEVICE ID THREATS SEVERITY
connor.carr@mc.zimp.com 4
rebecca.hardacre@mc.zimp.com 4
heather.parr@mc.zimp.com 4
dorothy.wright@mc.zimp.com 4
andrea.oliver@mc.zimp.com 4
Most Attacked Networks
SSID / BSSID THREATS SEVERITY
2WIRE46431000/10:70:b1:9e:80... 1
2WIRE28241000/12:51:35:f9:1e:f4 1
TWD27461000/1c:5c:62:eb:40:0c 1
ATT-8041000/20:a0:70:d7:04:3b 1
2WIRE17881000/08:8e:53:48:41... 1

# MITRE ATT&CK


Initial Access
9 items
Deliver Malicious App via Authorized App Store
Deliver Malicious App via Other Means
Drive-by Compromise
Exploit via Charging Station or PC
Exploit via Radio Interfaces
Install Insecure or Malicious Configuration
Lockscreen Bypass
Masquerade as Legitimate Application
Supply Chain Compromise
Persistence
6 items
Abuse Device Administrator Access to Prevent Removal
App Auto-Start at Device Boot
Modify Cached Executable Code
Modify OS Kernel or Boot Partition
Modify System Partition
Modify Trusted Execution Environment
Privilege Escalation
2 items
Exploit OS Vulnerability
Exploit TEE Vulnerability
Defense Evasion
12 items
Application Discovery
Device Lockout
Disguise Root/Jailbreak Indicators
Download New Code at Runtime
Evade Analysis Environment
Input Injection
Install Insecure or Malicious Configuration
Modify OS Kernel or Boot Partition
Modify System Partition
Modify Trusted Execution Environment
Obfuscated Files or Information
Suppress Application Icon
Credential Access
11 items
Access Notifications
Access Sensitive Data in Device Logs
Access Stored Application Data
Android Intent Hijacking
Capture Clipboard Data
Capture SMS Messages
Exploit TEE Vulnerability
Input Capture
Input Prompt
Network Traffic Capture or Redirection
URL Scheme Hijacking
Discovery
9 items
Application Discovery
Evade Analysis Environment
File and Directory Discovery
Location Tracking
Network Service Scanning
Process Discovery
System Information Discovery
System Network Configuration Discovery
System Network Connections Discovery
Lateral Movement
2 items
Attack PC via USB Connection
Exploit Enterprise Resources
Impact
9 items
Clipboard Modification
Data Encrypted for Impact
Delete Device Data
Device Lockout
Generate Fraudulent Advertising Revenue
Input Injection
Manipulate App Store Rankings or Ratings
Modify System Partition
Premium SMS Toll Fraud
Collection
16 items
Access Calendar Entries
Access Call Log
Access Contact List
Access Notifications
Access Sensitive Data in Device Logs
Access Stored Application Data
Capture Audio
Capture Camera
Capture Clipboard Data
Capture SMS Messages
Data from Local System
Input Capture
Location Tracking
Network Information Discovery
Network Traffic Capture or Redirection
Screen Capture
Exfiltration
4 items
Alternate Network Mediums
Commonly Used Port
Data Encrypted
Standard Application Layer Protocol
Command And Control
7 items
Alternate Network Mediums
Commonly Used Port
Domain Generation Algorithms
Standard Application Layer Protocol
Standard Cryptographic Protocol
Uncommonly Used Port
Web Service
Network Effects
9 items
Downgrade to Insecure Protocols
Eavesdrop on Insecure Network Communication
Exploit SS7 to Redirect Phone Calls/SMS
Exploit SS7 to Track Device Location
Jamming or Denial of Service
Manipulate Device Communication
Rogue Cellular Base Station
Rogue Wi-Fi Access Points
SIM Card Swap
Remote Service Effects
3 items
Obtain Device Cloud Backups
Remotely Track Device Without Authorization
Remotely Wipe Data Without Authorization
GOLD LOCK SP
MDM
MTD & MDM
MTD
legend