IronFox

https://ironfox.org

Websites, Mobile Apps & APIs Full Protection

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Outline

- IronFox
 - Team
- Products
 - Bot Protector
 - Real-Time Bot Detection & Protection
 - App Armor
 - Real-Time API Protection & Mobile Applications Security





AppArmor



• AppArmor

- Mobile Applications & APIs Protection
 - Full API & Real-Time Service Protection
 - Mobile Application Cracking, Clone, Malicious code injection detection and Protection.
 - Tracking & Reporting
 - Anti-Debugging & self protection
 - Self Destruction Call (SIG KILL)
- Easy to use Mobile SDK
 - · Apply protection with minimal coding
- Third-Parties Integration & Modules (Back-End)
 - Web Servers
 - Nginx Module
 - Application Frameworks
 - C Library, Java, Kotlin & Python API
 - SOC and other third-parties.



Easy To Use Mobile SDK

Step 1: Login to your dashboard ~ 60 second **Step 2:** Get your clients key ~ 10 second **Step 3:** Add line of code in your app ~ 60 second String url = "http://demo.ironfox.org/v1/info"; OkHttpClient.Builder builder = new OkHttpClient.Builder(): builder.addInterceptor(new IronFoxSDK(clientKey: "840015187341961821195933321864796696998360530909")) OkHttpClient client = builder.build(); Request request = new Request.Builder() .url(url) Client Key .build(): client.newCall(request).enqueue(new Callback() { @Override public void onFailure(@NotNull Call call, @NotNull IOException e) {

Real-Time Bot Protection



- Gen 1 : Simple crawlers with basic action
 - Example: In home scripts
 - Detection: Absence of Cookie
- Gen 2 : Still easy to detection



- Example: wrk, HTTP load generator, Very simple yet powerful DDoS tools
- Detection: Absence of JavaScript
- Gen 3 : Look like browsers, Start of low and slow attack



- Example: PhanomJs, Selenium
 - Detection: challenge tests and fingerprinting
- Gen 4:Bots mimic human behavior such as non-linear mouse movements



- Example: Chrome Headless || cbot, Gen4 bot in C(18K), developed by IronFox team
- Detection: behavioral Analysis

Reference and more information: https://datadome.co/bot-management-protection/how-to-detect-malicious-bots/Copyright (c) context and icons , https://datadome.co

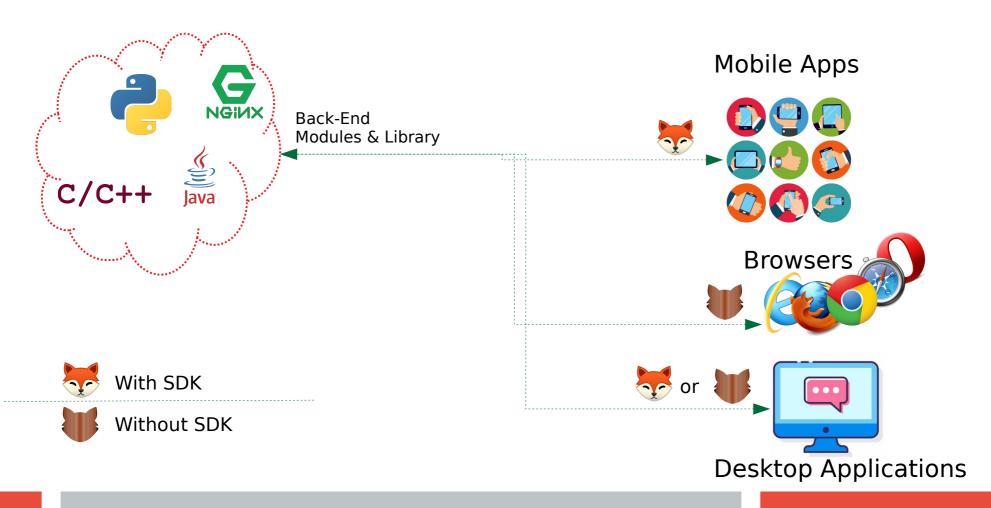
Real-Time Bot Protection



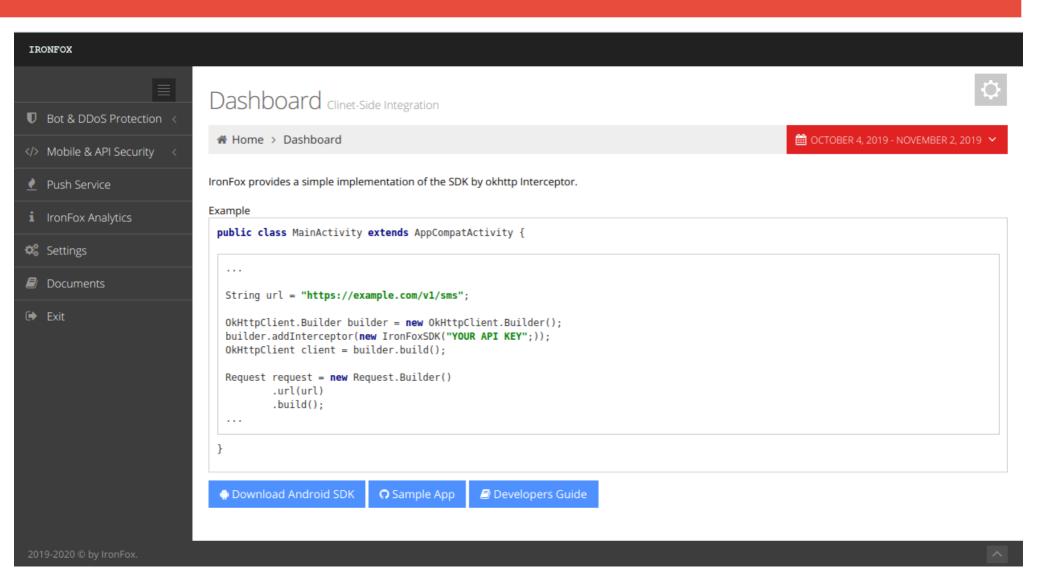
Real-Time Bot Detection & providing service such as:

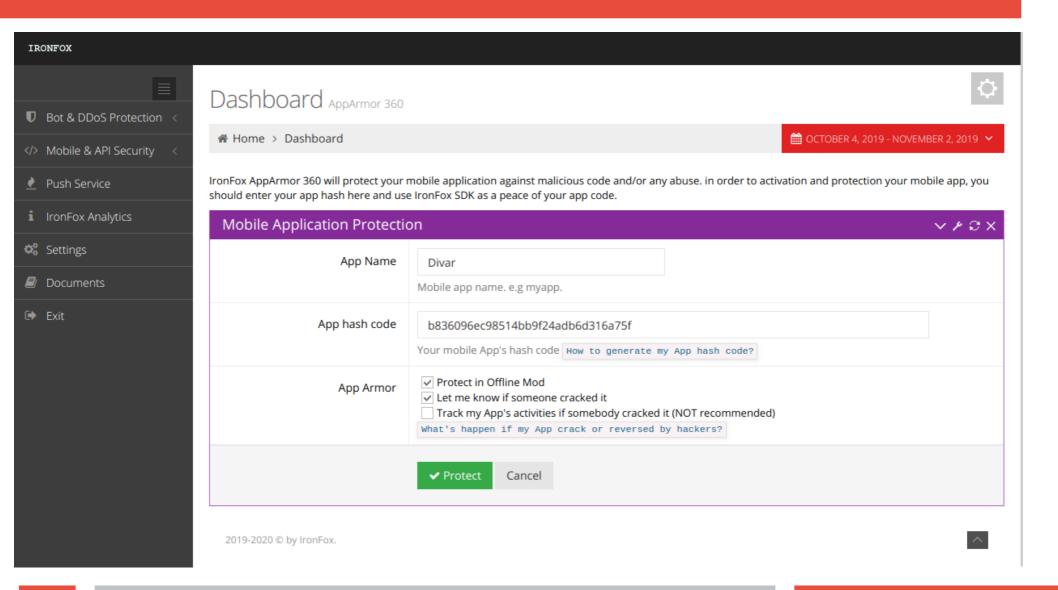
- 100% Transparent & fully works in Agent-Less mod. No additional changes is required in your side or in your source code
 - Like Cloud-Flare, Only set our DNS name on your domains entry, and let him to protect your services
- Identify & classification of real users vs bots (also determine a good or a bad bots) with tracking and control their activities
- Tracking and control clients by real & unique information
 - because cookie based or source IP tracking are deprecated
- Complex Web Application Layers (L7) DDoS attacks detection & prevention
- Save Your Money. Detection & blocking Ad-Fraudsters
- Blocking automatic vulnerability & security scanners
- Blocking Spammers, Crawlers & unexpected auto/semi-auto clients
- Server & Service overload protection
 - From API service to Web Servers, form Web Servers to your Web Application Firewalls, All of them protected by IronFox botCop.
- And all of BOT activities effected your business and service

How it's work







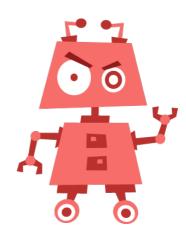




Demo



{ REST:API }



Mobile Application Protection

API Protection

Bot Detection & Protection

Thanks