

ir.deta

OTT video is exploding

The two sides of the coin

Direct to Consumer & Hybrid Services







OTT subscribers' growth

Higher availability of services

Attractive offerings

Session sharing
Credentials sharing
Content key harvesting

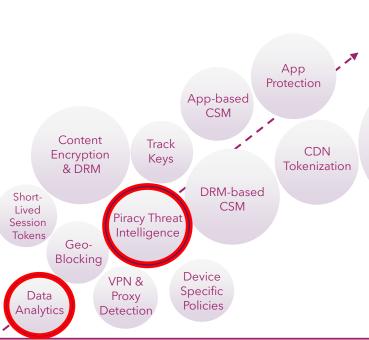


ir.deta

Effort/Complexity/Cost

OTT Security Strategies

Industry best practices



Degree of piracy risk reduction

Watermarking +
Monitoring
(highly dependent on
volume of content
watermarked)



Find the **wining balance** for your business



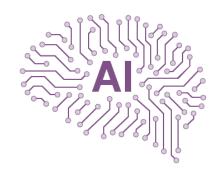
Circle size = individual impact

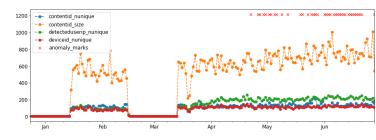
Deployment Time
© 2024 Irdeto, All Rights Reserved. - www.irdeto.com

ir.deta

Data Analytics & Fraud Management

- Al powered anomaly detection based on account specific data to detect suspected piracy and service abuse
- Identify piracy and service abuse (use cases):
 - Subscriber accounts engaging in session sharing attacks
 - Subscriber accounts overriding service usage mechanisms e.g. concurrent stream limits
 - Subscriber accounts circumventing service geo-IP service access rules
 - Subscriber accounts and devices harvesting content encryption keys
 - Use of compromised unique devices (e.g. specific DRM device IDs)
 - Use of compromised device fingerprints e.g. emulators and SDKs
 - Identify and validate compromised DRM clients
 - Identify and validate new piracy attacks and tooling
- Investigation & validation of vulnerabilities, tools and exploits
- Assess impact & implement mitigation actions
- Security assessment of OTT platform, apps and security policies





OTT Threat Intelligence - Case Study - 7 Day Period

2-Step Widevine L3 Key Theft



7 Accounts 48 transactions Android Emulators + Samsung CDMs

Faked LG TV Widevine



2 Additional accounts & 88 transactions Cloudflare proxy Faked LG User Agent

Single-Step Key Theft



5 additional accounts Systemid 4464 & 8162 Faked User Agents & Web/TV Entitlements

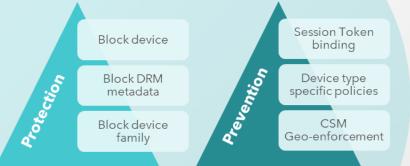
Rebroadcast



2 Accounts Multiple events

Threat Mitigation





DETECTION MITIGATIONS

- Password Reset
- Warn/Suspend Accounts
- Investigations & Enforcement



Protect. Renew. Empower.

THANK YOU!