

Mobile Threat Defense, supervision, and usage monitoring

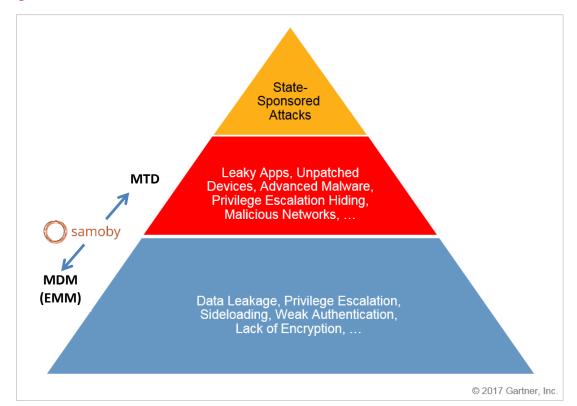


Mobile security is not just MDM

Forecasts for 2019, is that 33% of all malware will come from mobile apps (7,5% today, twice more than 1Y ago).

"Mobile Threat Defense", as defined by Gartner, complements MDMs-EMMs security features by offering real time features MDMs do not

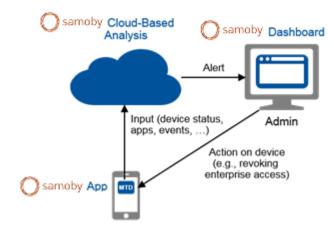
Samoby offers a real time protection covering both MTD and EMM/MDM (Enterprise Mobility Management) security features





Samoby, a real time platform for mobility

Samoby is an enterprise cloud solution that provides real-time mobile services including threat protection, and usage management.





Security

Samoby helps you have a clear view of new security threats brought by extensive use of mobile, in particular "BYOD", by creating a central source of information in the cloud, and constantly auditing your employees devices, performing automatic mitigation actions such as disabling access to corporate applications.

Real time detection

- Network threats: Unsecure connection, ARP Spoofing fake SSL, Man in The midlle Attacks, Security downgrading, Phishing, unsecure websites, and Ips
- User threat: transferring large amounts of data, connecting to hacking webs or proxies, travelling to sensitive countries or places...
- App threats: Unknown source, Malware, vulnerabilities, suspicious permissions, shared location.
- Device Threats: Security parameters (allow apps from unknow source, ...), root/jailbreak detection, OS versions, Security patches,...

Mitigation

- Data connection Blocking by app
- App usage blocking
- VPN Enforcement
- Remote wipe
- Alerts, notifications, automatic incident creation
- Remote configuration



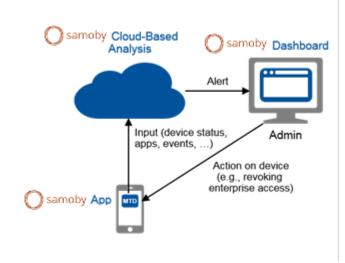
Security – Historical

All mobile events are stored on a cloud platform for immediate or forensic analysis

- Events such as IP connection, app install/uninstall, network AP used, arp tables, can be analysed later to list devices that might have been attacked by a known threat
- Individual devices historical can be audited to identify risky or malicious behaviour

A central Cloud platform helps you take control of scattered devices, in real time and afterwards...

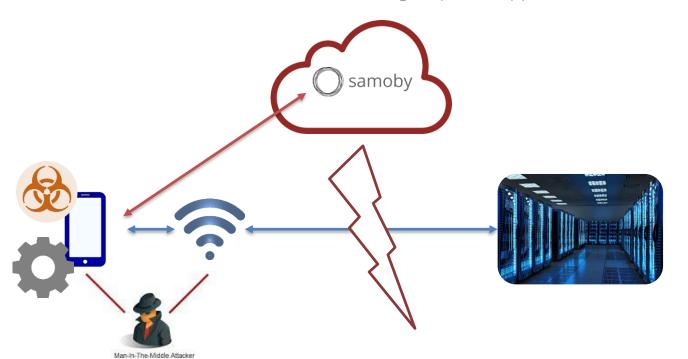
• Not only can you know instantly what is happening now everywhere in your "global extended network", you will not lose trace of what happened even though you lose or reinit a device.





Samoby Use case #1: BYOD security

Prevent unsecured devices from accessing corporate apps and data:



Employee device is constantly monitored by Samoby

In case of network attack like MiTM or Phishing,...

Malware installation,...

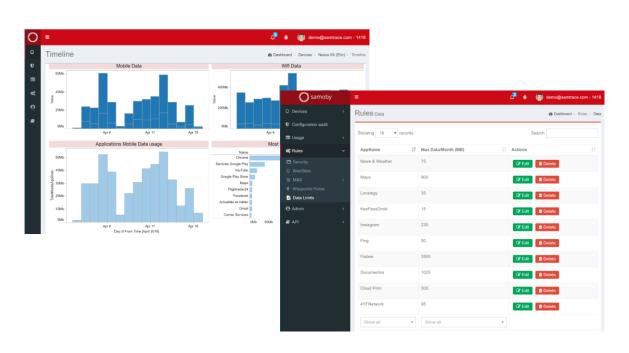
Or unusual behaviours,...

access to corporate systems and data is automatically disabled by Samoby



Samoby Use case #2: Roaming control

Have details on how data plan are used when roaming and set up limits for each app:



Samoby supervises each device individual roaming data usage per app

Individual data usage limits can be set for each app

Notifications can be sent to user or admin whenever a user registers in a new roaming network

Admin can see if device is configured properly to use data roaming, can check or set proper data plan and set up limits.



Use cases: mobile expenses

As workplace goes mobile, you need to gain control over mobile costs such as bandwith usage and licenses.

Samoby gives you detailed analytics of data traffic and use of each app. Define company rules on which, where and when apps can be used, websites visited, calls made. Do not pay for unused apps.

Real time information

- App usage Logs and analytics
- Analytics of data connection global use, drill down by apps and/or user, roaming.
- Call Logs and analytics
- Web browsing Logs and analytics
- Geolocation

Benefits

- Know which are the most used corporate apps, do not pay for unused licence, invest in enhancing the one people need
- Selectively block or limit the use of apps by time, location, Data plan consumption.
- Know where your data plans are spent. Detect top data consuming apps, limit use following company policies, roaming, hour, location,...
- Limit outgoing/incoming calls: hour, location, black/white list, etc. For example, block roaming outside a list of countries.
- Limit web access by sites category.



Samoby Use case #3: Proactive maintenance

Reduce calls and emails to helpdesk by detecting incidents before user reports them



Receive alerts or generate tickets when abnormal hardware behavior is detected

Access detailed device history and parameters for a better diagnosis

Have some benchmark information of all devices in your fleet for selecting best models



Use cases: enhancing M&S

Proactively detect and automatically remediate device problems, give a better service and reduce smartphone and tablets Maintenance & Support costs.

Reduce MTTR (Mean time to resolve) by having accurate device information and history.

Key features

- Early detection of hardware failures: memory, battery, stability, etc.
- Access to a complete and updated information on Hardware, versions, installed apps, and device configurations.
- Access to device history: memory CPU and Battery state over time, app install/uninstall history,...
- Easy integration with other corporate tools: ITSM (incidents, problems, CMDB,...), infrastructure monitoring, ITOM, SIEM, SAM.

Benefits

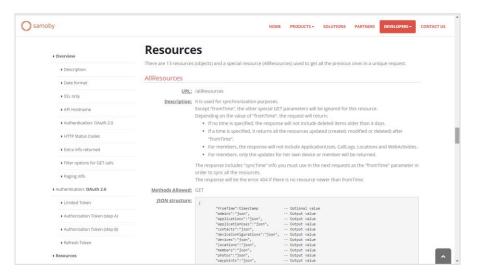
- Proactive maintenance, decrease number of incidents opened by users.
- Reduce response time from helpdesk team
- Benchmarking and analytics: know which devices fails most, and why.
- Mobile world is integrated with corporate world, and processes can easily be automated in order to apply company standards, have a better productivity, trackability and analytics.

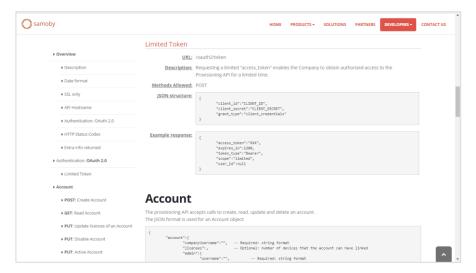


Samoby RESTful APIs

Samoby provides two RESTful API with Oauth authentication:

- o Provisioning API: to create, read, update and delete users.
- o Open API: enables easy integration to provide real-time intelligence for Enterprise Services (ITSM, ISAM, ITOM, SAM, ad-hoc alerts, etc...).







Samoby architecture















real-time collector

Samoby real-time service

- o 0.04% CPU consumption
- o Less than 1% battery
- o Less than 1MB/day of Data
- o Smart and proprietary algorithms to optimize mobile resources usage

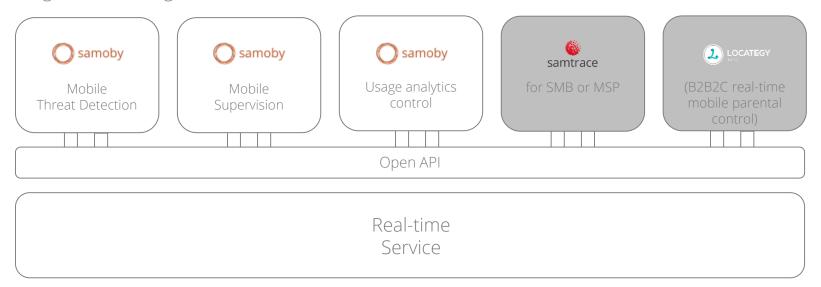
- o More than 2 million events managed per day
- o More than 2.5 million monitored apps
- o Latency 50ms (0.05s)
- o Guaranteed uptime with a 99.99% SLA available
- o Worldwide coverage
- o Get started in minutes from our SaaS platform delivered from AWS
- o On premises deployment
- o Multi-tenant configuration
- o OEM and white labelling approach
- o Encryption end to end
- All requests are logged

- o HTML5 dashboard
- o Native Android app for admin
- o Native iOS app for admin
- o HTML5 app for mobile admin



Samoby: Real-time platform modularity

The **Samoby** service is build on top of the real-time platform that delivers a range of real-time, mobile added-value services for Enterprise and individual. It includes Mobile Device and App Discovery, Threat defense, App remote control, configurable alerts, tracking, configuration management, among others





About Us

Founded in 2008, we're developers of cloud-mobile Value-Added-Services (VAS).

We do cover mobile corporate and SME needs, providing cloud administration, rich-Open API and native mobile apps.

Our products have been selected by leading Managed Service Providers and Telcos, Independent Software Vendors and Systems Integrators.





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Some data

5 coutries & 3 continents

15 Medium or large size companies -



70,000 employees 1,000 devices managed

9,000 small companies

near 100,000 managed devices

Close to 2,000,000 supervised apps