



rAPId

Device Identification & Enrichment API



We've worked hard for it – so you won't have to

With rAPId by SAM, customers can effortlessly identify a diverse array of connected devices in home or business networks, and utilize that knowledge within their own solutions. Instead of building and maintaining their own device fingerprinting mechanism and device identities databases, customers can simply provide the data they collected as part of their network and device monitoring process – and rAPId will identify and provide additional details on the devices, including manufacturer, class, model and OS.

rAPId can also provide an updated list of known CVEs for the identified device, and can seamlessly integrate within the customer's own or provided cybersecurity and network management workflows.

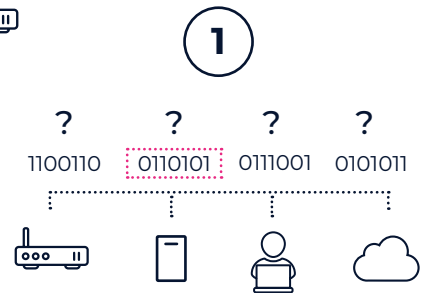
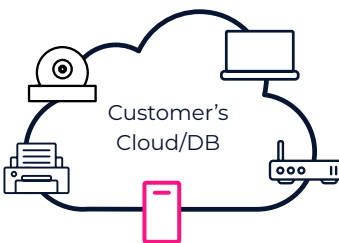
How rAPId works

The device's details are sent via rAPId to the customer



SAM's Cloud Fingerprinting DB

Collected data is sent via rAPId to SAM's Fingerprinting Cloud for identification



Customer collects data on network devices using their chosen collection process

Turn your collected device data into actionable knowledge

Based on SAM's trusted device fingerprinting process, and an extensive database of devices we've built over the years, customers can identify a large and diverse array of connected devices found in home or office environments. In addition to commonly used computers, smartphones and tablets, SAM's devices repository includes an enormous amount of identifiable IoT devices such as printers, cameras, network equipment, entertainment and gaming systems, security systems, climate control sensors and more.

rAPId can turn these*

MAC address | Banner grabs - HTTP, HTTPS, Telnet, FTP | DHCP parameters & DHCP options | Domain requests (DNS) | Network scans - ICMP replies, TCP options
HTTP headers - URIs, User Agent | mDNS Service Discovery (Bonjour) | SSDP broadcasts
UPNP attributes | Network discovery protocols - CDP, LLDP

Into this

Device manufacturer (Apple) | Device class (Phone) | Device OS (iOS)
Device product name (iPhone) | Device model (14) | Device sub-model (Pro Max)
+ List of known CVEs for that device

* Not all data sources are required, but additional data types increase probability and certainty of device identification response.

Here's why you should utilize SAM's rAPId in your workflow



Comprehensive device database

Built on years of operation and expertise, and constantly updated, SAM's device database can handle even the most atypical queries.



Enhances your device-related solution

Easily integrate device identity information into your device management, security, monitoring or other internal or revenue-generating solution.



Improve devices' security

Learn about your device's cybersecurity vulnerabilities ASAP – so you can protect yourself and the customers that trust you.



Add capabilities, not headaches

By relying on our device identification API, you can continue to focus and improve upon your core competencies and business objectives.