

# Anti-Malware Cloud API

## The Reason Advantage

- Protects users from adware and PUPs
- Scanning and real time protection
- Modern native libraries to accelerate the development process
- Easy to integrate
- A rich set of client and server-side functionality for adding malware protection to your codebase
- Lightweight footprint; requires minimal system resources
- Provides full and flexible control to developers
- The Cloud API provides a single integration point to many of Reason's security technologies.
- Detect, disable and remove potentially unwanted applications
- Highest potential coverage in the industry

The threat of malware is growing at an astounding pace and in accordance, the anti-malware market has ballooned tremendously. While most anti-malware and antivirus software solutions address one main issues, malware, (which is a combination of trojans, worms, viruses, rootkits and spyware) most stay away from addressing the massive increase of adware and PUPs (potentially unwanted software) that infest users at an ever growing rate. Reason's security products tackle adware and PUPs head-on with market leading analysis and detection, which no other vendors in the market come close to currently. Reason is proud to extend our core platform technologies to developers and OEMs to help them protect their users from adware threats.

## 01. Cloud API

### Integrate Anti-Malware Cloud API Into Your Product or Service

Reason's Cloud API (Application Program Interface) allows your company to integrate an anti-malware (adware and PUP) solution into any software, hardware or web-based platform using modern open web standards to provide comprehensive protection and analysis from many types of internet threats, including: adware, potentially unwanted programs (PUPs) trojans, worms, spyware, and other malware intrusions. Used by the world's leading IT security companies, certification authorities and ISPs, Reason's Cloud API is the combination of the latest anti-malware, adware and anti-PUP technologies, providing supreme detection and one of the lowest false positive rates, ensuring instant reactions to adware threats.

# 01.

## Cloud SDK

### Overview

Reason's cloud API provides companies with the ability to integrate services to protect users from adware using a distributed and flexible architecture and implementation, based on open standard web protocols that can be used in any kind of solution, including desktop/mobile applications, network-filtering software, and gateways.

With hundreds of API calls available, your software can get real-time results from everything from file analysis to URL analysis and most things in between. By leveraging the cloud API you can integrate our offerings in nearly any platform without the dependence on additional software.

### How to Leverage the Cloud API

Working with the Cloud API is very easy and currently utilizes REST as the underlying communication standard. By posing a REST-based POST or GET, depending on the endpoint requirements, all request return JSON object responses. All requests require a premium licensed API key.

# 02.

## Data Types

### What Type of Data is Available?

The Reason Cloud API lets you query for adware, PUP and malware determination details on given files and other objects, upload and scan files, submit and scan URLs, query browser Extensions, query Windows programs and obtain extensive metadata on files.

For example, you could query the status of a given file by sending in the file's unique hash (SHA1 or SHA256). The API will return a JSON object with details about the file.

#### Request:

```
https://api.reasonsecurity.com/private/rest/v1/determinations/lookup.ashx?apikey=1111-1111-1111-1111&sha1=11111111111111111111111111111111
```

#### Response:

```
{
  "determination_positive": "True",
  "determination_name": "Adware.Generic",
  "determination_risk": "Medium",
  "determination_category": "Adware",
  "determination_pointers": "3",
  "determination_confidence": "100"
}
```

## 03.

### Determination/Scan APIs

- Files based on hash - retrieve file determinations based on a file's SHA1 or SHA256 hash
- Files based on binary upload - retrieve file determinations by uploading a binary
- URLs
- Domains
- IP Addresses
- Chrome Extensions
- Firefox Plugins

## 04.

### About

#### About Reason Software Company

With a very strong desire to change the way the anti-virus industry has been operating for the last 30 years, we bring a revolutionary approach to threat detection. By leveraging cloud computing and big data analytics, we provide PC users with the fastest and most accurate protection available on the market today. Our Cloud API is designed to work alongside traditional anti-virus products and attack threats that most AVs don't touch.

Since 2012, Reason has brought our unique approach to design and development with other amazing products, including Boost and the award winning Should I Remove It?, serving tens of millions of happy users. Reason products have been featured by CNET, PCWorld, The Next Web, Discovery Channel, Kim Komando, USA Today and hundreds of other media outlets and blogs.

## 05.

### Contact

#### How to Contact Reason's Cloud API Group

**Phone:**

646-664-1038 ext 600

**Email:**

oems@builtwithreason.com

**Address:**

Reason Software Company Inc.  
228 Park Ave S #74122  
New York, NY 10003-1502