

AUC AVIRA URL CLOUD

API to uncover and protect
against malicious websites

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The **Avira URL Cloud** is part of Avira's award-winning anti-malware solutions; categorizing and identifying websites and URLs that pose a threat to Internet users.

Avira's URL Cloud integrates into your security solution using a simple RESTful JSON API. It allows you to receive classification data on websites identifying malicious content in the moments between clicking a link and arrival on that site. Avira URL Cloud protects you and your clients without interfering with the web browsing experience.

The Avira URL Cloud categorizes more than 200,000 new URLs daily, using a variety of sources including honeypots, industry partners, enquiries from Avira's global sensor network, and the source address of malicious binaries reported by the Avira Protection Cloud. Hundreds of millions of URLs are already classified as containing malware, phishing, malicious search engines, or Potentially Unwanted Applications (PUA). Over its operational life, the Avira URL Cloud has already responded to billions of enquiries.



KEY FEATURES:

- Simple to deploy as part of your service offering
- Fault tolerant and highly available hosting by AWS
- Anonymized data transfer
- Multiple language support
- Secured communication with HTTPS
- Local caching of whitelists and exception lists for high performance
- RESTful JSON API allows for integration with any OS or platform e.g.
 - Ideal for
 - Windows, Mac and mobile clients
 - Security as a Service
 - Firewalls
 - Email scanning

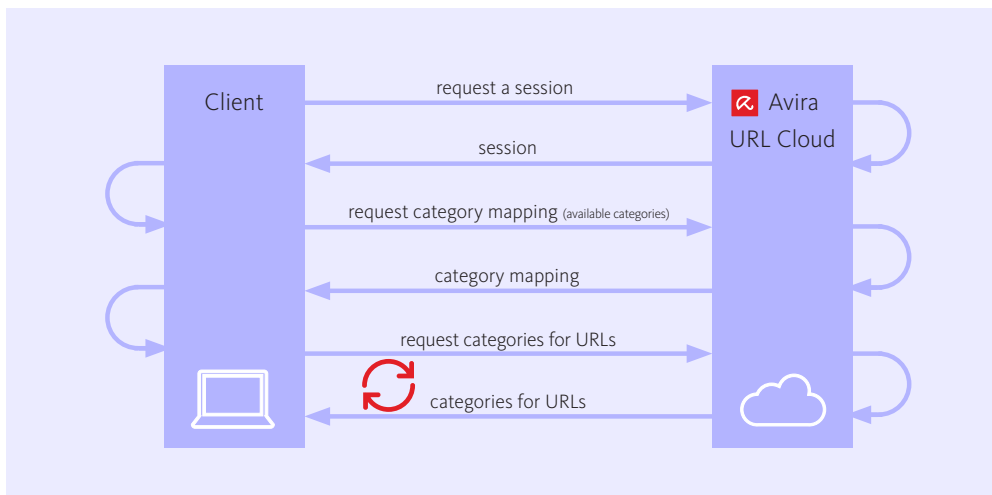
Integration

Delivered as a globally distributed web service, **Avira URL Cloud** provides the categorization of URLs via a RESTful JSON API over an HTTPS connection. The client device submits one or more URLs to the service and receives back a report that the URL is either blacklisted (it contains Malware, Phishing or Spam), that it contains Potentially Unwanted Applications or Potentially Malicious Search Engines, or that the URL is clean and safe.

In order to communicate to the Avira URL Cloud, the client first submits its Avira API key to the service for authentication, and then sends the requested URL with a request in one of the supported languages



To maximise efficiency the Avira URL Cloud can deliver white-lists and exception-lists to cache within the client device or privately hosted cloud security service. Caching domains (and all their sub-domains) that are known to be clean avoids queries being forwarded to the Avira URL Cloud unnecessarily, delivering the most cost-effective performance.



Specifications

- **Size:**
> 8TB memory
~1000 CPU cores
- **Performance:**
Typical response time 10mS
- **Supported OS:**
Any (through API)
- **Connection:**
HTTPS
- **Maximum Request Size:**
96kB
- **Categorisation:**
Safe
Malware
Spam
PUA
Potentially malicious search engine
Phishing
- **Caching:**
Whitelist
Exception list

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