DEEP SECURE

Deep Secure Threat Removal as a Service

Cloud-based threat removal service

Cloud-based threat-removal service

Data – documents and images – is the preferred carrier for every conceivable kind of evasive and zero-day threat. To-date the remedy has been detection-based anti-virus (AV) tools but they are trivially easy for cyber criminals to evade. It's time to retire AV and find a better way.
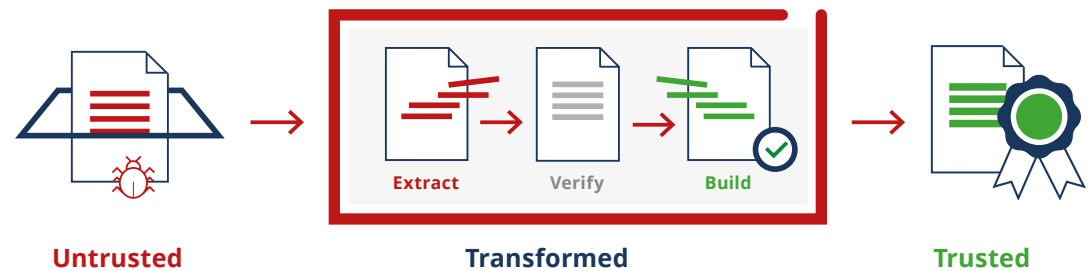
Threat Removal as a Service (TRaaS) is the cloud-based service for any workflow or application that needs to take data, documents and images from an untrusted source and transform it into 100% threat-free content. Accessed via an API, there's no scanning, no sandboxing and no waiting. TRaaS is the fast and foolproof way to guarantee business information is free of known, evasive, zero-day and even unknown threats.

How Threat Removal Works

Hand us a piece of data – a document or an image – from an untrusted source. We transform it, extracting only the useful business information from it. We discard the original and hand a brand new one back to you!

Nothing travels end-to-end through this process but safe data. Documents are transformed in seconds and the result is pixel perfect, fully revisable data, but without the threats.

A unique process ensures NO threats in the content

Untrusted   Transformed   Trusted

Extract   Verify   Build

Use Cases:

TRaaS is suited to a range of applications and workflows including data migration projects, digital transformations, "cloud first" initiatives and a wide range of Internet-facing business applications and portals.
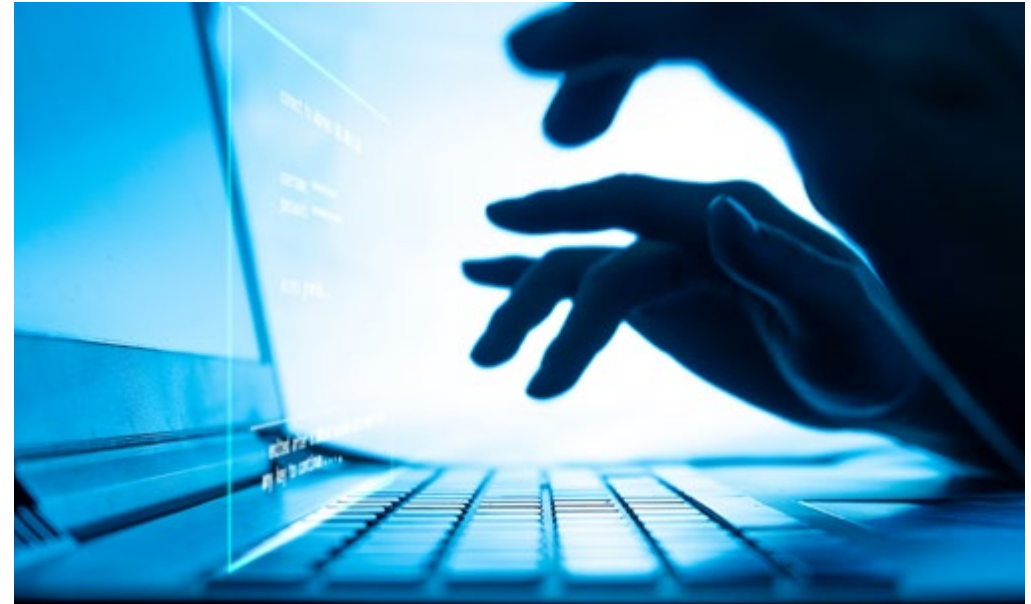
Choice of API

Developers have a choice of 3 cloud API variants.

- The Instant API enables simple uploading and immediate downloading, doesn't require any additional infrastructure and is suitable for files that are under 5MB.

- The Async API supports file sizes up to 250MB. It enables large files to be processed and allows more advanced scenarios such as uploading from one system and then downloading the safe documents from a separate system.

- The S3 API lets us pull and push data from and to your S3 buckets. Just tell us how to access them, and we'll do the rest. You can set it up so that processing happens automatically whenever items are added to a bucket. The S3 API is an excellent fit for event driven workflows. You can submit large files, and have the new files uploaded to a separate bucket, which could even be in a separate AWS account.

Reliability and Availability

TRaaS runs in Amazon AWS, ensuring industry-leading 99.95% reliability levels. Your data stays within the AWS region of the API you select, enabling you to control cost, latency and data residency.

Privacy

TRaaS keeps data completely private. With the Threat Removal Instant and S3 APIs digital data is not stored in the cloud at all. The Async API is designed to process more complex documents and images that may take minutes to process. Using this API files are temporarily stored in Deep Secure's Amazon S3 infrastructure using KMS to ensure privacy.

Features and Benefits

TRaaS guarantees safe data, 100% free from known, zero-day, evasive and even completely undetectable exploits such as those concealed in images using steganography.

Threat Removal

Guaranteed Safe   **Pixel perfect content**   **Minimal overhead**

The service currently supports OfficeX, PDF and images files, ensuring digitally pure documents and images for your applications and workflows.

- **No setup**
  Cloud-based API means you can be up and running in a matter of seconds.

- **No upfront costs**
  No CAPEX spend, no hardware cost or depreciation.

- **Zero maintenance**
  No patches, maintenance or upgrades.

- **Pay as you use**
  Consumption-based pricing means you only pay for what you need.

- **Limitless scalability**
  Designed around AWS Lambda serverless computing and microservices – for any threat removal task from an occasional upload to bulk processing of many thousands of files.

The TRaaS developer APIs are available via the Deep Secure Threat Removal Developer Portal. Contact info@deep-secure.com for more information.