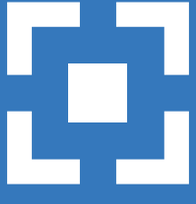
SecureAge



CatchPulse

Intuitive application control

Layers of Essential Security

CatchPulse is the right combination of threat detection, control, and insight to protect enterprise endpoints against multiple attack vectors - known, unknown, and unknown unknowns, regardless if it is file-based or file-less, internal or external.

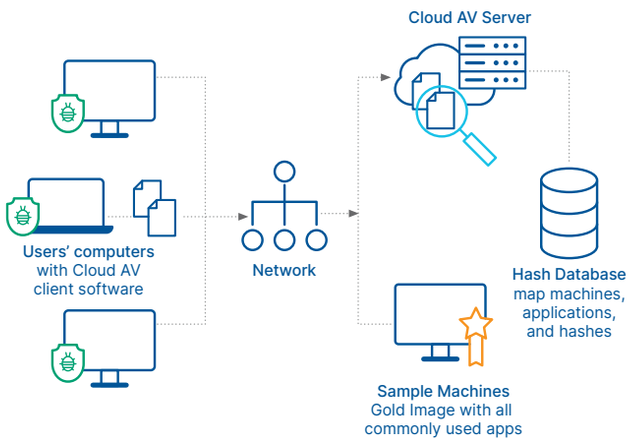
Cloud AV

Detection with Antimalware Engines in the Cloud

No single anti-virus engine is capable of detecting anywhere close to 100% of every threat and certainly, none of them are created equally with some better at detecting certain types of threats.

Cloud AV combines multiple anti-virus engines to scan files to enjoy a higher detection rate normally not possible with traditional anti-virus at any given time. It does all this in the cloud so that it doesn't consume local resources for scanning and leaving your endpoint with options to use an existing local anti-virus engine.

The combined diagnosis serves as critical intelligence for real-time protection and making decisive choices for Application Control.



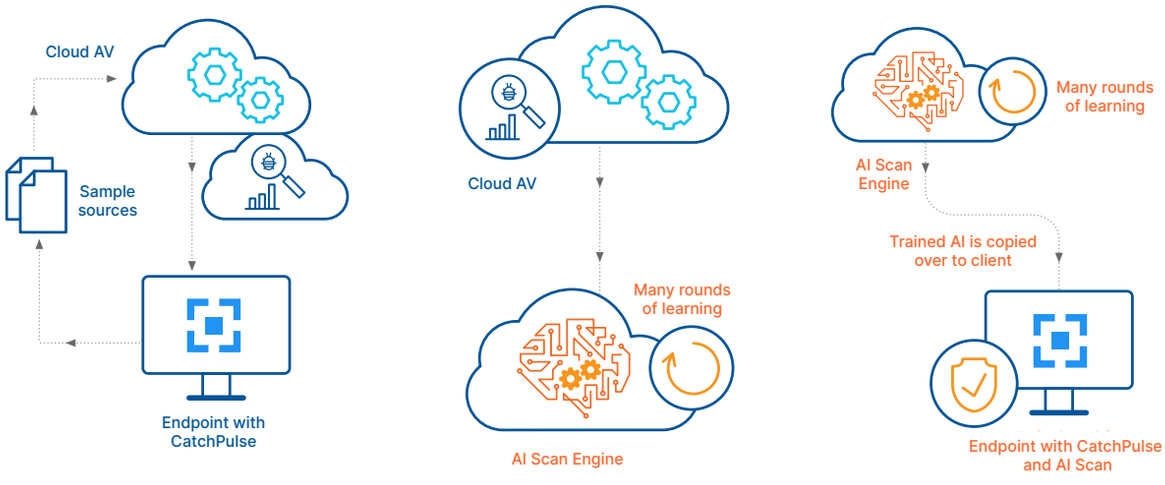
Combine diagnosis from multiple AV engines	Detected threats are diagnosed by more than a single AV to provide for at least a second opinion for every scan.
Scanning technology in the cloud	Maintain peak endpoint hardware performance by delegating scanning processes in the cloud.
Fast full system scans	Automatically done on a regular basis as well as easily accessible within a few clicks and completes its scanning cycle quickly.
A scan for every situation	Fast full system scans upon booting and on regular intervals, On-Demand scans allow users to check any file at any time, while real-time scans defend against potential threats that enter your system.
Configurable scan settings	Enable or disable certain scan options, exclude sensitive folders from scanning in the cloud, set file upload size limits, and more.
Compatibility with offline solutions	With scanning processes in the cloud, endpoints have the option of making use of existing or future third-party offline scanning solutions without compatibility issues.

AI-powered Malware Scanner
Zero-Day Threat Detection

As more and more threats are mutating into advanced forms at an alarmingly rate, solely relying on traditional detection technologies that are designed to identify existing threats leaves endpoints very vulnerable to zero-day and mutated malware attacks.

The AI-powered scan harnesses the power of artificial intelligence (AI) with deep learning to take on the threats of today and tomorrow.

Leveraging on the power of big data, the AI-powered scan engine goes beyond traditional scanners by effectively and reliably spotting malicious patterns to efficiently allow for quick decisions based on prior experience. It can adaptively update its knowledge against newer and unseen malware variants that may attempt to infect endpoints during an outbreak.



Two-pronged approach to detection	AI Scan complements contemporary and traditional scanning technologies like the Cloud AV to effectively cover known and unknown malware variants.
Deep Learning technology	Able to identify threats without using signature-based techniques, instead, relying on previously learned data to identify threats.
Improvements via training	Leveraging cloud technology to train with massive amounts of data ensures that the engine is updated with trained versions resulting in a smaller file footprint when compared to traditional virus signatures.
Offline operation	Trained and stored locally to allow it to operate without relying on an internet connection to be able to detect the latest threats.
Compatible with other scanning technology	Works alongside the Cloud AV and/or other offline third-party Antimalware engines.

Application Control & Allowlisting

Intuitively block-first and deny-by-default

With close to a million new variants of malware created each day, traditional anti-virus solutions struggle to detect these threats upon their initial release in the wild. Making matters worse, advanced forms of malware adapt against established security measures, giving them a step ahead of and are nigh undetectable by any available anti-virus in the market.

Application Control & Allowlisting puts you ahead of the curve by implementing security-by-design. The block-first approach ensures any file that is still not trusted can do no harm until they are identified and cleared for launch. It stops advanced and zero-day malware on its tracks and puts you, not the malware, in control every time.

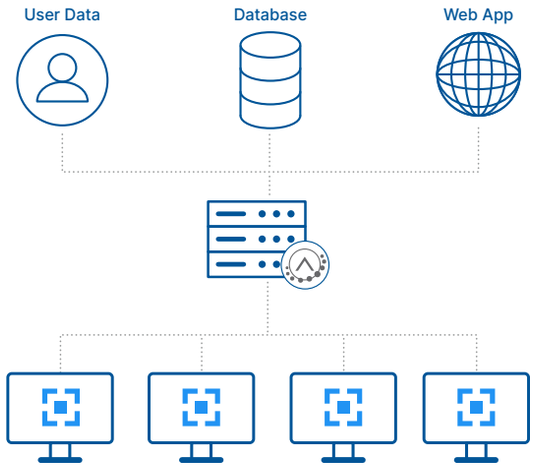
Ease of allowlist creation	Install on an endpoint to create the initial allowlist using a strong cryptographic hash function.
Import & export allowlist	Export the allowlist from a baseline machine for deployment of the secured allowlist on other endpoints in the organization.
A mode for Privileged & Non-Privileged users	Interactive mode lets you update allowlists on-the-fly while Lockdown mode limits non-privileged users from launching non-trusted files.
Advanced modes for situational uses	Trust All, Observation, and Silent Mode to cater usage on controlled environments.
Defend against wider attack vectors	Coverage against portable executable, malicious scripts, and fileless attacks with command line rules.
Reliable intelligence	Highlight blocked threats with supporting intelligence from multiple detection sources to allow informed decisions when adding non-trusted files to the allowlist.
Notifications at a glance	Easily discern relevant information with the use of severity levels with any blocked file or application while getting notifications in Interactive Mode.
Contextual Actions	Block or trust a non-trusted file while options for deleting or quarantine are available when a threat is detected.
Online & offline operation	Application Control & Allowlisting works locally on every endpoint regardless of internet or network connectivity.

Large-Scale Centralized Security Management

For larger deployments on enterprise, endpoints normally number in the hundreds and even thousands. Scaling the benefits of application control and allowlisting while making it manageable at all times is a crucial requirement that needs to be addressed to successfully deploy CatchPulse.

The Security Management Server (SMS) allows IT administrators to easily monitor, update, and push approved allowlists across large numbers of endpoints to ensure minimal downtime and maximum productivity.

It takes advantage of either commercial grade hardware or a virtual machine in the cloud to implement advanced security controls that help administrators facilitate application control and allowlisting as well as other data security functions*.



*Works with SecureAge Suite solutions for integration of other data security features such as encryption

Mass deployment & activation	Easily install CatchPulse en masse to enterprise endpoints by pushing an approved allowlist to newly deployed devices.
Web console user interface	Administrator access via a dedicated web portal to manage CatchPulse security on any machine connected to the network.
Allowlist Management	Ensures standardized client system configurations by managing and enforcing a allowlist to allow only trusted and authorized applications to run on endpoints.
Blocklist Management	Allows for enhanced malware by building and filtering a blocklist of unwanted or unauthorized applications.
Request Allowlist Approval System	IT Administrators can remotely respond to requests by non-privileged users in Lockdown mode to add an unauthorized application to the allowlist.
Software update push controls	Push installation of CatchPulse software updates to particular groups or endpoint devices.

Other Key CatchPulse Features

Complementing the core protection features of Application Control & Allowlisting, Cloud AV, and the AI Scan engine, CatchPulse has additional features that further enhance enterprise endpoint security.

Command line rules	Extend allowlisting security coverage against fileless attacks with the inclusion of an initial set of rules that are easily customizable and expandable.
Email alerts & infection reports	Get immediate email alerts with detailed infection reports through email whenever an endpoint is detected to be infected. With Cloud AV's 24/7 scanning in the cloud, IT administrators are notified even if the infected endpoint is turned off.
USB storage device access control	Control how external USB storage devices are treated by default upon insertion to endpoints. It features controls to allow or disable read and/or write access as well as allowlisting storage devices.
Password protected settings	Prevent unauthorized tampering of CatchPulse settings through a password.

Technical Specifications

Hardware Requirements:

- 2 GHz Pentium 4 or higher
- 1GB of RAM or as recommended by installed Windows OS (whichever is higher)
- 300 MB hard disk free space or more
- Local hard disk formatted to NTFS
- Minimum screen resolution: 1024×768 (at 100% scale)

Supported Operating Systems:

- Windows 11 (64-bit)
- Windows 10 (32-bit & 64-bit)
- Windows 8.1 (32-bit & 64-bit)
- Windows 8 (32-bit & 64-bit)
- Windows 7 Home Basic (32-bit & 64-bit) and above
- Windows XP SP3 (32-bit & 64-bit)^
- Windows Vista SP2 and above (32-bit & 64-bit)
- Windows 2019 (64-bit)
- Windows Server 2016 (64-bit)
- Windows Server R2 2012 (64-bit)
- Windows Server 2012 (64-bit)
- Windows Server 2008 R2 & above (64-bit)
- Windows Server 2008 SP1 & above (32-bit & 64-bit)
- Windows Server 2003 R2 SP1 & above (32-bit & 64-bit)^

^Command Line Rules and AI Scan engine are not compatible with these versions of Windows