

VOTIRO CLOUD

BEST IN CLASS PROTECTION AGAINST
RANSOMWARE, MALWARE AND
UNDISCLOSED ATTACKS FOR THE
BANKING SECTOR

VOTIRO 



“It’s the only solution we could trust with certainty. Votiro Cloud was the only solution that met all our needs.”

400+ customers
worldwide

SONY



FE Fuji Electric

M **MOTOROLA**

SIEMENS

NEC

NTT DATA





ELIMINATING MALWARE FROM COMMON FILE TYPES

CYBERSECURITY LANDSCAPE

Financial services organisations are consistently in the top three industries targeted by cyber-criminals. Unknowingly, consumers are the most common source of ransomware and other malware, with Microsoft Office files having the highest risk of embedded malicious code.

With the number of malware variants rising every year, all it takes is one successful attack to bring down an entire platform and ruin a reputation.

CUSTOMER PROFILE

Our client is a US-based consumer lending organisation, offering a range of personal loans, car financing and credit card services.



Over 1 million borrowers



80,000 loans processed annually



Over \$6 billion loaned



3,000 documents shared daily

DATA SECURITY CHALLENGE

With more than 300 loan applications processed every day, the sheer volume of documents being sent, received and circulated represents a security risk.

Whilst MS Office documents are common, prospective customers also send PDF and image files to support their applications.

The impact of a successful attack could be catastrophic, with the average cost of a breach in the financial services sector rising to \$5.8million, with a life cycle of 233 days.

Microsoft Office files (Word, PowerPoint and Excel) constitute the most prevalent group of file extensions; accounting for 38% of infected files.

Our client was looking for a robust solution that addressed the traditional weaknesses of anti-virus, sandbox and file sanitisation alternatives.

With a dynamic and evolving threat landscape, it was essential that the chosen technology could provide protection against unknown and zero-day attacks.





EVALUATING THE ALTERNATIVES

With such a diverse group of contributors, the chosen solution would need to offer the broadest range of file security; capable of sanitising more than simple word documents or PDF files.

Importantly, files would need to be sanitised as they arrived from a variety of channels - via the web, as email attachments and even on physical USB devices.

Sandboxing, anti-virus and other legacy prevention technologies were not fit for purpose. Reliant as they are on threats being previously known, they do not provide protection against signature-less, zero-day or undisclosed attacks.

“A high success rate for sanitisation was essential, but it was also important to retain all the original functionality of the files. We didn’t want to just end up with a flattened version of the original.”

With more than 3,000 documents being processed daily, it was also important that security didn’t come at the cost of efficiency. Our client was seeking a low-latency solution that would not disrupt day-to-day work flows.

POSITIVE SELECTION TECHNOLOGY

For decades, we've relied on predictive analytics to detect and block malicious files. But predicting threats based on historical data is by definition imperfect. Even 99% accuracy guarantees 100% chance of attack.

To be fully protected we can't just improve our predictions or threat detection. We need an entirely new approach.

Positive Selection

Keeping only what belongs instead of searching for what doesn't.

Unlike detection-based file security solutions that scan for suspicious elements and block some malicious files, Positive Selection singles out only the safe elements of each file, ensuring every file that enters your organisation is 100% safe.





VOTIRO SECURE FILE GATEWAY

Votiro Cloud is an award-winning cybersecurity solution that is used to secure all gateways of incoming and intra-organisation data. It can be deployed across email, web, file-sharing, FTP and portable device infrastructure, and across applications using the Votiro API.

Votiro leverages patented technology to deconstruct, analyse, disarm and reconstruct files. A proactive, signature-less technology, Votiro provides protection against the most advanced and persistent forms of cyber-attack.

Unlike traditional antivirus and sandbox tools, Votiro is equally effective against undisclosed and zero-day attacks as it is against known threats.

Whilst security was a primary concern, it was important that the solution did not have an adverse impact on user experience and systems' performance.

Votiro delivers high-speed, low-latency content sanitisation. It is designed to provide frictionless security for large volumes of content moving into and within large organisations.



ABOUT VOTIRO

Established in 2010 by a team of senior cybersecurity experts, Votiro develops and licenses Votiro Cloud, a security solution based on award-winning, patented technology. With the aim of securing organisations throughout their digital transformation, Votiro is committed to allowing the safe and free use of data, with full protection against unknown threats.

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