



THE BSPP FIREMAN'S BRIGADE PROTECTS ITSELF AGAINST CYBER ATTACKS WITH THE VADE SECURE CLOUD

In order to strengthen the protection of its emails, a communications and management tool in which tracing these exchanges is particularly targeted by cyber attacks, **BSPP chose the Vade Secure Cloud solution.**

IN SUMMARY

Given the growth of IT attacks which constantly target these emails, the BSPP has decided to reinforce its protection. It has chosen Vade Secure Cloud's heuristic filtering solution as the first security barrier for incoming and outgoing emails. Result: no attacks have been experienced by the fire department since then, and the users benefit from improved email service thanks to classification of their emails.

ISSUES

Management and proper function of emails at the BSPP is one of the significant missions of the "information network" group. There are altogether 8,842 email boxes supervised and protected by technicians, where continuous performance must be ensured. The BSPP has been receiving attacks more frequently, and more targeted as well. It has therefore become essential to strengthen email protection, knowing that BSPP is involved in sensitive areas. *"In particular, we secure the platform which receives '18' and '112' emergency calls coming from Paris and the three départements surrounding it (Hauts-de-Seine, Seine-Saint-Denis and Val-de-Marne),"* says François Tailhades, Manager of the BSPP information systems Security Administrators. *"We could not allow being blocked by an attack coming from an email,"*

SOLUTION

BSPP's anti-spam equipment came to the end of its maintenance life at the end of 2015. They wished to change their solution with a goal of getting rid of part of the operations, especially equipment, related to the previous solution. The answer was to use the heuristic filtering solutions of Vade Secure and its Cloud solution.

"We needed to implement an efficient, rapid solution which performed particularly well against targeted attacks. Vade Secure's cloud method allowed us to deploy the platform in one week, and thus to ensure continuous protection of our emails", François Tailhades said.

"Another advantage of cloud protection: no maintenance or patches to upload; it is always up-to-date, and my team is available to perform other tasks," Tailhades added.

Positioned upstream of the servers, Vade Secure acts as a first barrier, securing all the entering and exiting emails, in addition to the existing anti-viral solutions at the BSPP which protect the email servers and workstations.

Vade Secure's exclusive filtering technology is based on a heuristic method and a complex rules-based system, derived from a deep analysis of all

REASONS TO CHOOSE VADE SECURE

- ✓ Solution performance, confirmed during testing
- ✓ Simplicity to implement and use
- Financial and operational benefits due to
- ✓ Cloud use
- Update the filter in real-time for
- ✓ maximum and permanent protection
- Solution approved by UGAP
- ✓

MAIN BENEFITS FOR THE BSPP



Increased email security:

BSPP is protected against all forms of email attacks: malware, ransomware, phishing, spear phishing, zero-day.



A user experience which optimizes productivity:

Vade Secure Cloud eliminates or automatically separates undesired emails, newsletters and other advertising emails (graymail).



The image of the Paris fire department is preserved:

the BSPP is protected against spoofing its identity by hackers.

message components (header, text body, html, attached items, etc.). It thus provides a very high blockage level against malicious emails, and is efficient even against multi-shaped or zero-day attacks.

BSPP also has many innovations in the analysis of email behavior, especially against spear-phishing:

- Detection of spoofing by verifying senders' identities.
- Verification that sensitive information (bank, etc.) is not requested.
- "Time of Click" technology which confirms the validity and legitimate nature of the URL: very useful, given the number of emails which include redirection links to malicious sites, for example.

Since 2017, the firemen have integrated additional secure unsubscribing functionalities for newsletters using 1 click and for the users to directly quarantine suspicious emails.

RESULTS

In one year, the filter detected 48% of legitimate emails, 30% of spam and 20% of viruses, the remaining 2% registered on a white list or a blacklist. Filtering performed by the platform has authorized 63% of these emails, automatically blocked 14%, and retained 22% for additional analysis (automatic quarantine, or quarantine initiated by the users).

In the past two years, the fire department has avoided any and all ransomware. The firemen have benefited from high-performance email services, unpolluted and uncompromised, which has allowed them to focus on their jobs.



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“Today we have a platform which is very easy to use, and easy to manage because it uses no on-premise equipment. The results are excellent. For example: no Locky has been able to pass through our filters. In addition to the security aspect which we are managing perfectly today, Vade Secure also works on performance, thanks to its management functions and email classification, identifying in particular the many illegitimate emails.”

François Tailhades