



# Cloudmark Security Platform for Email Release 5.8.1 Announcement

24<sup>th</sup> October, 2022.

Proofpoint's Cloudmark team is pleased to announce a significant and highly beneficial upgrade to the Cloudmark Security Platform for Email, release version 5.8.1. This major new release pulls together significant resource and development investment plus novel technology advances leveraging 60-years of combined staff messaging experience from the development team ensuring that Proofpoint's threat protection continues to lead the market by a wide margin in both performance and feature functionality.

The Cloudmark Security Platform for Email is the fundamental underpinning of the Proofpoint threat protection for email systems at both ISPs and hosting providers globally. Cloudmark is proud to release this version as it represents a monumental advancement in functionality and performance while also easing deployment and ongoing platform management. This upgrade leverages years of research and the robust investment in the Cloudmark technology since Proofpoint acquired the Cloudmark business five (5) years ago.

This release of the Cloudmark Security Platform for Email contains valuable new features to aid internet service providers and other email providers in deploying and maintaining secure, safe, and efficient email services for their end customers.

### **Key High-Level Benefits**

The CSP for Email 5.8.1 release contains over thirty (30) new features and enhancements. These additions and improvements provide:

- Significant performance increases, averaging upwards of 60% increases in message processing on given hardware systems
- Reduced hardware footprint/instance requirements for the same functionality by an average of approximately 80%
- Ease of management of asynchronous workflows
- Better, more efficient resource management including memory management and processing

Key functionality enhancements will be outlined in this announcement. For a full and complete description of all changes, please see the Release notes available from your Cloudmark Support representative at: [cm\\_support@proofpoint.com](mailto:cm_support@proofpoint.com)

### **Performance Improvements with SMTP Workflows and Multi-Threading**

Taking full advantage of the latest technologies, this release will allow multiple SMTP requests to be serviced concurrently on different threads. This dramatically improves the overall performance of the Cloudmark Security Platform for Email release 5.8.1. Testing of real-world deployments of the release have produced performance improvements leading to an 81% average reduction in hardware infrastructure.

Specific performance results and actual experience will be dependent on the complexity of the customer policy being utilized and the number of cores in use in the deployment configuration. For example, more complex Cloudmark Security Platform for Email policies will experience better improvements.

### **Support for OAuth 2.0**

The addition of OAuth 2.0 to the Cloudmark Security Platform 5.8.1 adds this newly agreed industry-standard protocol for authorization. OAuth 2.0 targets simplicity and continues to expand the compatibility and interworking of the platform. OAuth 2.0 is similar to xoauth2 and the implementation follows RFC-7628.

## **New BIMI Verify Application**

Cloudmark Security Platform 5.8.1 leads the market with support and compliance for Brand Indicators for Messaging Identification or BIMI. BIMI compliance is delivered through the addition of a new application to the Cloudmark Security Platform for Email, the BIMI Verify Application. This application leverages the organization's investment in DMARC and verifies incoming emails for BIMI related information prior to delivering to the mail store. If BIMI is supported for the incoming email message, the Mail User Agent (MUA) will be able to display an appropriate domain-based logo with the email, for example a brand logo for email sent from an enterprise.

## **Asynchronous Start/Stop of Applications**

This release enables the Cloudmark Security Platform for Email to start and stop all applications in the background. This powerful enhancement provides better and more efficient operation by improving the handling of additional application calls that may fail while the application is starting or launching.

Since application calls from the policy may fail while an application is starting, a new workflow condition that the application is running has been added. Use this condition in the policy to check the application status before calling it.

## **TLS Support in MySQL Query**

With the release 5.8.1, SSL can be enabled for MySQL queries. This adds a new level of security and encryption for the queries. Please note that the level of security is dependent on the OS library utilized in the deployment.

## **New SMTP Routing Advanced Parameter**

Overhead from malicious domains can lead to excessive memory and storage requirements within the system. The Cloudmark Security Platform for Email release 5.8.1 allows the operator to set a maximum number of IP addresses to keep and store when resolving emails to IP addresses for delivery. This new capability addresses the possibility of excessive usage by providing an upper limit on the IP addresses stored.

## **Final Statements**

Proofpoint is excited to announce and make available to customers, Cloudmark Security Platform for Email release version 5.8.1. Utilizing a straightforward upgrade path and leveraging enhanced management capabilities, most customers will be able to seamlessly take advantage of this new release. This release will enhance customer experience with the platform and enable for better service to their end email customers. For a full and complete description of all changes, please see the Release notes available from your Cloudmark Support representative at: [cm\\_support@proofpoint.com](mailto:cm_support@proofpoint.com)