

Global 50 Bank Undergoing Digital Transformation Secures Containers with Illumio

Multinational bank addresses the need for speed while maintaining competitive business advantages.

SUMMARY

Industry: Financial Services

Environment: Greenfield data center supporting new containerized applications

Challenge: Launching applications with baked-in security including automation needs for container support

Solution: Illumio's Adaptive Security Platform® (ASP) enabled new applications, both containerized and non-containerized, to be launched with baked-in security segmentation

Benefits: Secure applications across environments that maintain the speed required for a competitive business edge

Customer Overview & Challenge

One of the world's largest multinational banks sought to transform new and re-platformed application deployments when it became clear that its legacy infrastructure was perpetuating security debt. The organization's go-forward strategy meant all new applications and new versions of older applications would launch ringfenced, with segmentation baked in at deployment.

However, technology options decreased as software-defined networking failed to live up to its promises and did not solve the organization's long-term heterogeneity problems (containers and public cloud). New applications were launching, but still without segmentation – compounding the problem the bank aimed to resolve.



As the issue persisted with a new data center, which had been justified based on improved security, the pressure for segmentation grew because enhanced security was one of the justifications of the new data center. Open banking standards required the bank to rapidly create new applications in order to maintain its competitiveness. The organization had built a fully automated self-service portal for developers that could not be used because automated segmentation was not in place. The bank needed a highly automated solution that supported digital transformation. Now under pressure from the application teams, the security, cloud, and containers teams were strongly aligned to deliver a solution that met the needs of the business.

Illumio Solution

Frustrated by waiting for effective segmentation from networking vendors that didn't deliver, the bank was ready for a solution that worked. They decided to decouple segmentation – security segmentation – from the network.

The bank selected Illumio ASP for its intuitive policy model design, effective enforcement, and easy API integration for deployment. The team was able to quickly integrate Illumio ASP into its automation framework, including the self-service portal. Now every time a new version of an application is launched in its new data center, the application is ringfenced with Illumio.

What's more, the bank's journey to digital transformation with containers has positioned the business's application speed for competitive success. As part of its early stage container initiative, the bank tried Docker Swarm, CaaS, and OpenShift, and needed a segmentation approach that supported them all. Illumio provided segmentation across all of the container platforms the bank tried, and offered consistent support to non-container environments. Within fourteen months, the bank had 1,000 hosts running tens of thousands of containers. The application teams can spin up workloads for applications in minutes and expose interfaces for use by other development teams.

“Illumio partnered with us to architect solutions together. Illumio ASP is simply part of our overall operational fabric.”

Customer Benefits

- **Secure environments automatically and at scale:** The bank went from zero ringfenced servers to 16,000 in about 18 months and zero to over 15,000 segmented workloads in their new data centers.
- **Get results for security – and the business:** The bank is rapidly replacing its old applications with new applications to maintain its competitiveness.
- **Be a security superhero:** The CISO is now well-positioned for success instead of responsible for a failed initiative. The security and cloud teams are aligned. Developers get workloads quickly. *“Teams are more successful and the proof is in the number of apps we have refactored. We have a partner to build our container cloud.”*

About Illumio

Follow Us



Illumio, the leader in micro-segmentation, prevents the spread of breaches inside data center and cloud environments. Enterprises such as Morgan Stanley, BNP Paribas, Salesforce, and Oracle NetSuite use Illumio to reduce cyber risk and achieve regulatory compliance. The Illumio Adaptive Security Platform uniquely protects critical information with real-time application dependency and vulnerability mapping coupled with micro-segmentation that works across any data center, public cloud, or hybrid cloud deployment on bare-metal, virtual machines, and containers. For more information about Illumio, visit www.illumio.com/what-we-do or follow [@Illumio](https://twitter.com/Illumio).

- [Engage with Illumio on Twitter](#)
- [Follow Illumio on LinkedIn](#)
- [Like Illumio on Facebook](#)
- [Subscribe to the Illumio YouTube Channel](#)

Illumio, Inc. 920 De Guigne Drive, Sunnyvale, CA 94085 Tel (669) 800-5000 www.illumio.com

Copyright © 2019 Illumio, Inc. All rights reserved. This document is protected by U.S. and international copyright and intellectual property laws. Illumio's products and services are protected by one or more U.S. and international patents listed at <https://www.illumio.com/patents>. Illumio® is a trademark or registered trademark of Illumio, Inc. or its affiliates in the U.S. and other countries. To review a list of Illumio's trademarks, go to <https://www.illumio.com/trademarks>. Third-party trademarks mentioned in this document are the property of their respective owners.