

How a Top U.S. National Bank Secures its Mobile Devices with Lookout



The challenge

As one of the leading financial institutions in the world, this large bank had a robust cybersecurity strategy in place to protect its more than 66 million customers and \$2.3 trillion in managed assets. The bank’s enormous size made it challenging but imperative to stay ahead of the ever-evolving mobile threat landscape and remain compliant with industry regulations.

In early 2018, the bank identified a major shortcoming in its cybersecurity system. While the organization had comprehensive perimeter security and cloud and mobile device management capabilities, it didn’t have a mobile endpoint solution in place to combat increasingly sophisticated mobile threats. And with a workforce of almost a quarter-million employees, the bank needed a solution that they could customize to its needs and deploy quickly at scale.



Customer profile:

The bank is the second largest financial institution in the United States over 66 million consumer and small business clients and holds \$2.3 trillion in managed assets.

The company serves clients in more than 35 countries and is a global leader in wealth management, corporate and investment banking and trading.

Industry: Financial Services

Employees: 200,000+

The solution:

Lookout Mobile Endpoint Security

The results:

- Lookout met the bank’s regulatory and security requirements
- The bank rapidly deployed Lookout to tens of thousands of devices
- Lookout detected nearly 4000 threats within the first six-months, enabling the bank to manage threats they didn’t have visibility into before.

The solution

After evaluating several mobile threat defense solutions, including SEP Mobile, which was offered by its incumbent fixed-endpoint protection provider Symantec, the bank decided to partner with Lookout to address its mobile endpoint security requirements. Lookout proved to have the most reliable and comprehensive mobile security platform to address the company's complex internal security needs and regulatory requirements. In addition, Lookout demonstrated a willingness to customize its offering to address requirements that are unique to one of the world's largest banks.

With Lookout Mobile Endpoint Security (MES), this large bank was looking at the leader in mobile security. Lookout has the capability to automatically identify threats that would otherwise escape human analysis thanks to its data telemetry of over 100 million analyzed mobile applications. As an institution with thousands of devices and millions of customers, Lookout MES empowers the bank to be able to manage and eliminate cyberthreats quickly and thoroughly. And with a network of over 180 million sensors worldwide that continuously captures new codes, the Lookout machine intelligence is built to keep up with the ever-evolving mobile threat landscape.

But the bank needed more than advanced threat defense capabilities. It had to make sure that the new security solution could smoothly integrate with its existing systems. Lookout MES integration with leading MDM and security information and event management (SIEM) systems became really important.

Lookout helped implement a hardware security module (HSM) and made sure the bank's MDM, SIEM, and the MES Console uses it. An HSM is a physical server plugin card that safeguards Lookout private digital key and sign certificate requests, which is a FIPS 140-2 level 3 compliance requirement. Lookout also isolated the bank's datastore,

deployed TLS 1.2 encryption, and implemented a highly sophisticated key management solution.

The results

Between 2018 and 2019, the bank rapidly activated 40,000 devices. Within six months of the phased deployment, Lookout identified nearly 4,000 threats. This top US national bank began 2018 with a mobile security problem. By the end of 2019, the bank had a mobile endpoint security solution that protected against the latest mobile threats and provided full visibility into threats across its mobile fleet.

Lookout proved to be the best mobile threat defense platform available to secure this large bank because of its seamless integration and massive dataset. With Lookout MES in place, the bank is empowered to continue serving its millions of customers with the confidence that its security systems are adhering to regulatory requirements and keeping up with today's increasingly hostile cyber environment.

About Lookout

Lookout is a cybersecurity company for the post-perimeter, cloud-first, mobile-first world. Powered by the largest dataset of mobile code in existence, the Lookout Security Cloud provides visibility into the entire spectrum of mobile risk. Lookout is trusted by hundreds of millions of individual users, enterprises and government agencies and partners such as AT&T, Verizon, Vodafone, Microsoft, Apple and others. Headquartered in San Francisco, Lookout has offices in Amsterdam, Boston, London, Sydney, Tokyo, Toronto and Washington, D.C. To learn more, visit www.lookout.com and follow Lookout on its blog, LinkedIn, and Twitter.