

Company Snapshot

INDUSTRY

Global payroll, tax and HR services provider

ENVIRONMENT

55,000 employees worldwide

SOLUTIONS

Bromium® Advanced Endpoint Security

CHALLENGE

Change the security model from “reaction” to “prevention” and reduce the overall endpoint attack surface

BENEFITS

- Unique CPU-enforced isolation dramatically reduces the overall attack surface and offers superior protection that is independent of the OS
- Granular threat analytics provide deep visibility into attacks and can be used to protect the environment in a more timely fashion
- Incident response costs are reduced and security processes are streamlined, freeing up budget for other investments
- Fast, efficient enterprise-wide deployment that is totally seamless to the user

ADP: From Defend to Prevent

Established in 1949, ADP is one of the world’s largest human capital management service providers. ADP’s core solutions include payroll, HR and benefits, along with advanced tools for talent management, compensation and data analytics. In 2015, in the US alone, ADP managed payroll for 24 million workers; electronically moved \$1.7 trillion in client tax, direct deposit and related funds; and processed nearly 56 million W-2s. ADP is the top-ranked financial data services company in FORTUNE Magazine’s “The World’s Most Admired Companies, 2015.”

The challenge: protecting customer assets against complex, advanced attacks

ADP CSO Roland Cloutier, recognized by Security Magazine as one of the “Most Influential People in Security,” has a clear understanding of the challenges faced by enterprise security teams in today’s age of mobile, cloud and advanced cyber attacks. Cloutier’s chief mission is to defend ADP’s internal infrastructure and complex global cloud portal, which is accessed by 80 million people and 700,000 businesses.

At ADP, he feels that his primary responsibility is to enable his clients by delivering secure services, which will ultimately lead to business success for everyone. In light of today’s rapidly changing, complex threat environment, Cloutier says two things keep him up at night. One of his big concerns is getting

“true visibility and transparency across the enterprise and our client platforms to ensure that we have the appropriate defenses in place.” In addition, Cloutier wants to make sure that, if things do go wrong, he has the capabilities in place to respond to security incidents. His second concern is truly delivering on the promise of security. “I need to be confident about the efficacy of our controls and the extent to which I can provide consistent protection across the environment,” said the CSO.

These issues compelled Cloutier to launch a “Protect First” initiative, shifting the focus from reaction to prevention. One of his goals was to reduce the company’s attack surface, so Cloutier turned his attention to the endpoint: “It’s not just about Web traffic and browsers anymore. We needed to look at the volume of email

Case Study

“Bromium gave us everything we needed to leverage our resources across the organization and change our defensive posture so that we became more proactive and focused on prevention.”

“When you protect first you don’t have to respond. At the end of the day, you give time back to your organization so that they can focus on other things like hunting for threats. With Bromium we can investigate faster and use threat analytics to protect our environment in a more timely fashion and that is a big win.”

ROLAND CLOUTIER, CSO
ADP

we handle every day, along with all the unstructured data that flows through.” Cloutier needed an endpoint security solution that was operating system (OS) independent and had a high-usability quotient.

ADP leverages Bromium’s micro-virtualization technology and analytics

Cloutier felt strongly that he did not want to bog down users’ endpoints with more agent-based security software because of the management demands, the cost implications of constant security software updates and the potential impact on ADP’s support infrastructure. He chose Bromium Advanced Endpoint Security based on its proprietary micro-virtualization technology, which isolates tasks from the operating system in a micro-virtual machine (micro-VM) that is discarded when a task or operation is completed.

“When it came down to it, we found that micro-virtualization is the only technology that could consistently defend the OS because it isolates it from the rest of the PC environment,” affirmed Cloutier. Bromium provided ADP with an OS-independent solution that would reduce the endpoint attack surface significantly and, with analytics via Bromium Threat Analysis, would provide granular visibility into malware contained inside the micro-VM.

Top-down implementation

Bromium’s technical experts teamed up with Cloutier’s security staff to undertake a well-orchestrated deployment effort across ADP’s endpoints on a global basis. According to Cloutier, “Bromium did a great job of engaging with us to plan a staged implementation. It was well-designed and gave us acceleration options so that we could run with it.” This top-down, company-directed effort drove the creation of a dedicated, centralized service that enabled ADP to quickly and efficiently deploy Bromium across thousands of endpoints with minimal end-user impact.

During deployment, Bromium technology was also integrated directly into ADP’s trusted platform security infrastructure, which enabled the consumption of Bromium threat intelligence by ADP’s third-party protection programs. “At ADP, data is our middle name. Threat data helps us with decision support and strategic roadmapping. The information made available by Bromium is ingested into our infrastructure and gives us a direct view of how attacks occur in our environment as they happen.” Cloutier really appreciated the unique visualization feature provided by Bromium Threat Analysis, which provided detailed data on everything

Case Study

To learn more about Bromium's game-changing security, please visit www.bromium.com.

from clicks to dynamic link libraries (DLLs). "They gave us everything we needed to leverage our resources across the organization and change our defensive posture so that we became more proactive and focused on prevention," said Cloutier.

Think like a businessperson

Every CSO, Cloutier thinks, should look at security through the lens of a businessperson. "The largest measurable total cost of ownership reducers for security are products that can replace other technologies, reduce incident response costs and

streamline processes." For ADP, Bromium solutions are among those. Bromium fits neatly into the company's "Protect First" model. "When you protect first," said Cloutier, "you don't have to respond. At the end of the day, you give time back to your organization so that they can focus on other things like hunting for threats. We can investigate faster and use threat analytics to protect our environment in a more timely fashion. That is a big win." The total reduction in costs has enabled ADP to redirect funds to other new technologies.



Bromium, Inc.
20813 Stevens Creek Blvd
Cupertino, CA 95014
info@bromium.com
+1.408.213.5668

Bromium UK Ltd.
Lockton House
2nd Floor, Clarendon Road
Cambridge CB2 8FH
+44.1223.314914

For more information go to www.bromium.com
or contact sales@bromium.com

Copyright ©2016 Bromium, Inc. All rights reserved.
CS.ADP.US-EN.1603