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# Gaining control over a fragmented network

A secure web gateway can improve visibility and access management across all the elements of a modern network



**Chris Newman**  
Broadcom

**“THE IDEA IS TO TREAT ALL CONNECTIONS AS UNTRUSTED BY DEFAULT AND FORCE USERS AND DEVICES TO PROVE THAT THEY ARE AUTHORIZED BEFORE ALLOWING ACCESS.”**

**M**odern networks blend on-premises and cloud-based elements, which requires agencies to keep pace with new and constantly changing security demands. Networks have become increasingly fragmented by the addition of roaming users and bring-your-own-device standards. Employees are working from a variety of locations while workloads and other resources have moved to the cloud and things have changed.

Securing such fragmented networks requires making sure that IT administrators have security controls and visibility into all the places where network activity happens, from containers running in the cloud to users sitting in a coffee shop.

## Intercepting problems between networks and endpoints

One key way to achieve that sort of comprehensive network security is a secure web gateway (SWG), also known as a proxy. A proxy is a point of control and visibility into what a machine or user is doing on the internet, no matter where they are. Every time a user or device wants to go somewhere on the web, the proxy acts as an intermediary and makes a determination whether to allow or block access or send it to additional security controls such as remote browser isolation. RBI can essentially remove the web browser as an attack surface altogether.

SWG acts as the control point for security and compliance technologies such as threat scanning, RBI, data loss prevention and acceptable-use policies for everything web, for all users.

In addition, when it comes to cybersecurity, anything that can be addressed remotely is a major win for the security operations team. A malicious file detected on an endpoint is an incident. A malicious file detected and blocked on the network is an observable. One requires an investigation, the other does not. Anything that reduces the number of activities the endpoint detection and response solution needs to manage is a major cost savings.

Finally, a secure web gateway is a natural way to integrate with zero trust network access (ZTNA) solutions and cloud access security brokers (CASBs). ZTNA and CASB solutions allow remote access to an agency's applications (on-premises or software-as-a-service) based on clearly defined policies. That gives agencies the ability to go beyond managed devices—or the endpoints they know about—to secure even unmanaged devices, such as virtual machines, containers, servers and users' personal devices. The idea is to treat all connections as untrusted by default and force users and devices to prove that they are authorized before allowing access.

## Tools that work together and work at scale

Broadcom has been a secure and stable partner with government agencies for decades. We offer file scanning, CASB, data loss prevention, remote browser isolation and the ability to link everything with ZTNA. We've put all those components together in our software-as-a-service offering—the Symantec Cloud Secure Web Gateway. The tool traces its origins to Blue Coat, which was one of the pioneers in the SWG space.

Furthermore, we have integrated all our protection and inspection technologies in one house, and that means those tools work together, they work at scale, and they work in a stable, mature manner. Unlike other companies, we aren't bolting pieces

together from multiple vendors. Our technologies are built to work together.

At Broadcom, we have been securing networks for a long time with millions of users all over the world in governments, financial institutions and every other vertical. It gives us the expertise and experience to address current security challenges while anticipating and preparing for future threats. ■

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**Chris Newman** is the Cloud Secure Web Gateway product manager at Broadcom.



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## A comprehensive and flexible Secure Web Gateway built for the modern enterprise

