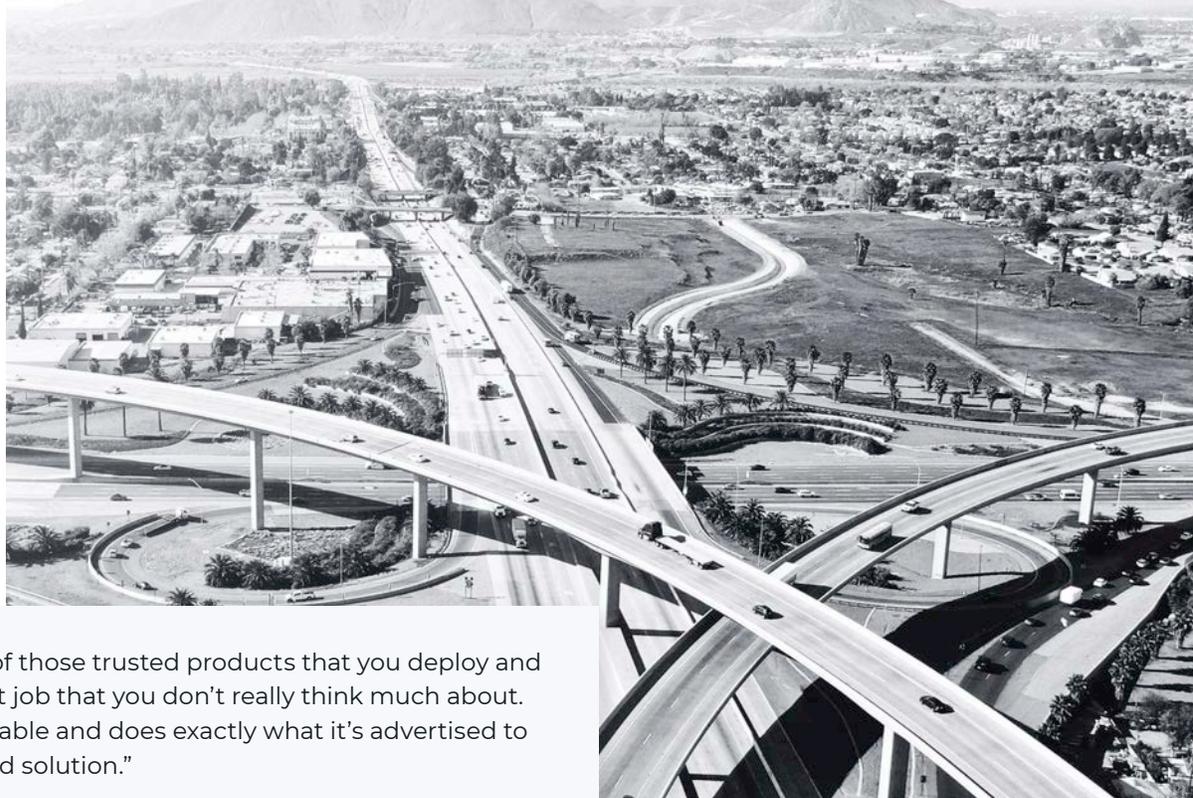


# Riverside County Gets Rock-Solid Uptime and Total Visibility with Gigamon



Gigamon is one of those trusted products that you deploy and does such a great job that you don't really think much about. It's extremely reliable and does exactly what it's advertised to do. It's a rock-solid solution."

**ANTHONY H. CHOGYOJI**  
CISO, Riverside County

## CHALLENGES

- + Needed reliable access to and full visibility of enterprise network traffic to secure crucial government functions spread across a large area
- + Needed integration with newly deployed inline and out-of-band security tools
- + Had to maintain uptime while safely bypassing inline tools

## SOLUTION

Gigamon Visibility and Analytics Fabric™, including GigaVUE-HC1 and GigaVUE-HC2 visibility nodes

## CUSTOMER BENEFITS

- + Ability to reconfigure systems with no downtime, thanks to inline bypass
- + Maximized network visibility and performance monitoring
- + Accelerated threat prevention, detection and incident response times
- + Enhanced staff efficiency by reducing or eliminating manual tasks
- + Achieved [ROI in less than 12 months](#)

Anthony H. Chogyoji is the Chief Information Security Officer for Riverside County, the fourth largest county in California and tenth largest in the nation. Chogyoji has a uniquely important job, as Riverside County is home to almost two and a half million people and sprawls from the Los Angeles suburbs to the Arizona border. The county's residents and its 23,000 employees depend on the network being fully available and secure. Downtime makes it impossible for the county to fulfill its missions, which range from operating a state-of-the-art medical center equipped with robotic surgical equipment, to delivering critical public health services that are crucial to combatting the COVID-19 pandemic, to meeting everyday citizen needs such as issuing building permits and marriage licenses. To deliver these services, the county has built out a resilient network that connects more than:

- + 500 facilities
- + 23,000 employees
- + 36,000 devices

To keep this complex network safe, the county needed to improve its security posture. As the number of internet-connected devices and cyber threats continue to increase at what seems like an exponential rate, Chogyoji and his team are witnessing ransomware attacks take down critical infrastructure in neighboring counties, cities and school districts. To protect the network, Riverside County built a highly advanced cybersecurity operations center in 2018 that was outfitted with best-of-breed security tools, including intrusion detection and prevention systems, and network and endpoint detection and response tools.

But those tools depend on full visibility into the county's large hub-and-spoke network. And the county needed a solution that could be upgraded or reconfigured without physical re-cabling — after all, some towns were a six-hour round trip drive from the department HQ.

## THE SOLUTION? GIGAMON

The county deployed the [Gigamon Visibility and Analytics Fabric™](#) to meet these visibility needs. The Visibility and Analytics Fabric is used for inspection of out-of-band tools for East-West traffic and inline tools for North-South traffic.

The county's network has two internet gateways, at a primary and secondary site. There are a pair of GigaVUE-HC2 appliances deployed at the primary site, and a pair of GigaVUE-HC1 appliances at the secondary site. The secondary site handles mostly VPN traffic, and the Visibility and Analytics Fabric provides visibility into logs from that traffic — a recent update to the network architecture that has proved to be a huge success as 24 percent of its workforce (5,600 employees) is now telecommuting in response to the COVID-19 pandemic.



The Gigamon Network Visibility and Analytics Fabric technology affords us the visibility and ability to monitor and control all ingress and egress traffic on our enterprise network, allowing us to fully leverage and maximize the effectiveness of our entire security stack.”

– ANTHONY H. CHOGYOJI, CISO  
COUNTY OF RIVERSIDE

## THE RESULTS? PEACE OF MIND AND CONTINUOUS UPTIME

The Visibility and Analytics Fabric has proven to be the crucial element in Riverside County's boosted security posture. "I honestly don't know how we would have been able to realize the maximum effectiveness of our entire security tool stack had we not invested in our GigaVUE appliances," Chogyoji says. "It would have been a lot more complicated architecturally speaking — it may not even have been technically possible."

Chogyoji declared that his team was "obsessed" with the Visibility and Analytics Fabric's Inline Bypass feature. During upgrades, he says, "We'll place one of our IPSs into bypass mode temporarily just to ensure we are still seeing traffic flow. I can honestly say we have not had a single outage that was related to that environment thanks to the Gigamon bypass module."

The Visibility and Analytics Fabric has also saved precious staff time and resources. "It's been a huge timesaver to cable everything in advance," Chogyoji says. "We route traffic when we need to move things around, then just go into GigaVUE-FM and reconfigure everything on the fly with zero downtime."

But perhaps more than any individual feature, the greatest benefit Riverside County has enjoyed has been peace of mind and continuous uptime. "Right now, because we have so many folks telecommuting, the uptime of our network is more critical than ever before," he says. "We can't afford to have any service outages malware outbreaks or ransomware attacks — any of these would be catastrophic to our operations."

"Just about every one of our tools flows through Gigamon at some point," he continues. "Even our cloud-based tools. It's the core for our internet. And it's one of those trusted products that you deploy that does such a great job that you don't really think much about it. It's extremely reliable and does exactly what it's advertised to do. It's a rock-solid solution."

## WHAT'S NEXT

As Riverside County deepens its security measures and builds on its success, Chogyoji and his team know that there are capabilities built into the Visibility and Analytics Fabric that will take them there, including de-duplication and decryption. "Two of my staff attended formal Gigamon training and it was a real eye-opening experience for them," he says. "They reported back on how much they learned and about how much our appliances are capable of doing, which inspired a lot of great ideas of where we can go in the future."

## ABOUT GIGAMON

Gigamon is the first company to deliver unified network visibility and analytics on all data-in-transit, from raw packets to apps, across physical, virtual and cloud infrastructure. We aggregate, transform and analyze network traffic to solve for critical performance and security needs, including rapid threat detection and response, freeing your organization to drive digital innovation. In short, we enable you to run fast, stay secure and innovate. Gigamon has been awarded over 75 technology patents and enjoys industry-leading customer satisfaction with more than 3,000 organizations, including 80 percent of the Fortune 100. Headquartered in Silicon Valley, Gigamon operates globally. For the full story on how Gigamon can help you, please visit [www.gigamon.com](http://www.gigamon.com).

© 2020 Gigamon. All rights reserved. Gigamon and the Gigamon logo are trademarks of Gigamon in the United States and/or other countries. Gigamon trademarks can be found at [www.gigamon.com/legal-trademarks](http://www.gigamon.com/legal-trademarks). All other trademarks are the trademarks of their respective owners. Gigamon reserves the right to change, modify, transfer, or otherwise revise this publication without notice.



Worldwide Headquarters  
3300 Olcott Street, Santa Clara, CA 95054 USA  
+1 (408) 831-4000 | [www.gigamon.com](http://www.gigamon.com)