Cambium Networks overcome the SPF lookup limit and simplify management with *Dynamic SPF*

Cambium Networks is a world-class broadband provider and enterprise Wi-Fi solution specialist with 25 different entities serving customers from over 150 countries. As a global organization, Cambium Networks sends over 6 million emails per month.

SPF management required repetitive manual updates before OnDMARC

The IT team previously managed their SPF records manually before OnDMARC, which proved to be a time-consuming effort for the set-up of every new provider. Hamish Gough, IT lead at the time, remembers how "some of the manual setups were inconsistent and wouldn't even check if SPF was working. They wouldn't let us continue with setup unless they could find the actual text in the SPF record which then caused delays".

Simplifying SPF management with automation and getting to p=reject confidently

Once Cambium Network went over the 10 SPF lookup limit, they started to experience SPF failures which were hard to investigate. Once email deliverability issues started to surface, Hamish Gough took the initiative to invest in OnDMARC for it's *Dynamic SPF* solution, allowing them to see:

1) Clear progress reports As well as SPF, the IT team set up DKIM wherever they could and OnDMARC always provided a clear overview of the status of all records (DMARC, DKIM and SPF) to keep them on track.

2) Instant reliable insight In the process of moving from quarantine to reject, if any mail went reported as undelivered, the IT team could identify the root cause in OnDMARC quickly and implement a solution.

3) Email deliverability In just 30 days, 2000 spoofs from over 200 different senders were all blocked by OnDMARC once at reject status. This continual verification also resulted in an email deliverability rate of 99.5%.

"We knew as a recognizable company we were an appealing target to cybercriminals, so our DMARC mission was to protect customers."

Hamish Gough, former IT lead, now DevOps Lead at Cambium Networks

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Highlights

- **No SPF lookup limit**
  Once over 10 lookups, Cambium Networks experienced email deliverability issues. OnDMARC gave them the ability to have unlimited services that are easy to manage.

- **99.95% SPF pass rate**
  Once OnDMARC was implemented, Cambium Networks were able to achieve a SPF pass rate of 99.95%.

- **Quarantine to reject**
  After being in quarantine for over a year, the team invested in OnDMARC to transition to p=reject confidently without the worry of blocking any legitimate email.

- **Shutting down spoofs**
  2000 monthly spoofs from over 200 different senders, all blocked thanks to OnDMARC getting them to reject.

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IPv4: 172.11.254.1
IPv4: 164.10.231.1
IPv4: 183.09.249.1
IPv4: 172.16.212.1
IPv4: 2.16.254.1
IPv4: 2.16.254.1

Dynamic SPF enabled unlimited services and full visibility, creating harmony with Marketing, Sales & IT

Before trialing OnDMARC, the IT team had tried a cheaper DMARC provider only to find that they started to experience friction with sales and marketing teams when a new service would be added once or twice a week. Hamish Gough, IT lead at the time, explained "We generally now have sales and marketing team cultures that understand customer protection, and follow our lead when setting up new email senders which has helped. Having visibility of this in OnDMARC is great".

With OnDMARC in place and utilizing *Dynamic SPF*, the IT team could continue to grow their email services and respond to different departments with confidence that each one had been correctly configured, also helping them move along their journey to p=reject. Once fully protected, Cambium Network's IT team could always be sure that OnDMARC is automatically ensuring every record for all third party services is up to date, removing the fear of static "flattened" code becoming outdated or obsolete.

> *"Dynamic SPF works so well I just leave it run and it sorts itself out."*
>
> *Hamish Gough, former IT lead, now DevOps Lead at Cambium Networks*

Convenient tools for a confident security culture and eliminating shadow IT

Investigating forwarding and failing - With OnDMARC's *Investigate* feature, Hamish Gough reported how "we were able to quickly configure SPF. It also helped us discover strange changes such as LinkedIn forwarding or failing without being obvious why, but then *Investigate* would reveal what was failing". As a supporting example, 2000 spoof emails a month were being sent from 200 services/IP's, but all of them were blocked by OnDMARC.

Analyzing a partner's SPF setup - Cambium Networks are regular users of the *Analyzer* tool as Hamish Gough, reported "I like that this checks the domain quickly. We used it on ourselves to start with but we will sometimes have partners who have problems getting email to us. That's made this tool handy to see that they've tried setting up SPF and we can reveal the problem to them".

Easy access to knowledge - Hamish Gough has now moved into a DevOps role at Cambium Networks, but knows that the IT team is in safe hands for ongoing protection and ease of use. More specifically, Hamish pointed out that "OnDMARC has a really nice knowledge base which I've pointed people to for an overview of their DMARC issue and how to solve them. It accommodates different types of audiences with both the nerdy details and tech info, but also a non-technical explanation which together provides a reasonably good dive into what something does and the next step after the water cooler talk".

Get in touch today to find out more about how *Dynamic SPF* can help you overcome the SPF limit, simplify management, and provide outstanding service resilience.

RED SIFT

The Red Sift Open Cloud is a data analysis platform that is purpose-built for the challenges of cybersecurity. By harnessing the power of AI we can securely collate, compute & visualize data from thousands of individual signals to help organizations to optimize their cybersecurity.

Products on the platform include OnDMARC and OnINBOX, SaaS applications that work together to close the net on the phishing problem by blocking outbound phishing attacks and analyzing the security of inbound communications for company-wide email threat intelligence.

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