

SANS Survey Report

NETWORK SECURITY INFRASTRUCTURE AND BEST PRACTICES

How IT Walks the Line Between Cybersecurity and Service Assurance

SANS surveyed organizations across the globe to understand how they're balancing IT performance demands and security needs.

Here are some key findings.

THE GOOD NEWS

Active security is becoming more ubiquitous.

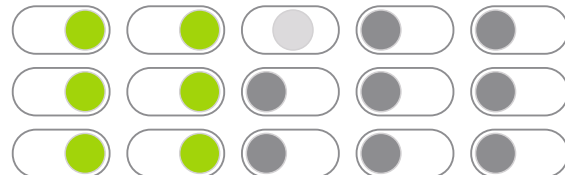
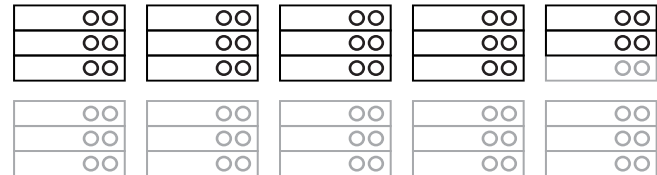


86% OF ORGANIZATIONS ARE USING ACTIVE SECURITY DEVICES TO SECURE THEIR NETWORKS

but

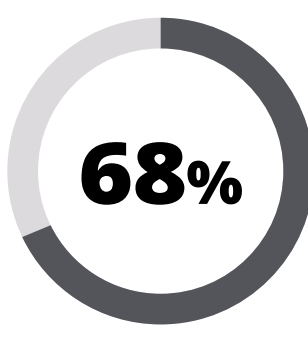
Only **48%** turn on

50% or less

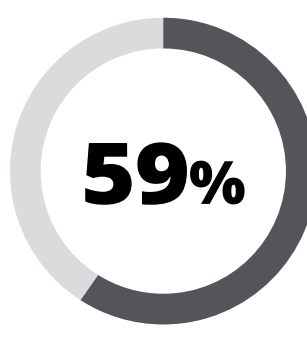


of their available features

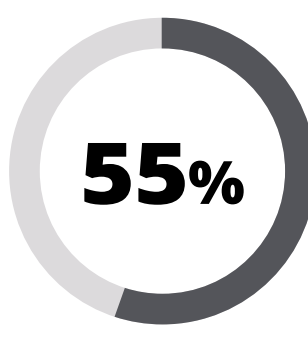
Due to concerns related to



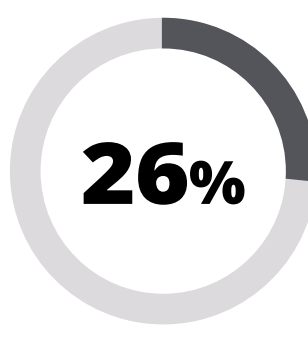
Performance Impact



False Positives



Alert Fatigue



Network Downtime

AT THE SAME TIME, UPGRADE CYCLES AND SHIFTS IN THE THREAT LANDSCAPE ARE FORCING CHANGES TO NETWORK SECURITY INFRASTRUCTURE



79% Infrastructure replacements due to end of life



45% New Threats



64% New Capabilities



44% Security Incident

But introducing a wrong or misconfigured security device can also impact performance



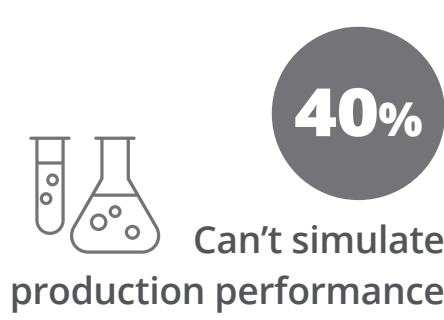
HOWEVER...



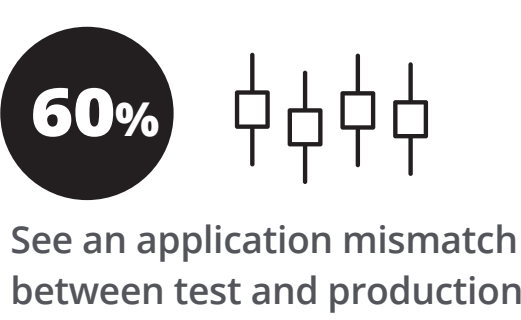
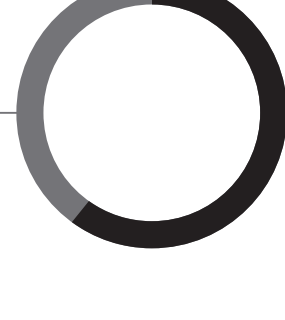
90% OF ORGANIZATIONS CONDUCT PROOF OF CONCEPTS (POCS) TO AVOID THIS PROBLEM



but



40% Can't simulate production performance



60% See an application mismatch between test and production

and



57% Of the time it's impossible to effectively exercise product features

leading to



Production Environment Problems



Increased Security Risk



Application Performance Issues

BUT THIS IS AVOIDABLE.



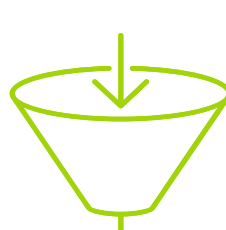
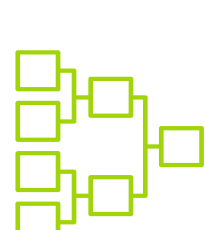
73% COMPANIES ALREADY HAVE THE SOLUTION



Optimizing packet flows with a nGenius® Packet Flow System (PFS)

and while **79%** use it for aggregation

or **68%** for filtering



YOU CAN USE IT TO ENABLE ACTIVE SECURITY AND FACILITATE POCS WITH PRODUCTION TRAFFIC



Deliver performance with security.

You've got the facts, now get the whole story with the latest SANS survey.

<http://enterprise.netscout.com/pfs/sans-survey-network-security-infrastructure>

NETSCOUT