

Measuring the ROI of Network Security Automation

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Why Automate?

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Why Automate?



Enabling the Business

Through Network Security Automation

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Network Visibility

- Network Topology
- Network Security Policies
- Proper network visibility forms the backbone for any automation initiative
- Garbage in – Garbage out



Network Segmentation Policy



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Change Processes

- Start with what you have
- Where can we add automation?
- Consider the end user
- Who needs to be involved?
- What needs to be involved?
- Don't overcomplicate!



Compliance and Risk Assessment

- Work with compliance, risk and legal teams
- Consider regulations, best practices, and internal requirements
- Integrate risk assessment into the process
- Think ahead to audits



Change Design and Provisioning

- Optimised configurations make change design easier
- Change design is complex in hybrid, heterogeneous networks
- Identify solutions that can help, with a focus on:
 - Network Topology
 - Risk Assessment
 - Change Tracking/Auditability
- Automate provisioning where possible

CI/CD Integration

- Developers != Security
- Security and compliance should be built in
- Educate your developers



Measuring Success

Demonstrating Business Value and ROI

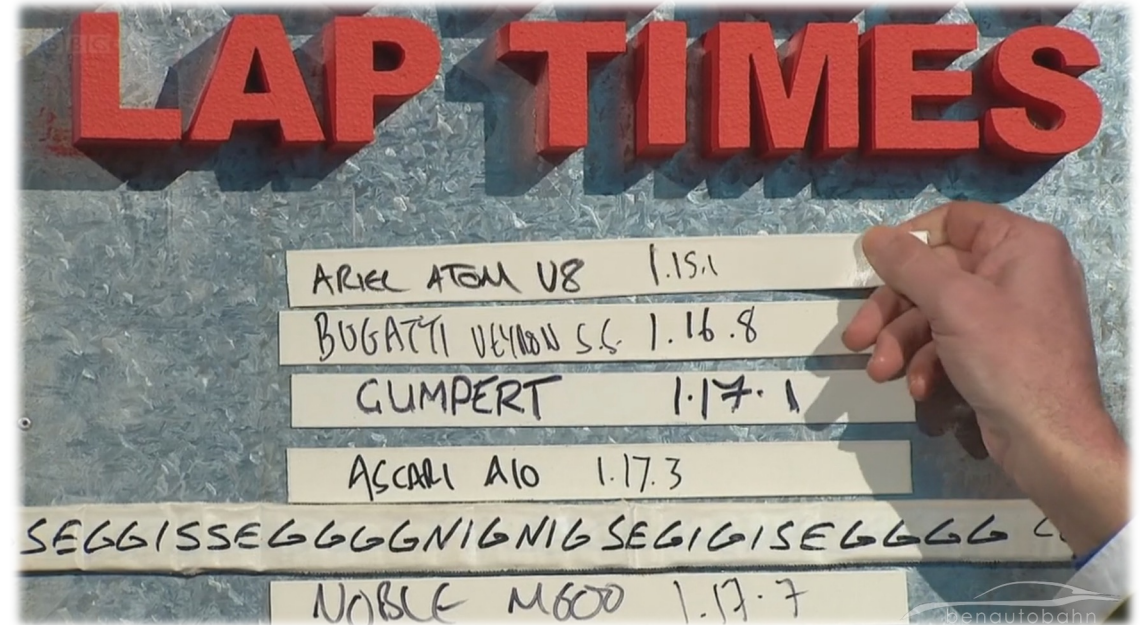
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Common KPIs

- Time to implement request
- Percent requests automated
- Number of rejected requests
- Time to prepare for audit
- Audit failure rate
- SLAs met
- Customer satisfaction





**Business Value
Return on
Investment**

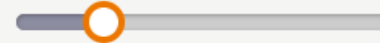
Tufin Efficiency Calculator.

The Tufin Efficiency Calculator (TEC) is a proprietary calculation tool that uses a combination of Tufin's data and your input to provide unique insight on the time spent on tedious tasks – and how that wasted time could be spent in more constructive, valuable ways.

Time is a critical resource. While the business sees time as money, for you more time means more opportunities to take on new and interesting projects. Interested in picking up scripting? Have that strategic project (e.g. policy refresh) you want to get to, but never have time? Just want to consistently meet SLAs?

Move the slides and enter your data below to determine newfound time gained through automation, understand how long that strategic project you've been waiting to start will take to complete, how many new technical languages you can learn to the point of utilization.

What is the average network engineer's salary in your company?



\$90,000

US Dollars/Year

How many firewall devices (physical and virtual) do you manage?

10

10

Firewalls

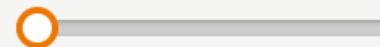
What is the median rule count per firewall rulebases?

200

200

Rules

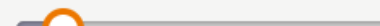
How many rules do you add or modify on a monthly basis (across all firewalls)?



80

Rules/Month

How much time is spent on average to review, design, and apply changes for



90



Case Studies

Is it Worth it?

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Big 4 Services Org

- Automatically managing 11,000+ change requests monthly
- Cut network change SLAs by 60%
- Eliminated rework due to errors.
- Unified processes across 800 firewalls spanning all subsidiaries worldwide



Large Utilities Companies in US and EU

- Cut change time from 2 months to days, requiring only 5 people instead of approximately 40
- Passing audits with only 1-2 days of preparations
- *“We save countless hours on rule cleanup and compliance reporting...”*
 - Cybersecurity Manager



Multi-National Banks

- 12-month rule recertification backlog eliminated
- Implemented daily rule reviews
- Virtually eliminated manual audit prep



What Now?

Getting Started on the Path to Automation

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So, What Now?

- What can I do tomorrow?
 - Evaluate your current visibility and change management processes
- What can I do this year?
 - Enhance your visibility and streamline change management
 - Ensure you have a defined segmentation strategy – and everyone knows it
 - Optimise existing policies and configurations
 - Evaluate existing risk and compliance processes

So, What Now?

- What can I do next year?
 - Optimise risk and compliance processes
 - Begin automating low hanging fruit
 - Fine tune segmentation strategy – move to microsegmentation
 - Incorporate DevOps

Thank You.



Questions?



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