보안정책 자동화와 워크플로우의 중요성

알고섹코리아 **탁정수**





오늘날 보안 위협 통계

SECURITY

99%

Of firewall
Breaches are the
Result of
Misconfiguration.
Not firewall Flaws

AVAILABILITY

111180%

8 out of 10 organizations Suffered an outage from a Misconfigure firewall rule In the last year **AGILITY**



Take an AVERAGE
Of more than a day
to perform a
SINGLE connectivity
change.



RISKS DO NOT JUST GO AWAY





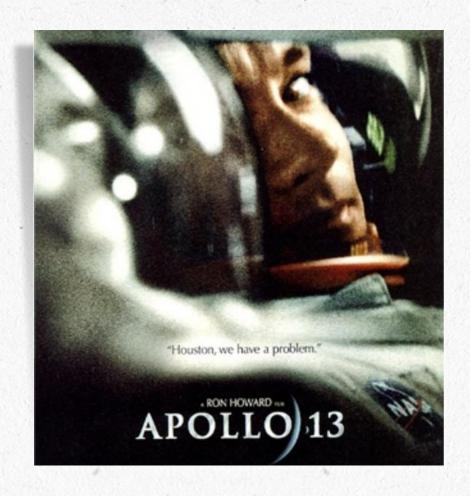
"I'll be Back"

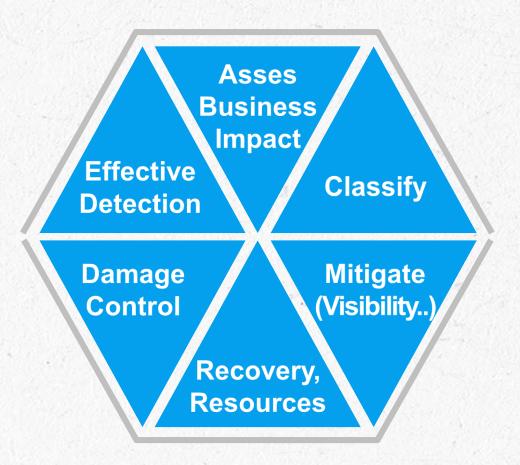
- Understand Risk Level
- Risk Management Framework
- Relate Risk to Business Owner
- Mitigate
 (Accepted risks stay in your network)
- Detect
- Understand Impact
- Respond Quickly
- Damage Control



FOCUS ON THE RIGHT PROBLEMS

"HOUSTON, WE HAVE A PROBLEM"







Speed of Business & Team Motivation

"I Feel the Need, Need for Speed"





- 비즈니스 변경속도를 따라잡기
- 새로운 어플리케이션 적용시간 : 수개월~수주
- 프로세스 변경에 대부분 시간 보안아키텍트
- 기술력 부족 CIO 설문



5가지 위험 포인트와 방안

Become IT-Security
Business Enabler



Avoid Outages of Wrongly Configured Devices



Compliance

Continues Compliance; Reduce Risk of Audit Failure



Strong Cybersecurity Posture by Reducing Attack Surface

Skills

Retain Staff. Address Shortage with Automation



Cybersecurity Posture를 강화하라





"95% of Firewall Breaches from misconfiguration"



Ensure "basic" security hygiene. An optimized network security policy is critical to mitigating risk and cyberattacks



Automation & enforcing processes proved to be more effective than deploying incremental security technologies



Visibility and Automation



BottleNeck





Manual security processes have become a bottleneck to enabling business

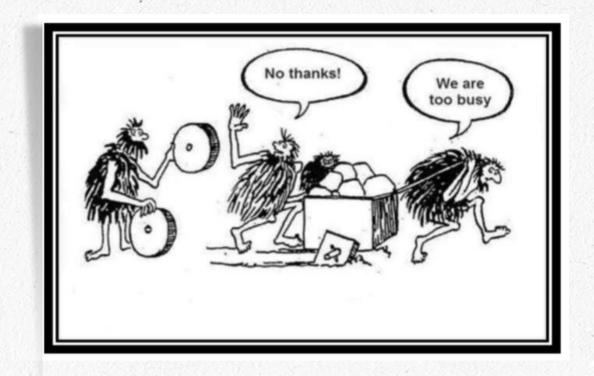


Firewall provisioning for a new application can take weeks



Cloud and SDN continue to add Pressure on security to be agile and operate at the "speed of business"







Skills





Security suffers from a serious talent shortage now and in the foreseeable future

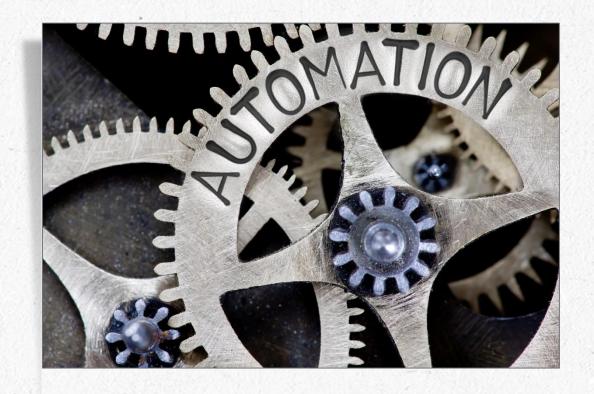


Difficult to ramp up new employees, as many senior engineers have all the "tribal knowledge"



Senior engineers pulled in too many directions



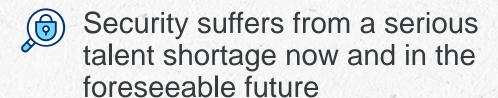


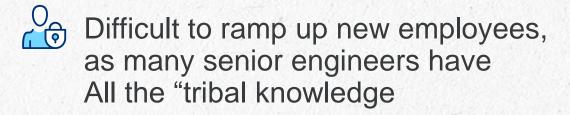


Outages











^{*}Source: "Digital Business Forever Changes How Risk and Security Deliver Value," Gartner©

Compliance





Audit costs continue increasing together with network complexity



Greater challenges ensuring organizational policy across cloud platforms



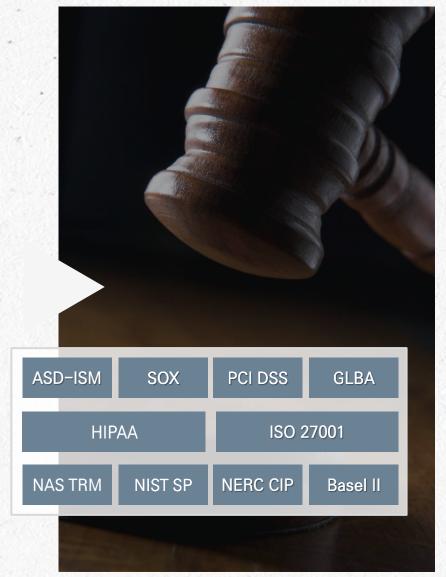
Audit failure cost is Huge – Automatic product will cost 10% or less



Avoid personal career implications...



Automation solution will many times make the Auditors 'go away' understanding you monitor compliance daily or weekly





요약하면 3가지가중요

See & Understand what you are doing







Business Focus

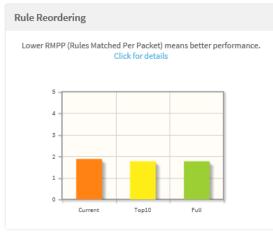
Prioritize well while keeping "eyes on the ball"

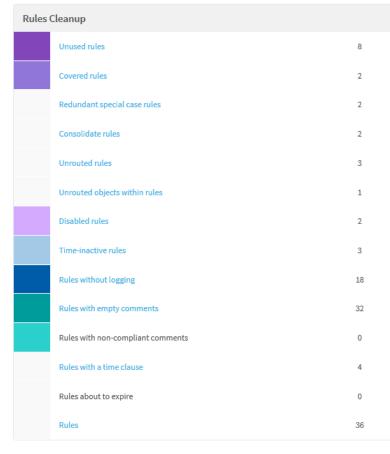
Business Enablement, Significant Costs Reduction, Talent Retention, Increase Accuracy & Efficiency



1. 정책 최적화, 변경 권고 기능 (Policy Optimization)







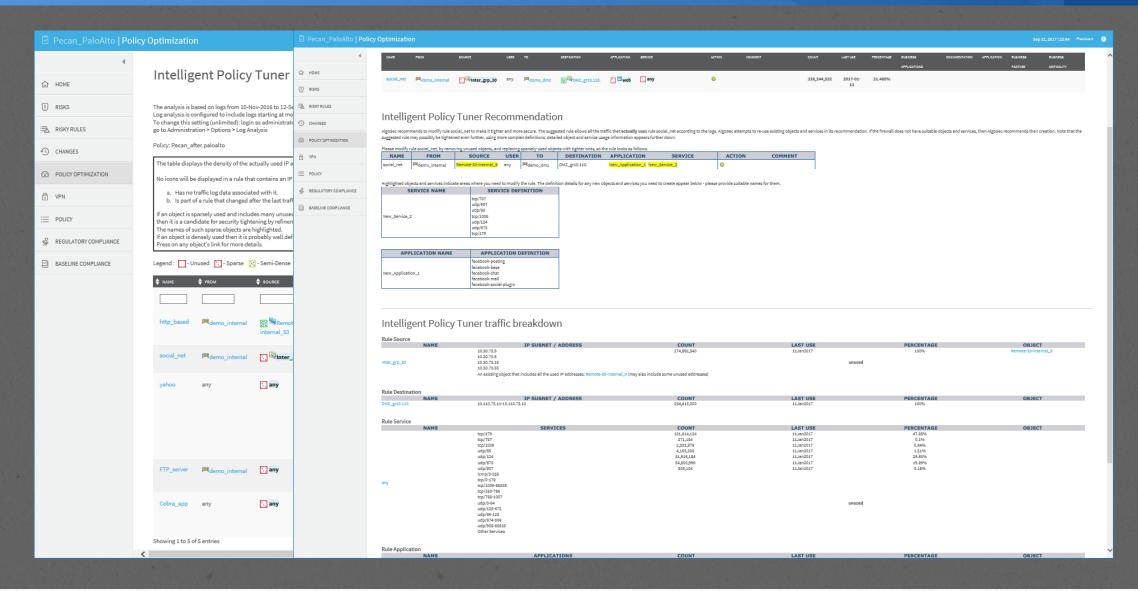
Objects Cleanup	
Unattached objects	13
Empty objects	0
Duplicate objects	4
Unused objects within rules	3
Hostgroup definitions	104
Duplicate services	2

Intelligent Policy Tuner	
Tighten Permissive Rules	5
Unused objects within rules	3
Policy tuner analysis for all rules	36

Rule Reordering		
	RMPP	Improvement
Top 10 Optimizations	1.77	5%
Full Optimization	1.77	5%
Current Rule Order	1.88	

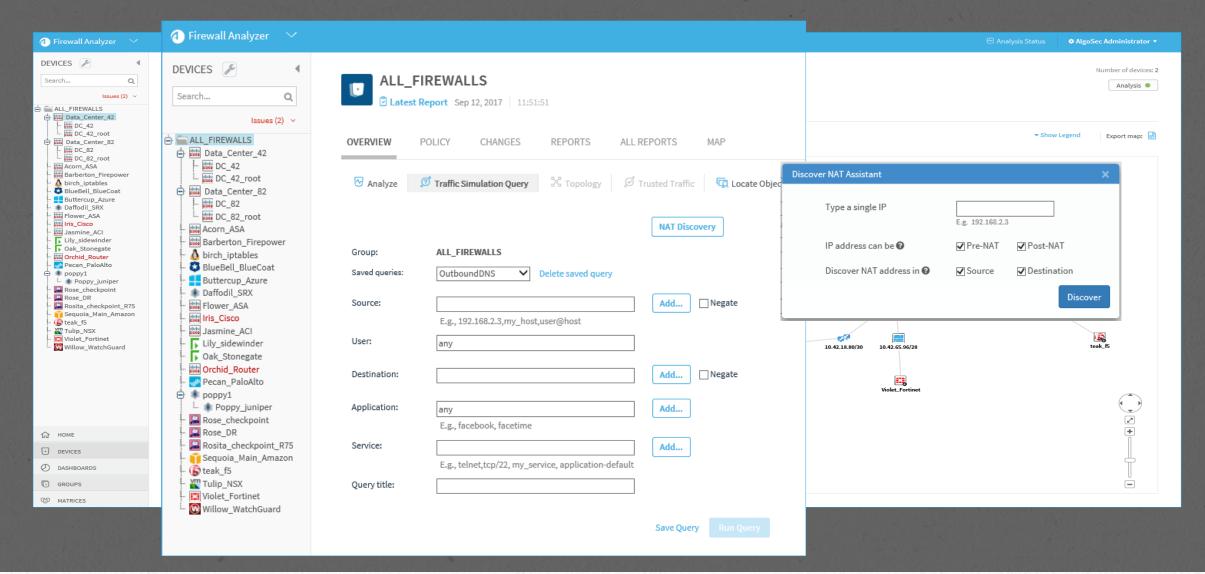


1. 정책 최적화, 변경 권고 기능 (Policy Optimization)



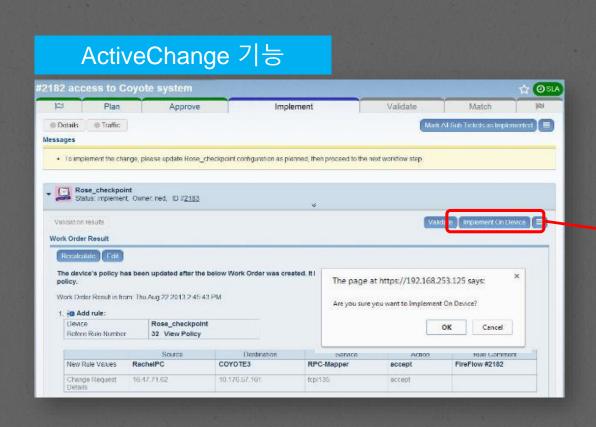


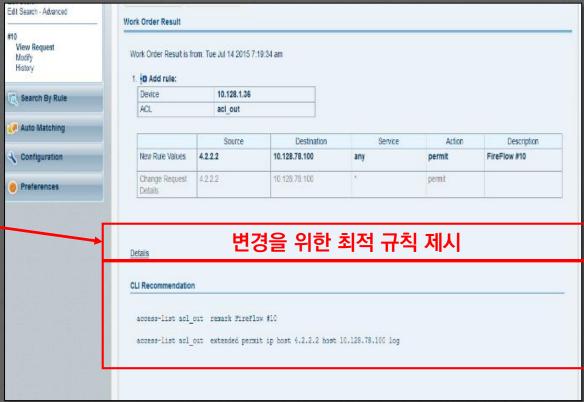
2. 네트워크 토폴로지 맵의 정확성 및 트래픽 시뮬레이션 쿼리





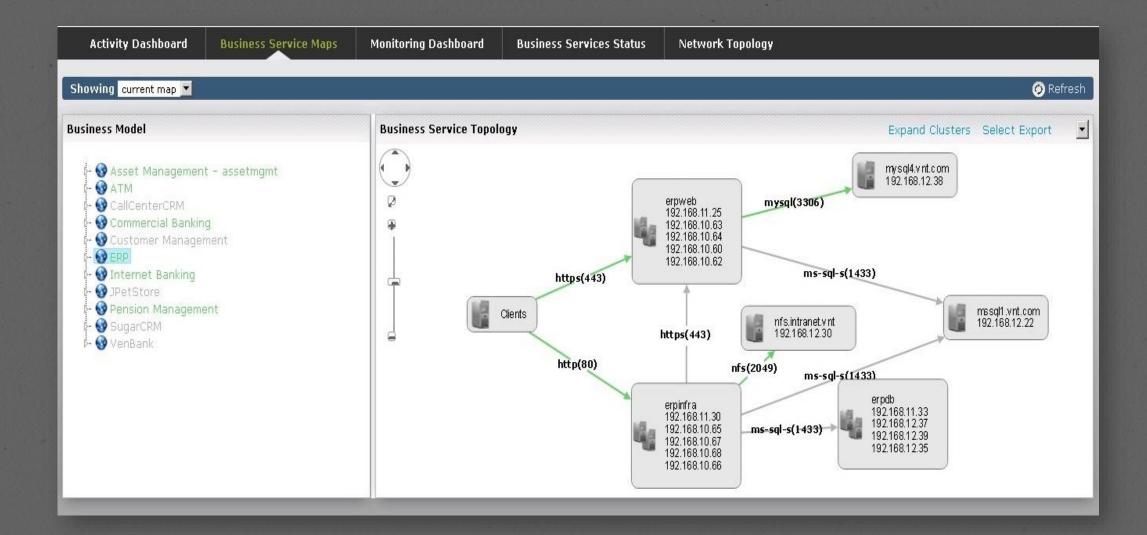
3. 보안 정책 적용 자동화





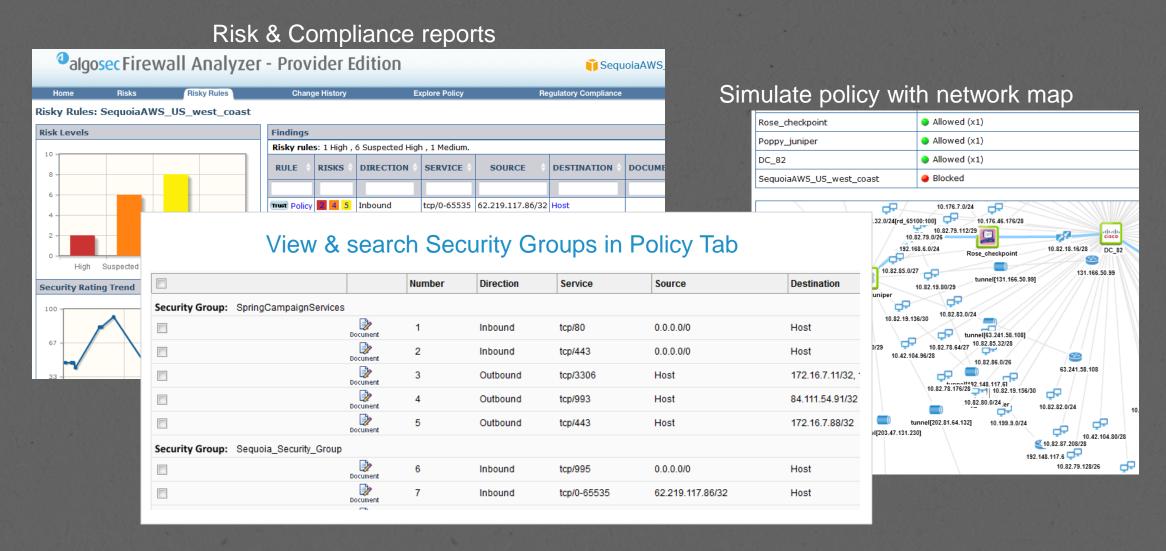


4. 어플리케이션의 연결성 및 가시성 정보



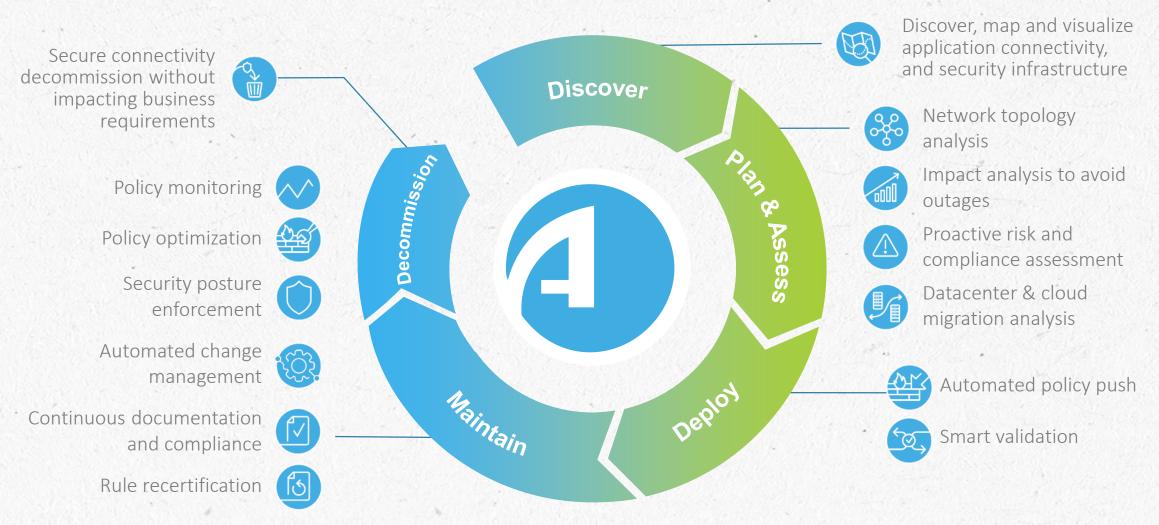


5. 클라우드 지원 (AWS support for full Security Group analysis and visibility)





THE SECURITY POLICY MANAGEMENT LIFECYCLE





About AlgoSec...



- 전 세계 1,700여 고객
- Fortune **50대** 기업 중 **30개** 고객
- 3개의 글로벌 센터를 통한 24/7 지원
- Global No.1 Market Share























































































MANAGE SECURITY AT THE SPEED OF BUSINESS

THANK YOU

www.algosec.com













