

SECURITY FOR VIRTUALIZATION AND CLOUD

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AGENDA

- The MultiCloud Enterprise
- Cloud Security Model
- Advanced threat detection
- Juniper Security Solution
- Summary



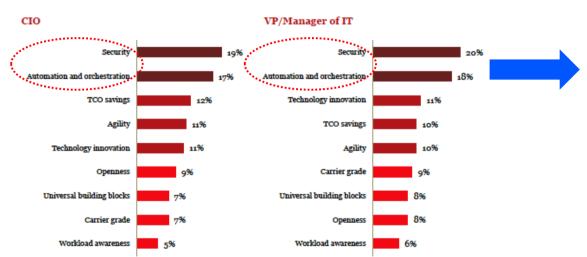


THE MULTICLOUD ENTERPRISE



BUYING STRATEGY

CIO IS PIVOTING TOWARDS









Source: www.juniper.net

KEY FINDINGS



100%

of enterprise workloads are shifting from onpremises to public cloud in the next 1-3 years



73%

of enterprise has a mult-vendor Strategy, with Tech, Manufacturing, and Public Section leading the way



Security

Is the leading concern for using the cloud And Automation is also important.



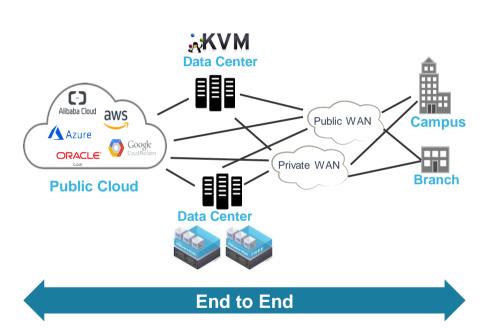


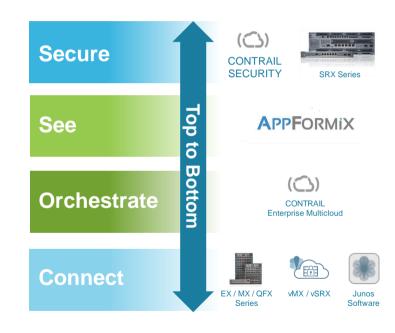
CLOUD SECURITY MODEL





OPERATING AS MULTICLOUD







Secure





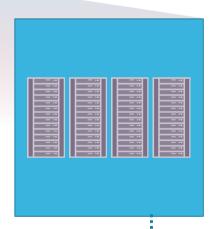












SINGLE SDN / SECURITY DEPLOYMENT

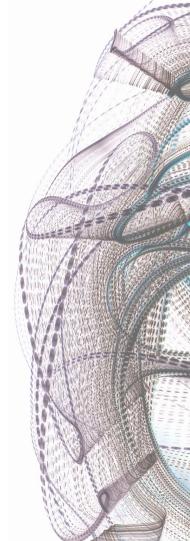
(Offering connectivity & security layer for multiple environments)



CLOUD SECURITY MODELS

Deploying steps:

- Architecture (i.e., Planning the deployment steps)
- Orchestration (i.e., Manage all the instances)
- Detection (i.e., Advanced Threat Detection)
- Mitigation (i.e., Stop the illegal activities and access)
- Report (i.e. Telemetry and Logging)



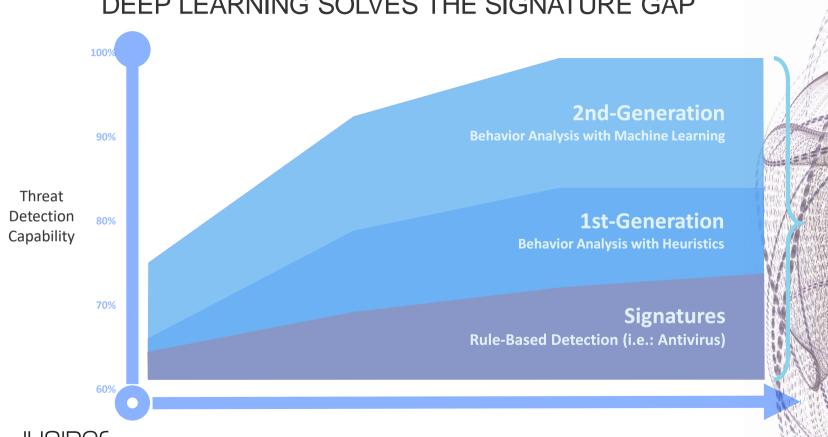


ADVANCED THREAT DETECTION

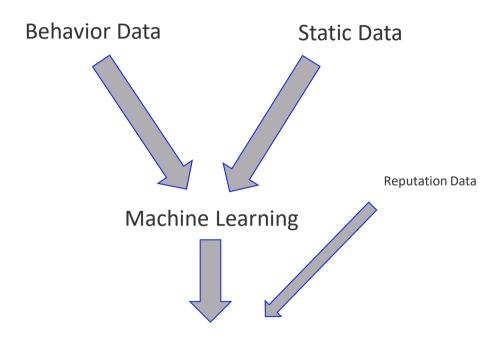




DEEP LEARNING SOLVES THE SIGNATURE GAP

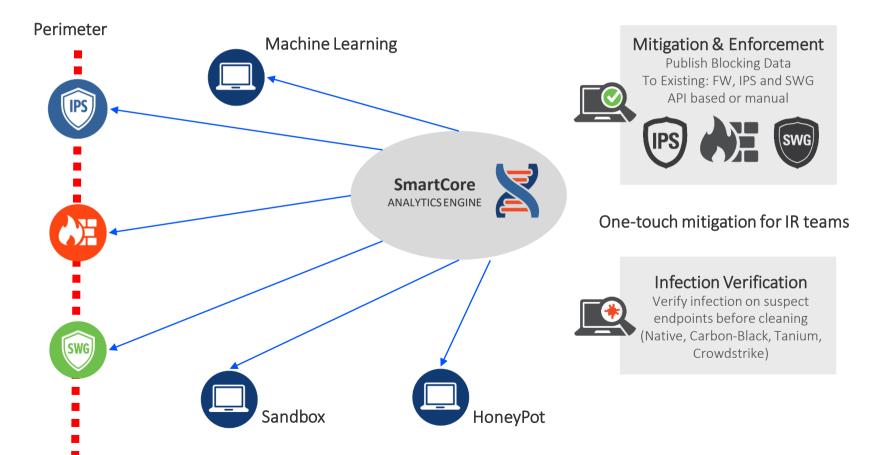


SECURITY APPLICATIONS - MACHINE LEARNING



Detection, Classification, Risk Assessment

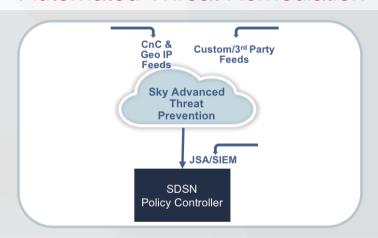
MULTI-LAYER THREAT MITIGATION: STRONGER SECURITY



Automate Threat Remediation

MANUAL THREAT WORKFLOWS

Automated Threat Remediation







Cohesive Threat Management System



Automation across Network & Security



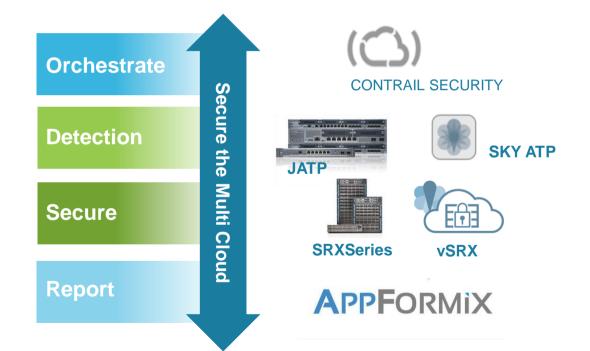
Open API and 3rd Party Threat Feed Collation

JUNIPER CLOUD SECURITY SOLUTION





JUNIPER MULTI CLOUD SECURITY







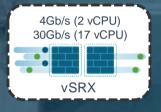
SECURITY PORTFOLIO

Price / Performance, Scale and Efficacy Leadership

SDSN











1RU Up to 1.7Gb/s lekuut.....

SRX300

2RU 2.3 Gb/s

SRX550

1RU 5Gb/s

SRX1500

1RU 20Gb/s

SRX4100

1RU 40Gb/s

1 -- --

SRX4200

2H-18 Q1-18 1RU 3RU 320Gb/s 80Gb/s



5RU 480Gb/s



SRX5800

16RU

More NGFW Performance and Features in 2017+2018

Branch

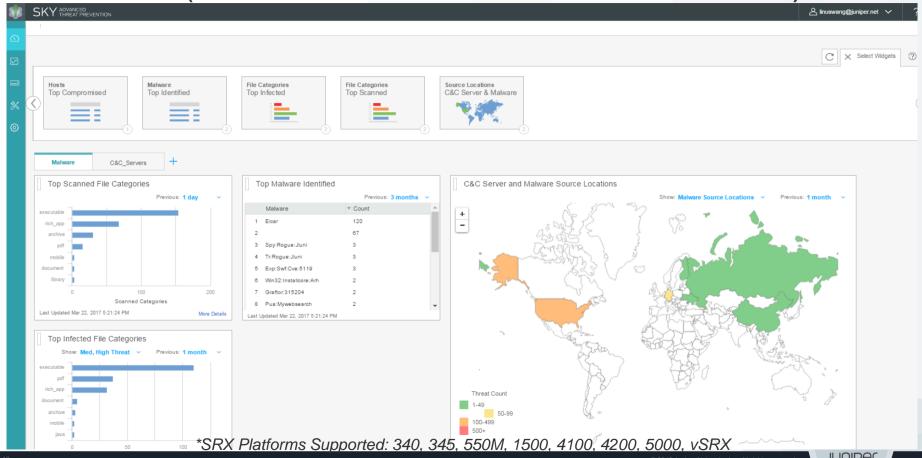
Campus

Data Center

Cloud

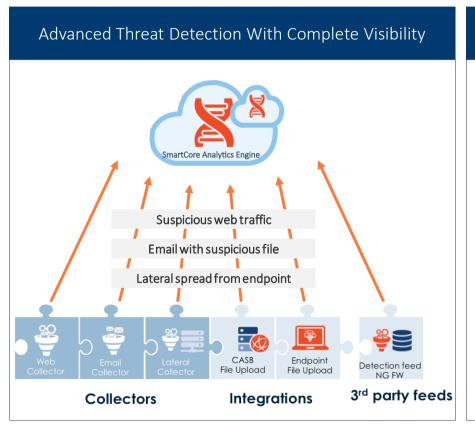
Service Provider

SKY ATP (ADVANCED THREAT PREVENTION)



SKY ATP / JATP: FAST DISCOVERY

Integration

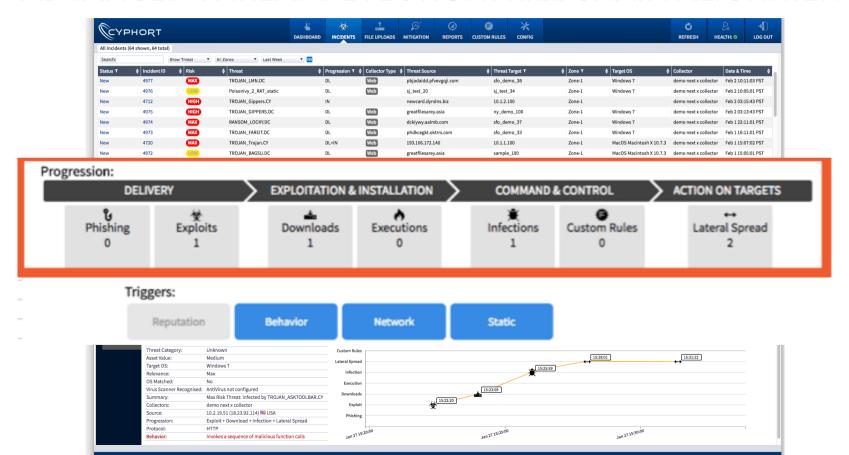


Key Platform Features

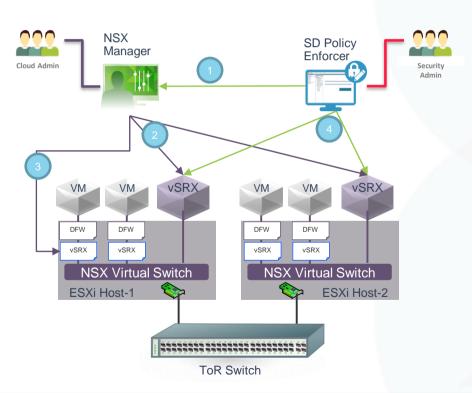
- Distributed, scale-out architecture
- Deployable in cloud or on-premise
- Web, email (N/S), lateral spread, File upload (E/W)
- Multi-stage behavioral analysis & machine learning
- Full Incident view and RISK based prioritization
- Threats typically detected in less than 15 seconds
- 10x cost savings in MSSP/Cloud deployments
- Certified by ICSA Labs

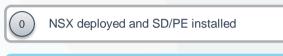


ADVANCED THREAT DETECTION: KILL CHAIN ALIGNMENT



NSX INTEGRATION - VSRX PROVISIONING AND MANAGEMENT















SUMMARY



SKY ATP: THREATS PREVENTED

WannaCry

• Exploits vulnerabilities in SMBv1 that allows remote code execution

Locky

 Uses VB macros to download payload, encrypts disk with key obtained from C&C server

Zepto

• Locky variant that renames files with .zepto extension

Kovter's

 Almost fileless malware! Uses obfuscated Javascript and 'garbage' batch files

.....and many more!

Detection

- ✓ Machine Learning at every stage
- ✓ **Deception Techniques** and **Behavioral analysis** are used to differentiate malware from good software
- ✓ Thousands of features from static, dynamic and hybrid analysis are extracted from a large, continually-updated collection of samples both malicious and benign to construct a machine learning classifier that identifies and blocks previously unseen malware types

JUNIPER NETWORKS ATP CERTIFIED BY ICSA LABS



Juniper Networks ATP solution is the <u>only one</u> certified by ICSA Labs in 2017 to provide 100% detection of advanced threats.

WAVE LEADER IN AUTOMATED MALWARE ANALYSIS



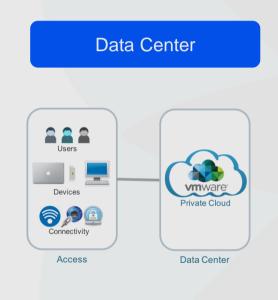


Source: Forrester Report Malware Analysis 2016

SUMMARY

Pervasive Security, Without Complexity





Juniper SRX & Sky ATP

AWS, Azure for Public Cloud

Vmware NSX for Private Cloud

Threat Remediation & Micro-segmentation

Thank You



