

# FortiOS – The foundation for Security Transformation

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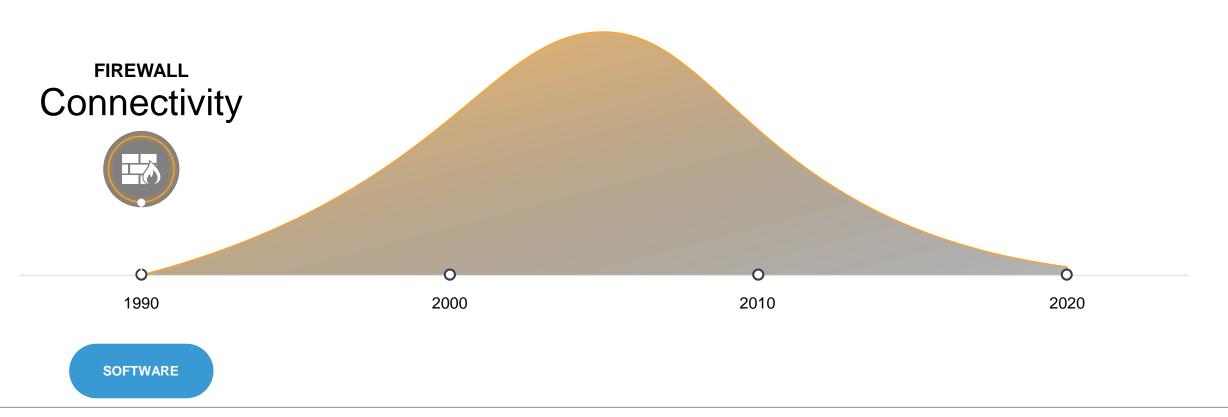
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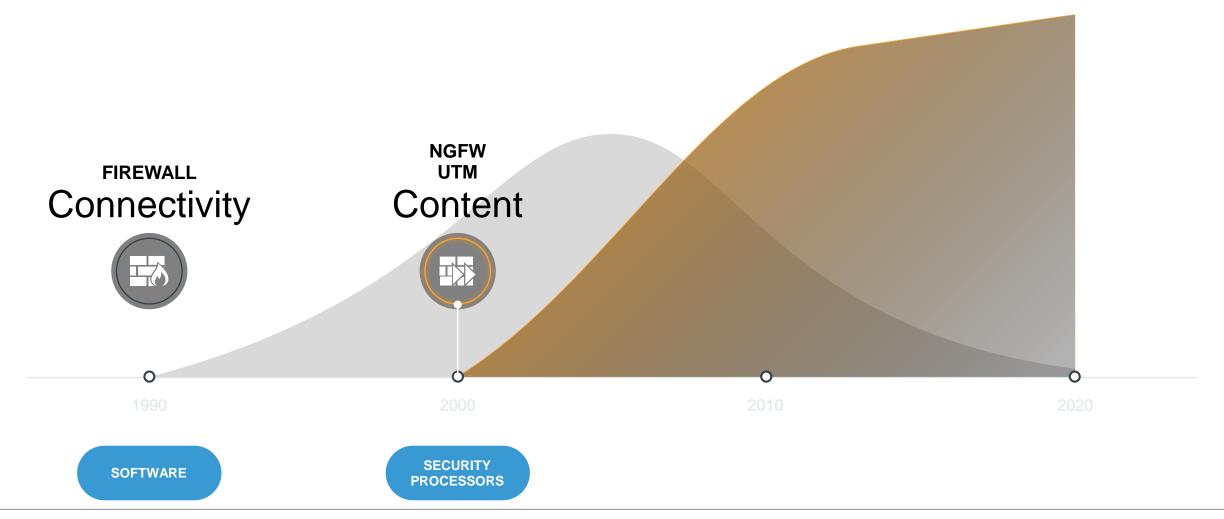
# **Evolution of network security**





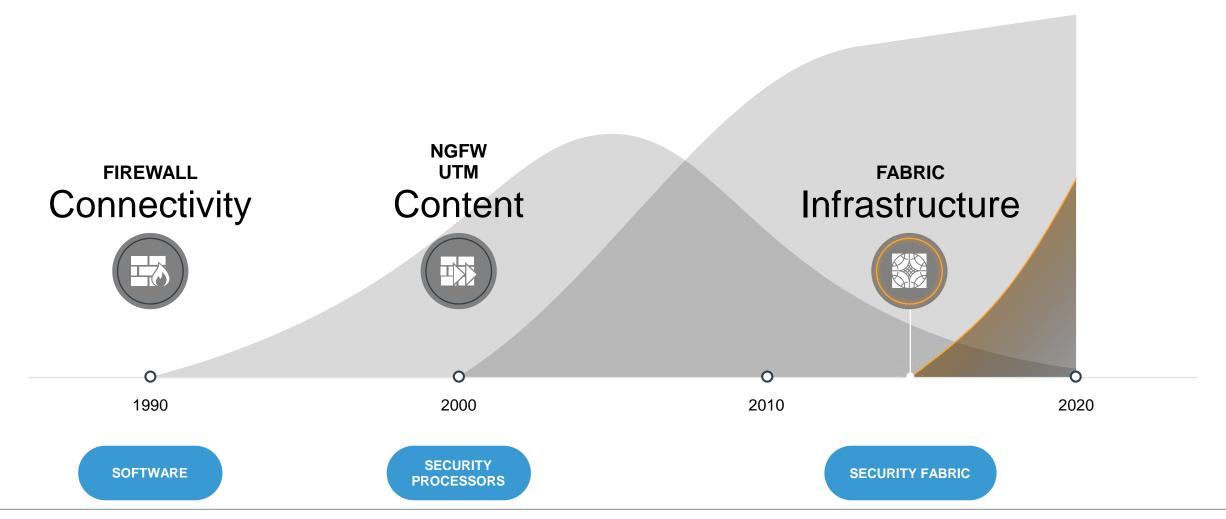
# **Evolution of network security**

CONTINUED GROWTH IN THE SECOND GENERATION



## **Evolution of network security**

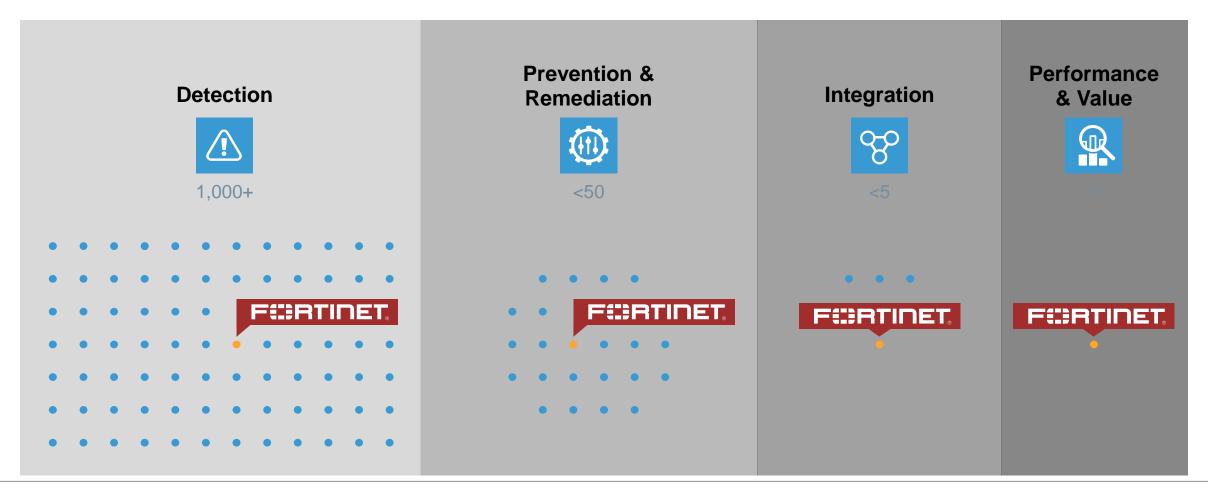
WE ARE IN THE EARLY STAGES OF THE THIRD GENERATION





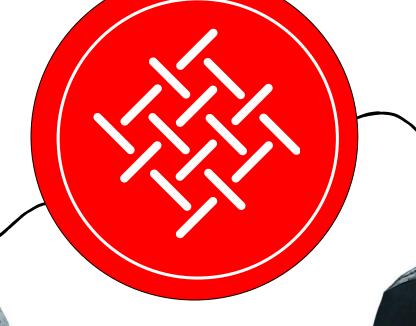
# Only fortinet can reach the HIGHEST LEVELS of security

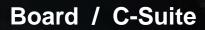
SIGNIFICANT ENGINEERING INVESTMENT REQUIRED FOR PERFORMANCE AND VALUE





l'll ask Hey, look at IT this news alert...











NOC / SOC













- Replicated Operations
- Disjointed Systems





Scalable Expansion





- Communication
- Frustration





**Business Alignment** 





- Maintenance
- Security Operations
- Incident Response





**Streamlined Operations** 



## **Automation**







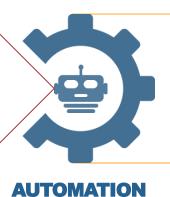
Threat Events



IOC Detection



Config Change



**ENGINE** 

Notifi





**Notification Quarantine** 

API Call

**ACTIONS** 

**TRIGGERS** 

AUTOMATED WORKFLOWS
(STITCHES) USING
TRIGGERS TO DELIVER
APPROPRIATE ACTIONS

- Easy creation using wizards
- Covers components within a security fabric

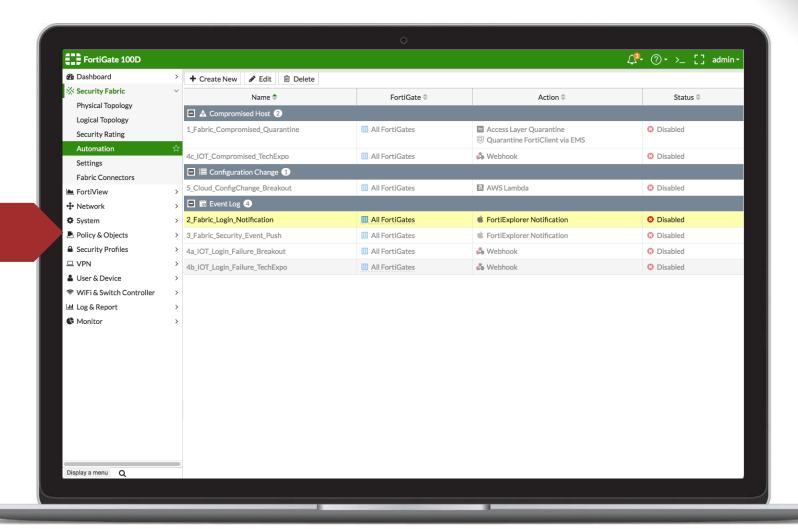
## 60

## **Automation**



### **STITCHES**

Wizard that assist admin to easily setup automation via predefined components





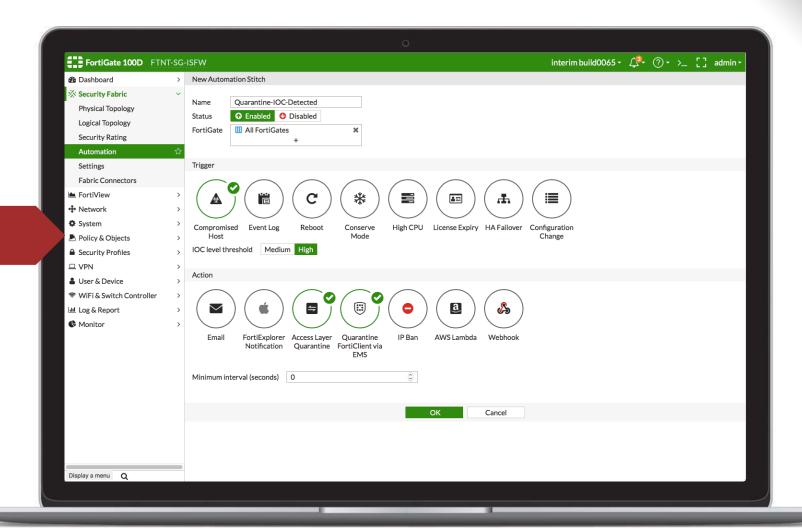
## 6.0

## **Automation**



## **QUARANTINE**

- Automatically quarantine compromised hosts via Stitch
- Option to do so using FortiClient via EMS or connection via FortiSwitch and FortiAP





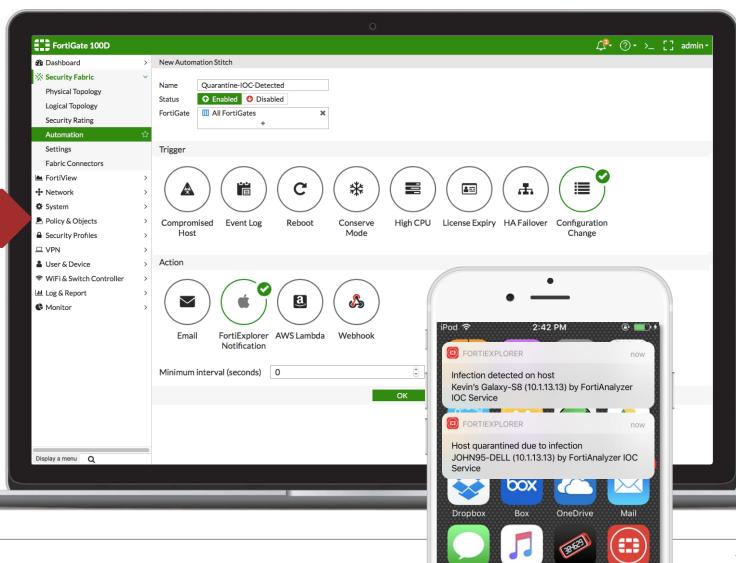
## 6.0

## **Automation**



## **NOTIFICATIONS**

 New iOS Push notification via FortiExplorer

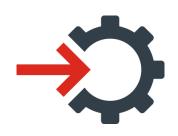


FortiToken FortiExplore



## 6.0

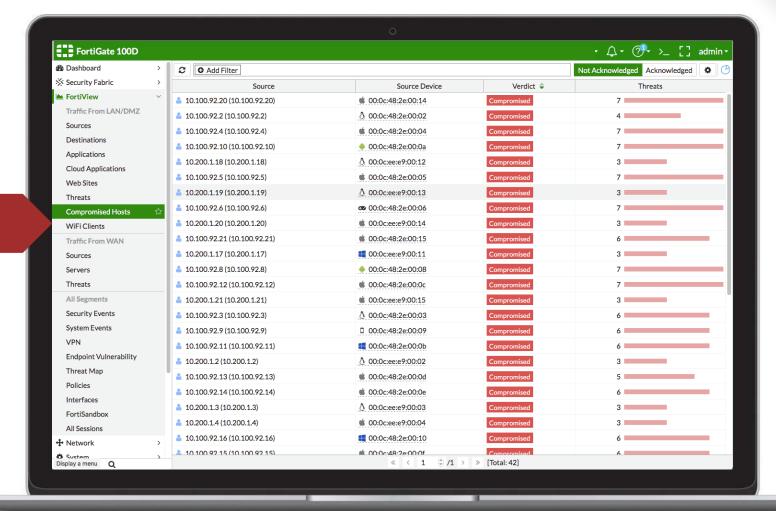
# **New Solution and Service Integration**



#### **IOC SERVICE INTEGRATION**

- Presenting IOC data from FAZ on FortiView and topology maps
  - » Retrieve data and show affected hosts on FortiGate
  - » Allow admin to quarantine affected hosts





## FortiCloud – Fortinet SaaS Cloud

- FortiCloud Key
- FortiDeploy
- Assign to FortiCloud or FortiManager

## **ZERO TOUCH DEPLOYMENT**



1 Year

FortiCloud Sandbox inspection



- Free 100 Files a day submission
- On Demand Upload Service



- Multi-Tenancy
- Deploy Templates and Scripts
- Role Privilege Assignment

#### **MANAGEMENT**

- Indicators of Compromise
- FortiView & Reporting

## **SECURITY ANALYTICS**

7 Day

free log retention & analysis

#### 1 Year

Log Retention & Analysis Subscription (unlimited Log volume)





# FortiCloud Security Analytics



Detect and mitigate all known threats including post infection with IoC



Discover and mitigate
unknown threats using
FortiCloud FortiView and
Sandbox



Rank	Severity	Recommendation
5	CRITICAL	Zero-Day Vulnerability
4	MEDIUM	Not Connected to Fabr
3	ADVISORY	Logging Disabled

**ACTION** 

# FortiCloud FortiDeploy

**Retail Use Case** 



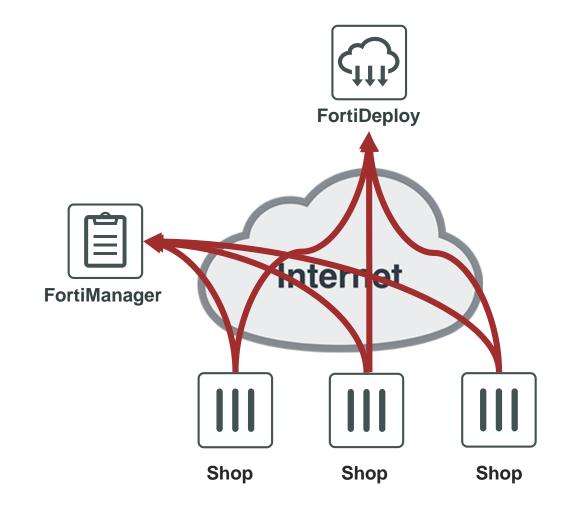
Zero – touch deployment



**Includes FMG onboarding automation** 

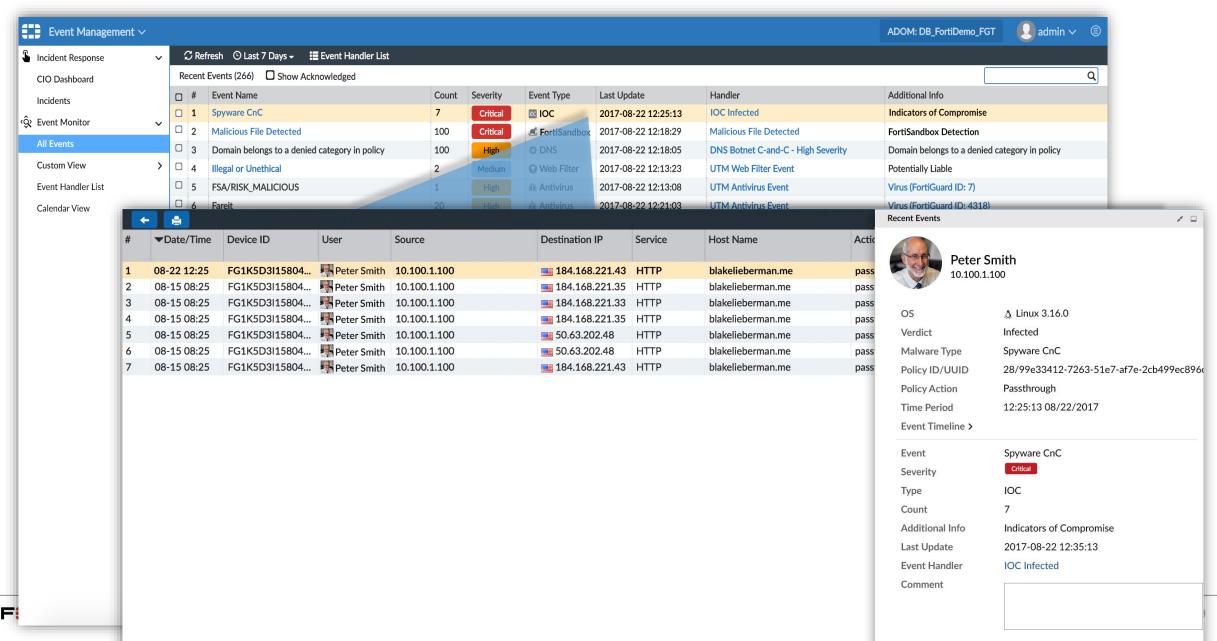


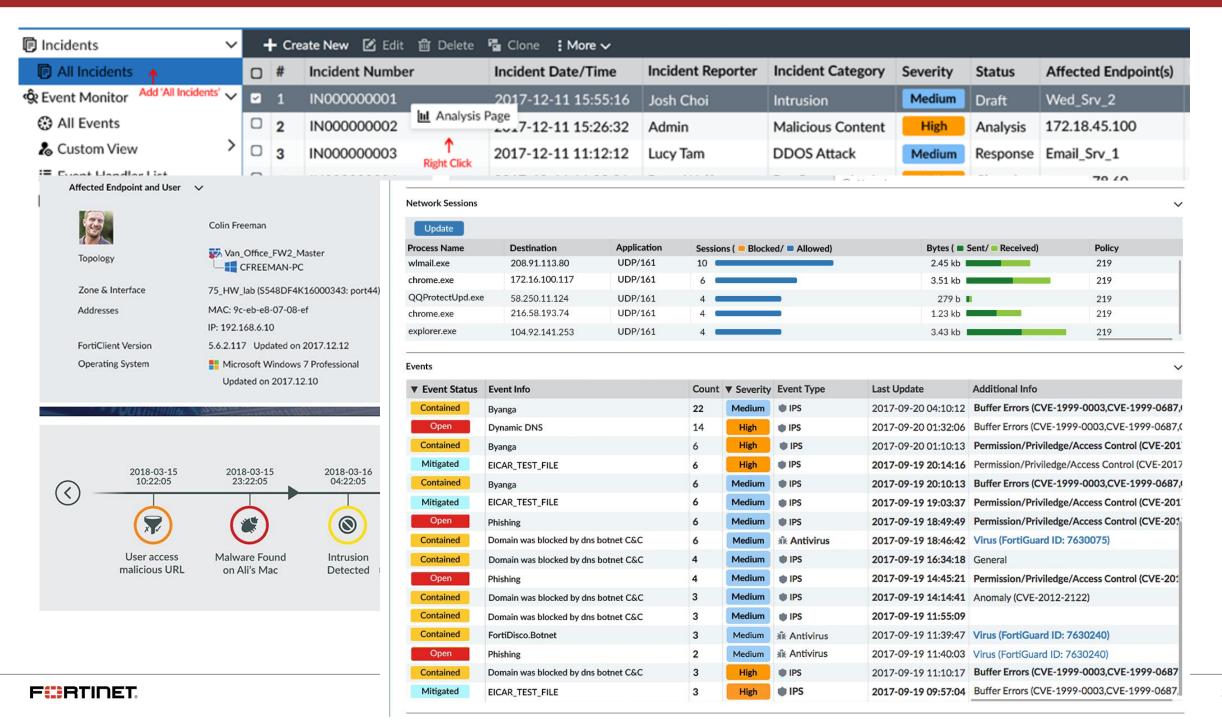
Scales to 10K's devices in different countries





# **BUILT IN CORRELATION (IOC)**









# **SD-WAN Improvements**

#### **PATH SELECTION STRATEGY**

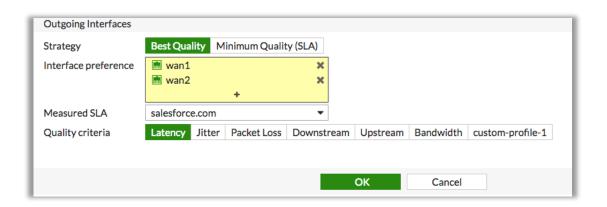
#### **BEST QUALITY**

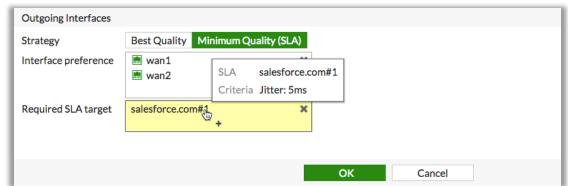
#### MIN. QUALITY (SLA)

Recommended Use Case

Administrators who prefer simplistic path selection, relying on preferred quality criteria

Administrators who desire granular threshold configurations per applications







#### **NETWORKING**

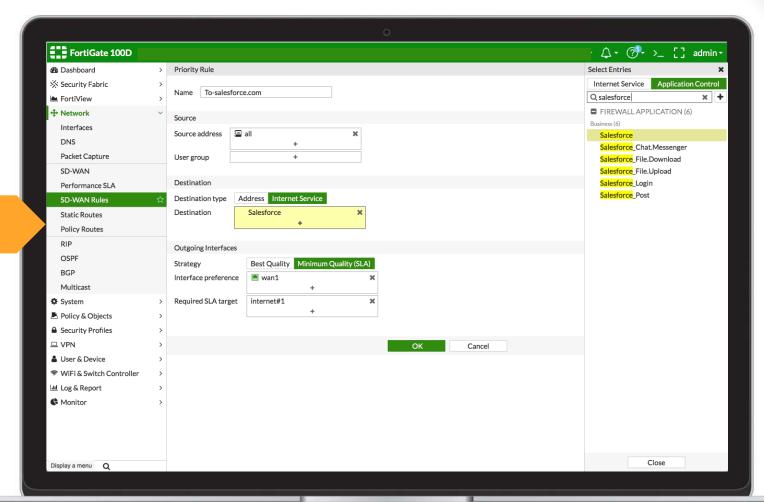
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# **SD-WAN Improvements**



### **APPLICATION AWARENESS**

- WAN Path Controller is able to route traffic using Application Control DB (with over 3,000 signatures), in addition to ISDB
- Once identified via application control, subsequent matching sessions are identified when seen next time on first packet



#### **NETWORKING**

## 6.0

# **VPN Configuration Enhancements**



## **CLOUD-ASSISTED ONE-CLICK VPN**

- Allows multiple sites of Fortigate to configure hub-and-spoke VPN with the help of FortiCloud on the backend.
- Can be implemented with FortiManager backup mode as another option



