

# SHIFT

## Bezpečnostní aspekty digitální transformace státní správy

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FORTINET®



# Network Security Leader

## Highlights: 2000 - present

 **FOUNDED IN  
2000**  
BY KEN XIE



**HEADQUARTERED IN  
SUNNYVALE  
CALIFORNIA**

**100+**  
**OFFICES**  
ACROSS  
THE GLOBE



**4,900+**



**EMPLOYEES WORLDWIDE**

IN EXCESS OF  
**\$1bn**  
REVENUE

**\$1.5bn**  
IN CASH



**24%**



**GROWTH  
YEAR ON YEAR**

**3.4m**

SHIPPED  
SECURITY  
DEVICES

**330K**  
CUSTOMERS

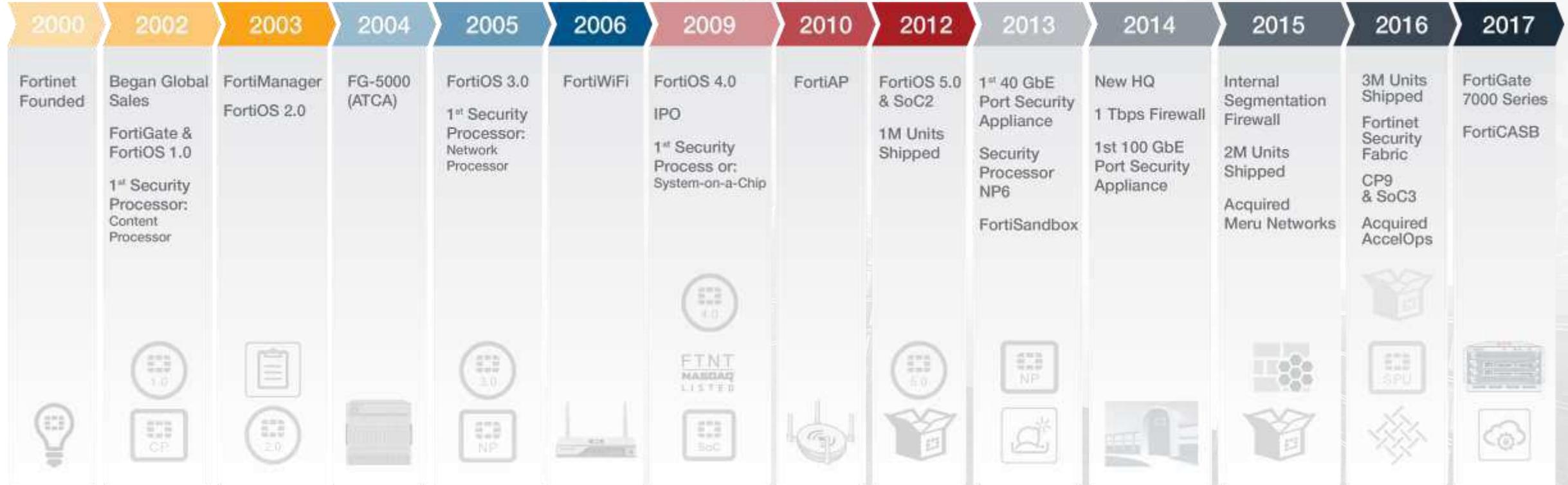


**439**  
**PATENTS  
ISSUED**

**291 IN  
PROCESS**



# Timeline of Innovation



# REMEMBER THIS?

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**TODAY'S NETWORK IS  
BORDERLESS**



**TODAY'S NETWORK IS  
FASTER THAN EVER**



**TODAY'S NETWORK IS  
MORE COMPLEX THAN  
EVER**

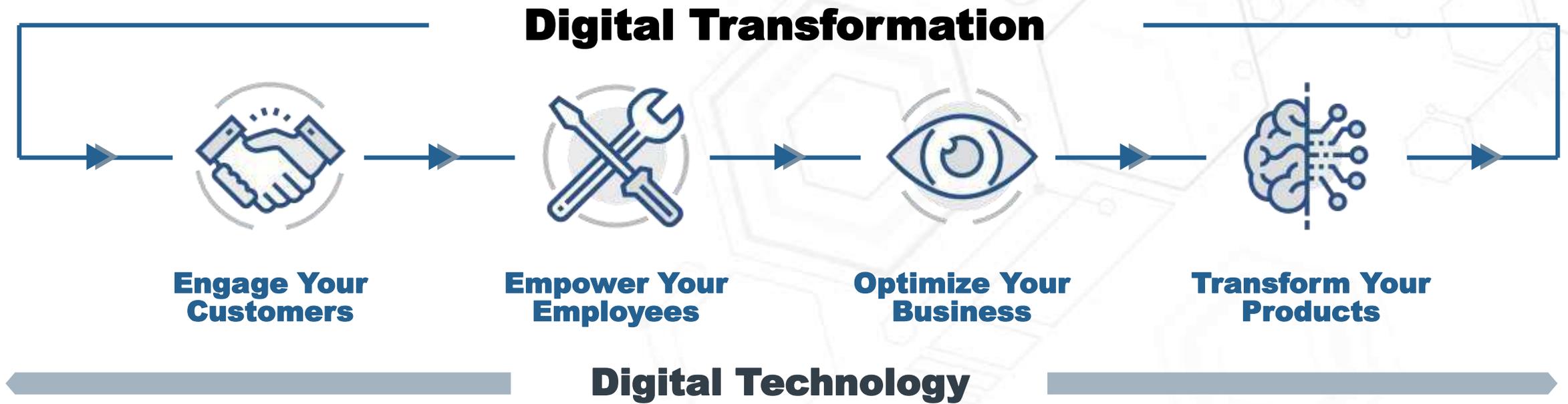


# DX

## [Digital Transformation]

is the integration of digital technology into all areas of a business, resulting in fundamental changes to how businesses operate and how they deliver value to customers

# DIGITAL TRANSFORMATION



# OBSTACLES TO DIGITAL TRANSFORMATION

Security is the largest factor standing in the way of enterprise digital transformation efforts. More than half (55%) of companies said that security was the No. 1 challenge they face when implementing digital enablement technologies

Source: SoftServe 2017

Cybersecurity one of Top 10 obstacles to Digital Transformation

Source: Harvard Business Review 2017

The biggest disruptive technologies cited by global respondents are the cloud (58%), mobility and collaboration (54%), big data (52%)...IoT (43%)

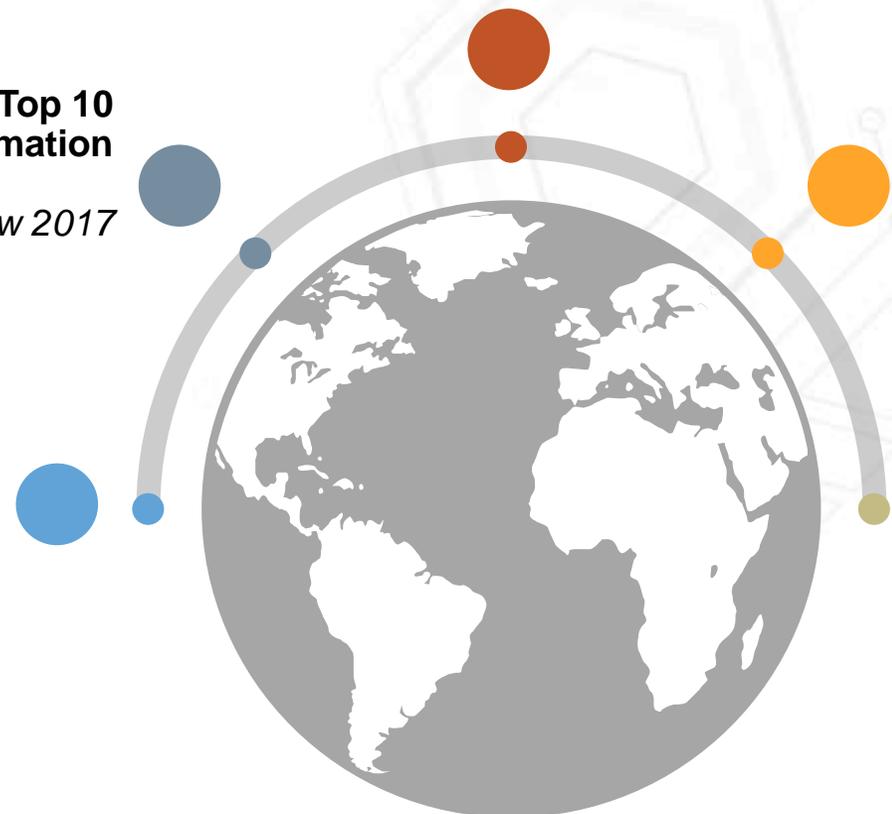
Source: BT CIO Report 2016

“Security nearly always tops the list of digital transformation obstacles”.

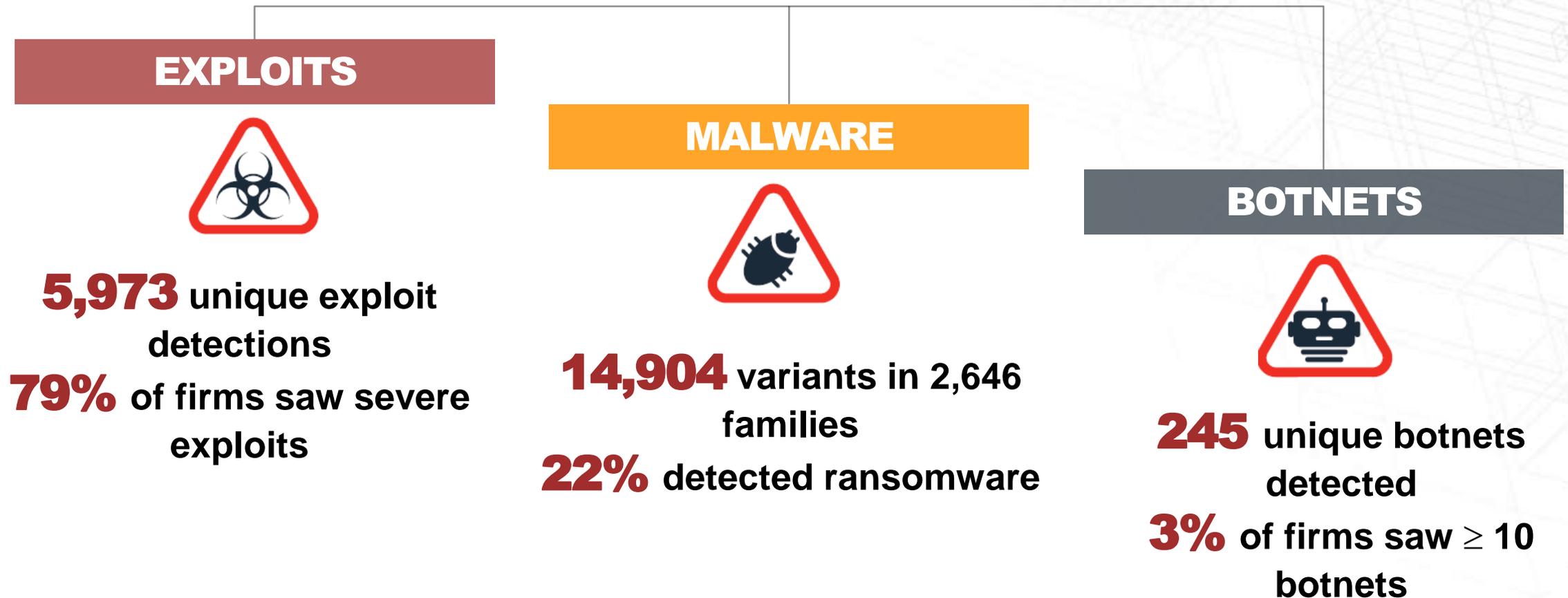
Marc Cecere, Forrester, ZD Net, 2017

Some 57% of businesses reported major issues finding and recruiting talented IT security staff—a problem as digital transformation efforts move more data and systems to the cloud, and cyber attacks grow more sophisticated.

Source: Osterman Research 2017



# Q3 2017 BY THE NUMBERS\* (some of the numbers)



\*FortiGuard Q3 2017 Threat Landscape Report

## **BUT STILL NEED TO LOOK BACKWARDS**

# **ELDERLY VULNERABILITIES ARE STILL DANGEROUS**

An hourglass icon with a grey frame and orange interior, symbolizing the passage of time. It is positioned on the left side of the slide, partially overlapping the main text area.

**90% OF ORGANIZATIONS**  
saw exploits for vulnerabilities  
that were at least **3 YEARS OLD**

**60%** saw ones that were  
**10 OR MORE YEARS OLD**

# THE OPTIONS IN FRONT OF US

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**01** Do Nothing...  
and Hope for the Best

**02** Maintain separate networks...  
and Hope for the Best

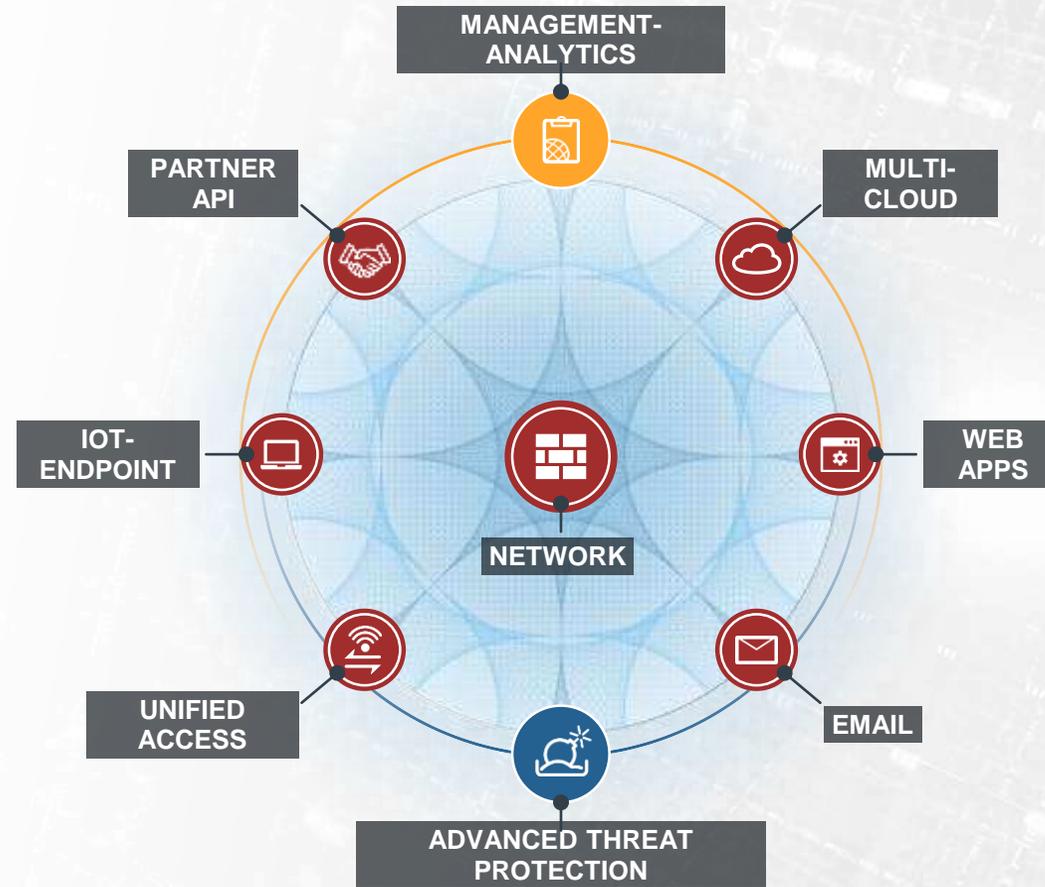
**03** Consolidate legacy and DX networks...  
and Hope for the Best

# SX

## [Security Transformation]

is the integration of security into all areas of digital technology resulting in fundamental changes to how security is architected, deployed and operated.

# FORTINET SECURITY FABRIC 2018



**A Security Architecture that is:**

**BROAD**

**Provides Visibility and Protection Across the Entire Digital Attack Surface**

**INTEGRATED**

**Multiple Technologies Working Together for the Detection of Advanced Threats**

**AUTOMATED**

**Embedded Intelligence for Automatic Response & Continuous Trust Assessment**

# **SOLUTIONS ARE DEAD, LONG LIVE SOLUTIONS**

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**APPLICATION  
SECURITY**



**SECURE  
ACCESS**



**ENTERPRISE  
FIREWALL**



**CLOUD  
SECURITY**



**ADVANCED  
THREAT  
PROTECTION**



**SECURITY  
OPERATIONS**

# Introducing The Fabric 8

## Network Security



**FortiGate**  
Enterprise Firewall

## Multi-Cloud Security



**FortiGate Virtual Firewall**  
Network Security



**FortiGate Cloud Firewall**  
Network Security

## Endpoint Security



**FortiClient**  
EPP

## Email Security



**FortiMail**  
Secure Email Gateway

## Web Application Security



**FortiWeb**  
Web Application Firewall

## Secure Unified Access



**FortiAP**  
Wireless Infrastructure



**FortiSwitch**  
Switching Infrastructure

## Advanced Threat Protection



**FortiSandbox**  
Advanced Threat Protection

## Management & Analytics



**FortiAnalyzer**  
Central Logging /Reporting



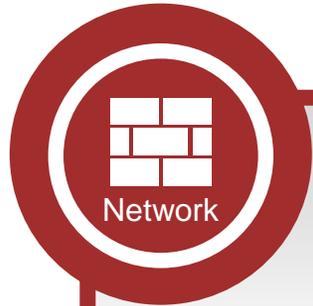
**FortiManager**  
Central Security Management



**FortiSIEM**  
Security Information & Event Management

# THE FABRIC 8

## Network Security



Products and services that provide high-performance, consolidated advanced security and deep visibility to protect the network from known and unknown threats



**FortiGate**  
Enterprise Firewall



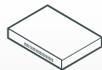
IPS



SWG



SD-WAN



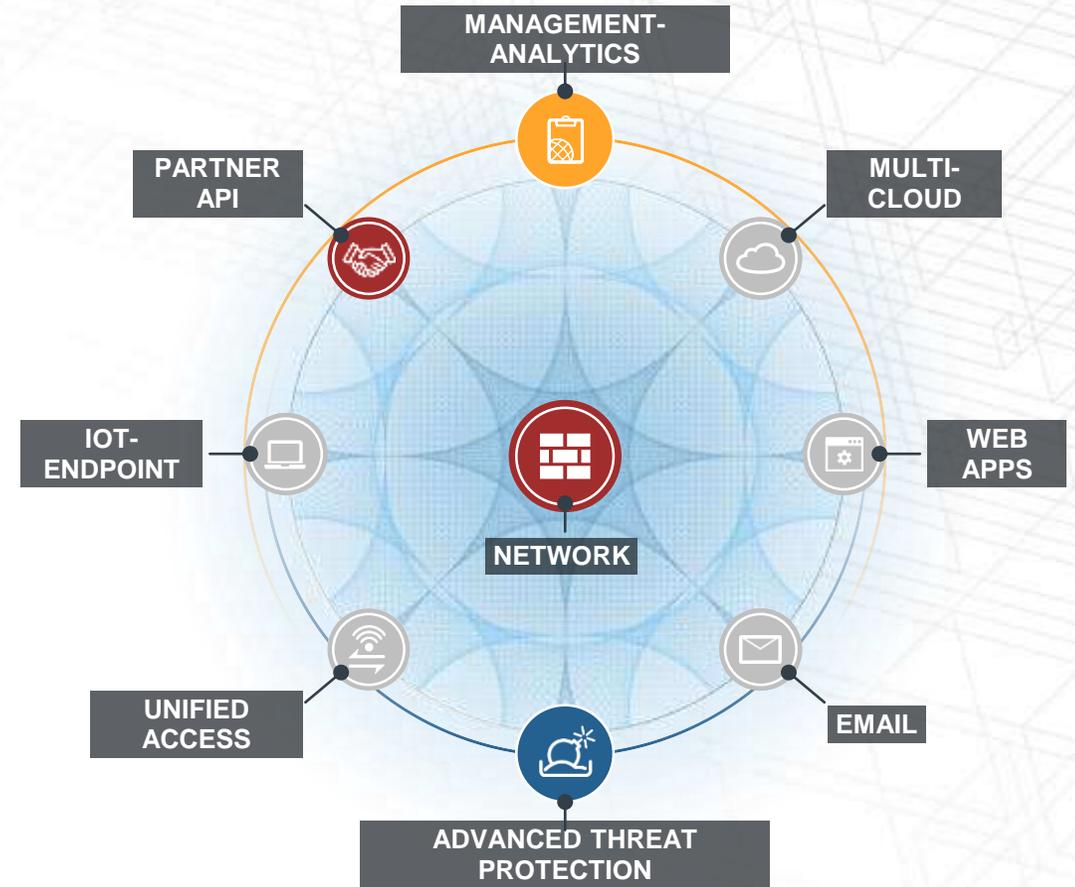
Appliance



Virtual  
Machine



Cloud



# THE FABRIC 8

## Multi-Cloud Security

Multi  
Cloud

**Products and services that protect the expanded attack surface across private cloud, public cloud and SaaS**

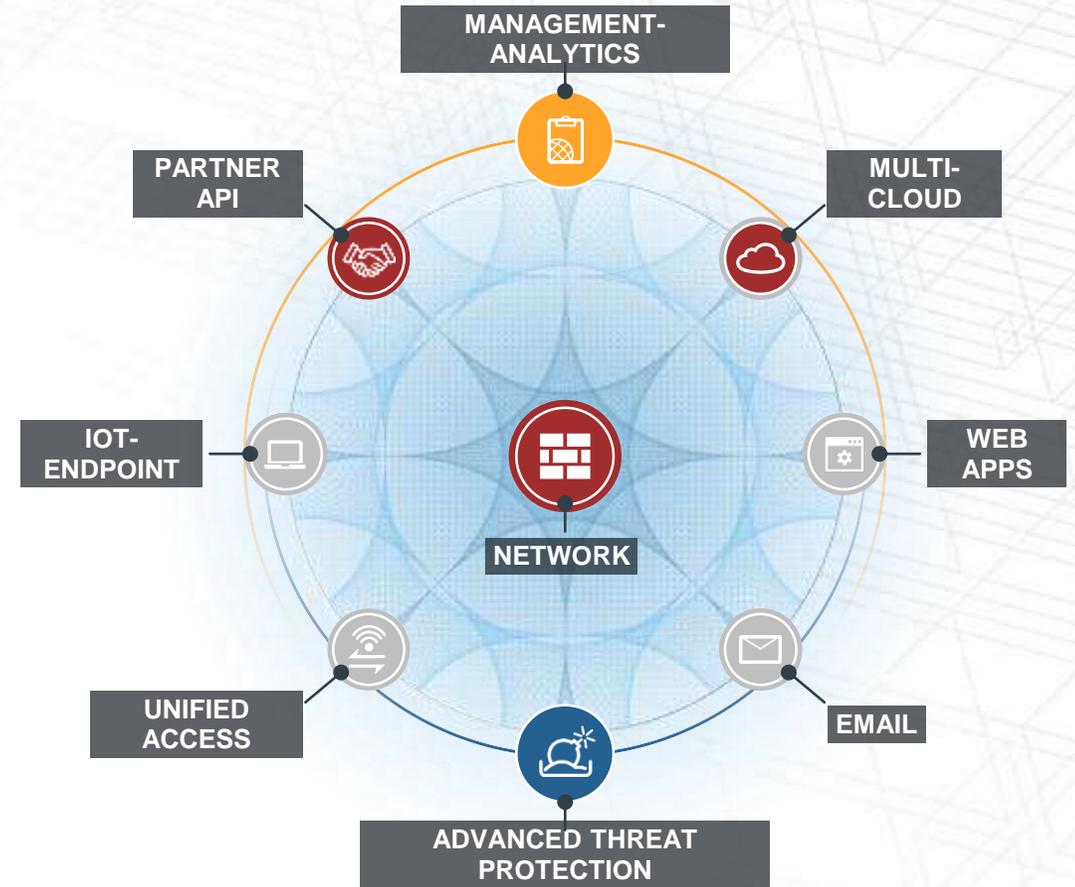
-  **FortiGate Virtual Firewall**  
Network Security
-  **FortiGate Cloud Firewall**  
Network Security
-  **FortiCASB**  
Cloud Access Security Broker
-  **Fortinet Connectors**  
Cloud & SDN Integration



Virtual Machine



Cloud



# THE FABRIC 8

## Secure Unified Access



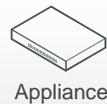
Products and services necessary to provide secure network connectivity, wired or wirelessly, to users of the Fortinet Security Fabric

**FortiWiFi**  
Integrated Wireless

**FortiAP, FortiWLC, FortiWLM**  
Wireless Infrastructure

**FortiSwitch**  
Switching Infrastructure

**FortiAuthenticator, FortiToken**  
Identity and Identity Management



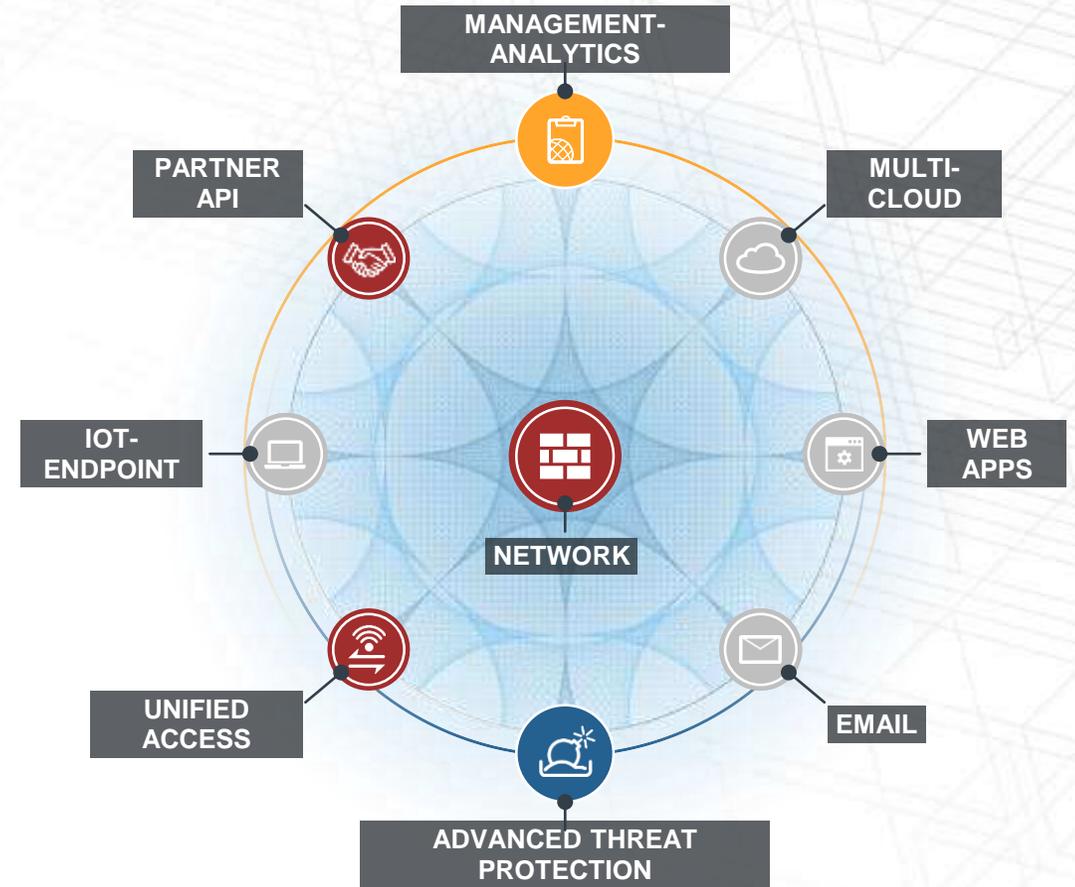
Appliance



Virtual Machine



Hosted



# THE FABRIC 8

## Web Application Security



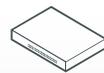
Products and services that protect web-based applications from threats that target known and unknown exploits



**FortiWeb**  
Web Application Firewall



**FortiADC**  
Application Delivery Controller



Appliance



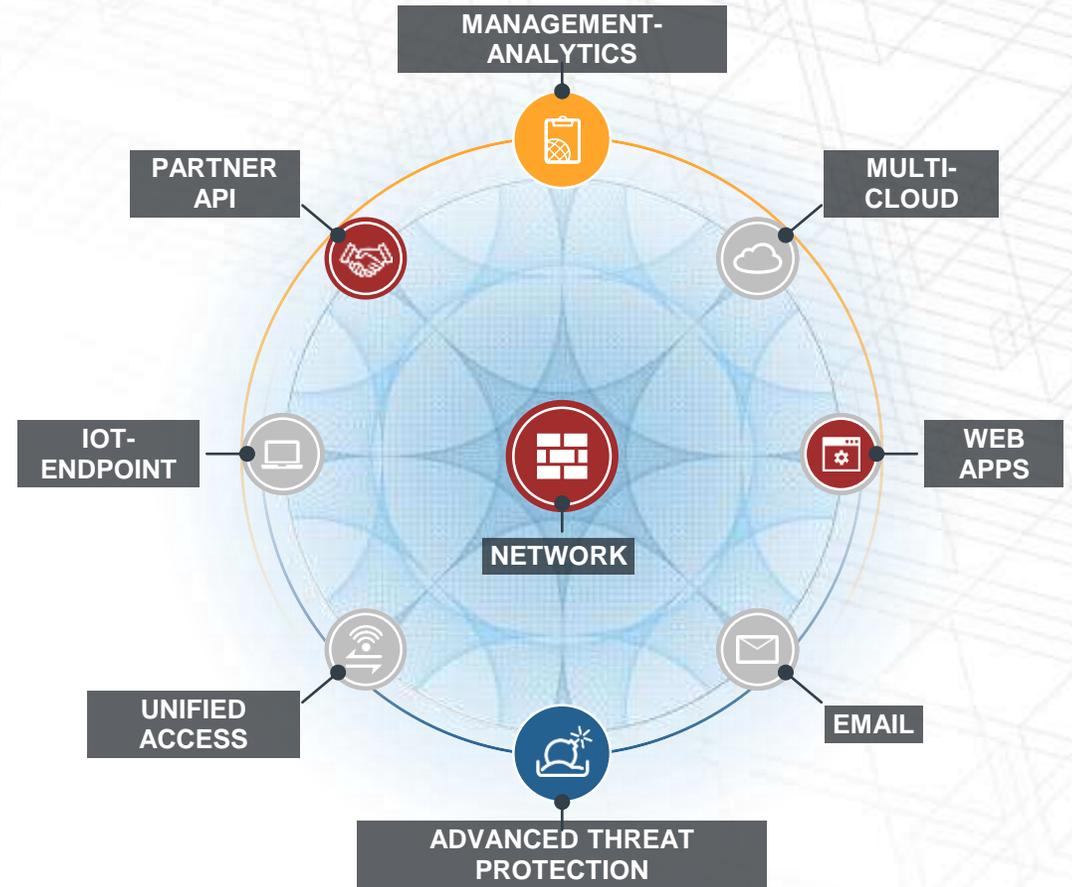
Virtual Machine



Hosted



Cloud



# THE FABRIC 8

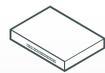
## Email Security



Products and services that inspect corporate email for unwanted (spam) and malicious (phishing, malware) messages as well as inappropriate or sensitive content



**FortiMail**  
Secure Email  
Gateway



Appliance



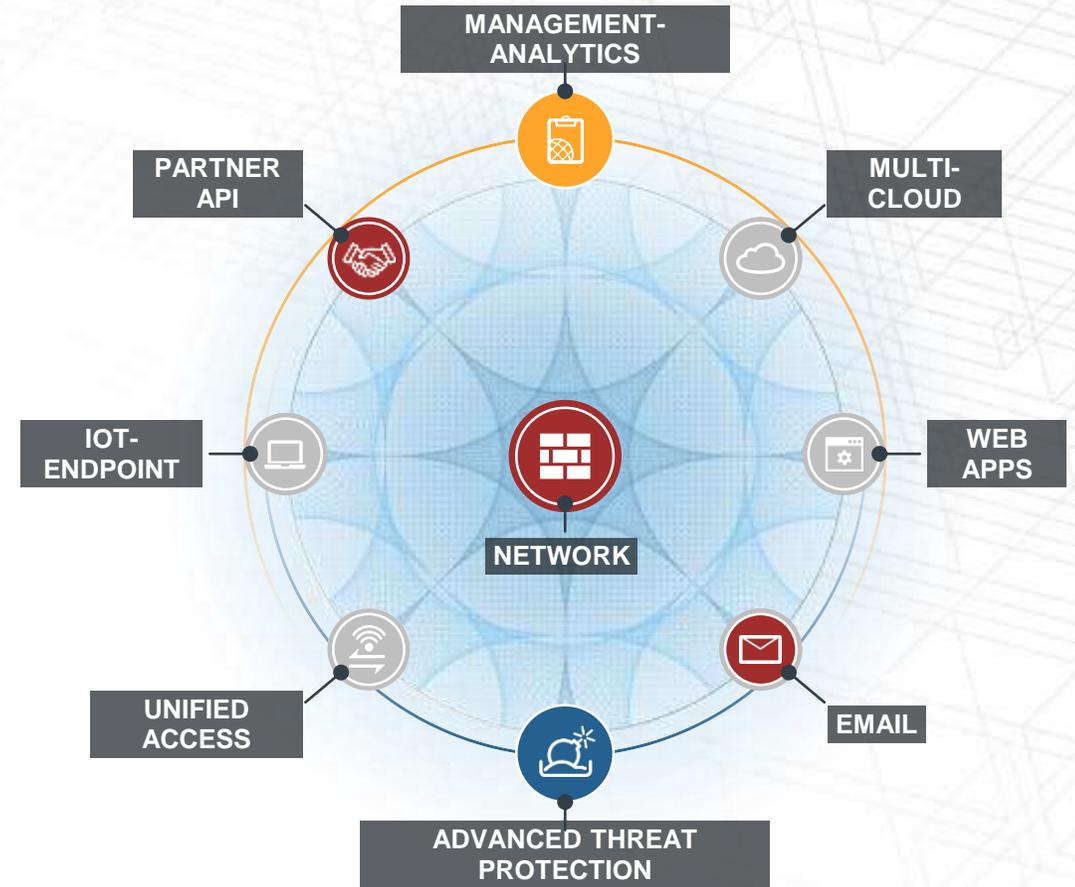
Virtual  
Machine



Hosted

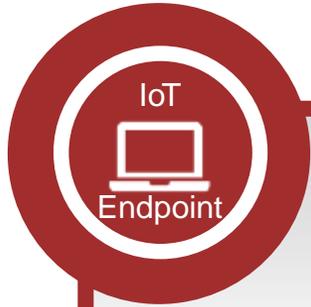


Cloud



# THE FABRIC 8

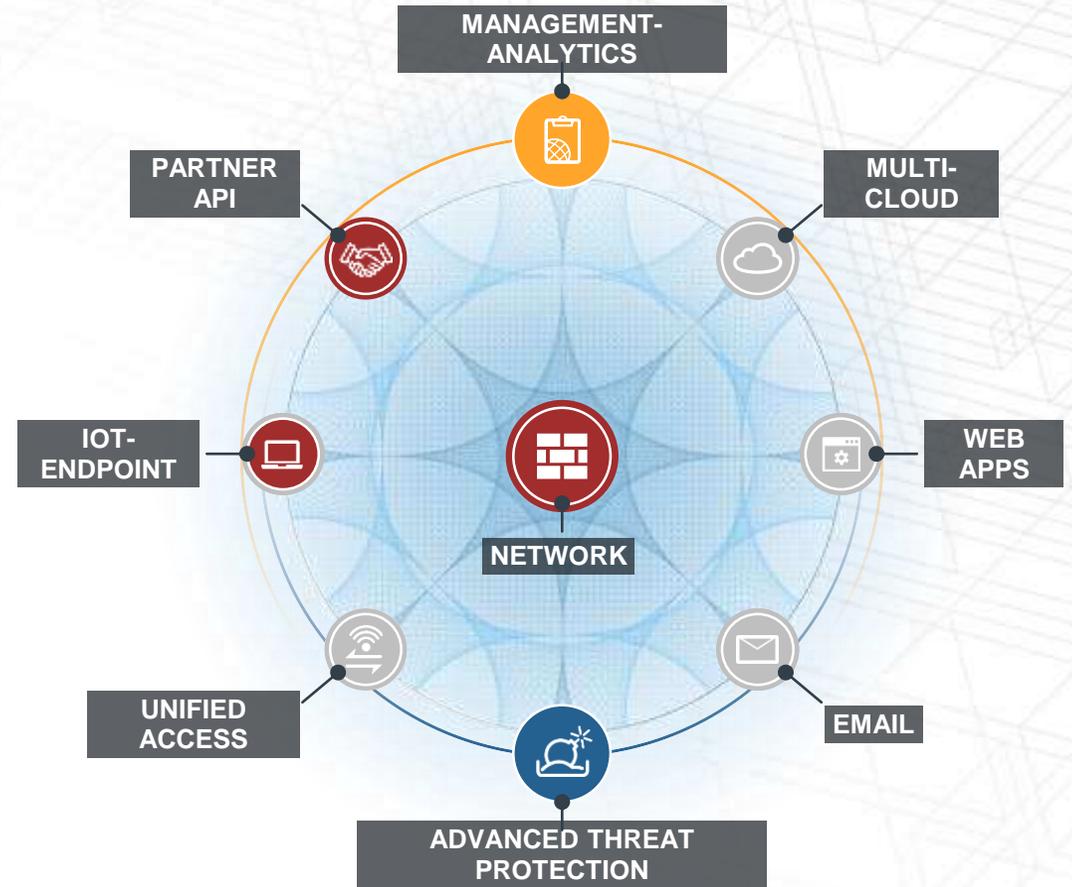
## Endpoint Security



Products and services that detect and block malicious objects delivered via web, email, network, or personal storage to an endpoint

 **FortiClient**  
NG Endpoint  
Protection Platform

 **Enterprise  
Management Server**  
Central Management



# THE FABRIC 8

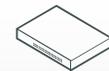
## Advanced Threat Protection



Products and services that continue inspecting for malware and other signs that cyber criminals have gained entry despite traditional threat prevention products (NGFW, SEG, EPP, WAF, etc)



**FortiSandbox**  
Advanced Threat Protection



Appliance



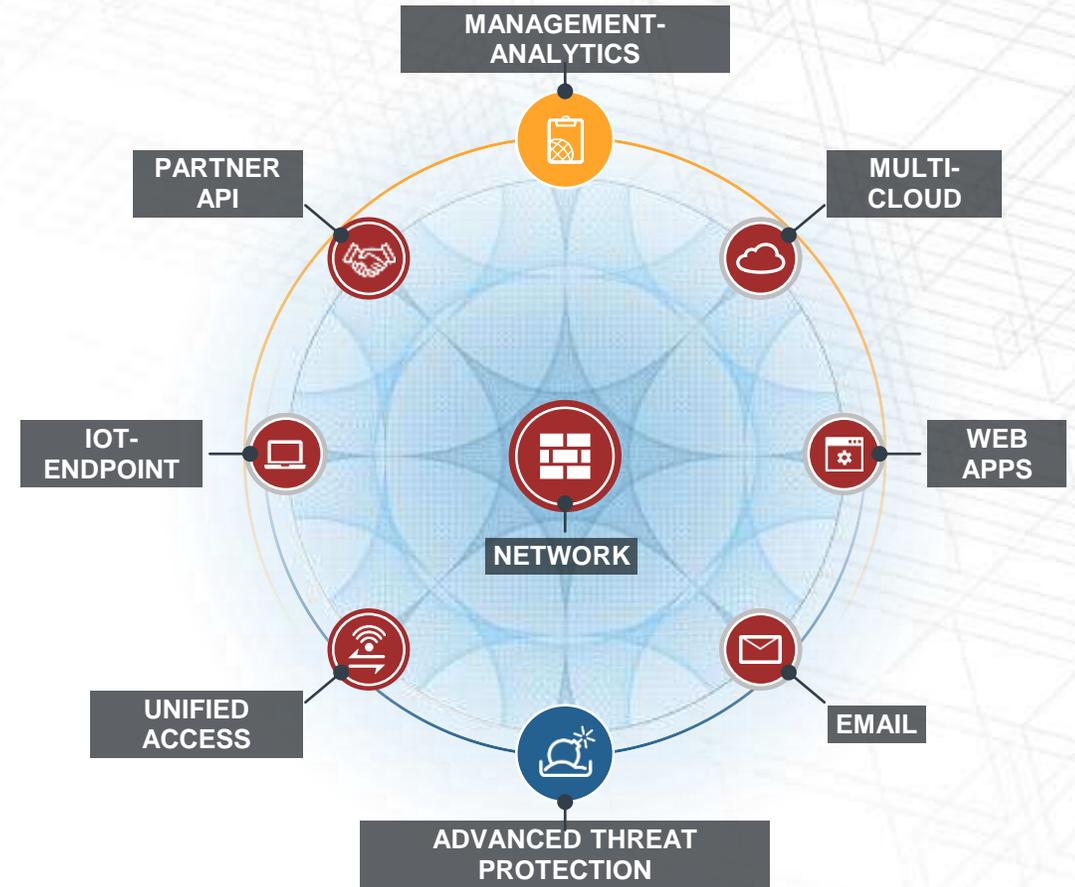
Virtual Machine



Hosted



Cloud



# THE FABRIC 8

## Management & Analytics



Products and services that weave Fortinet and partner products into a cohesive solution, uncovering hidden insights and reducing the total cost of ownership

**FortiAnalyzer**  
Central Logging & Reporting

**FortiManager**  
Central Security Management

**FortiCloud**  
Cloud-based Central Management

**FortiSIEM**  
Security Information & Event Management



Appliance



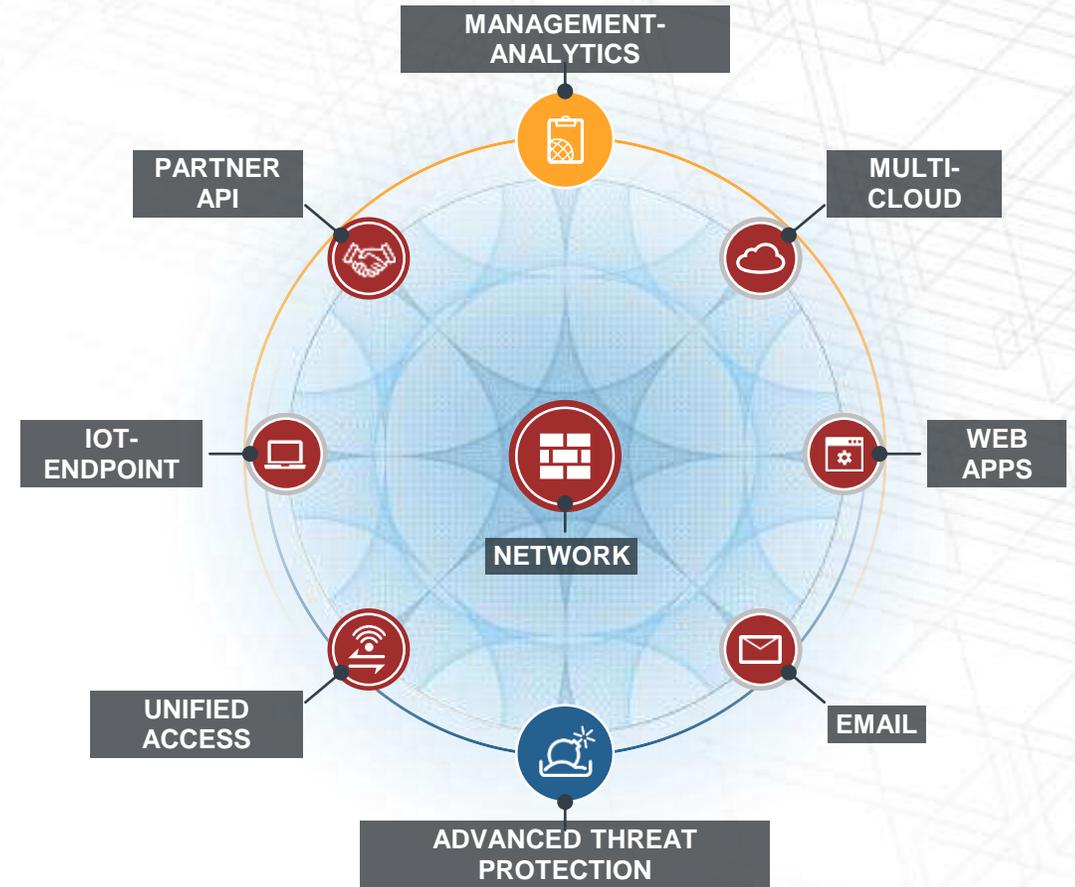
Virtual Machine



Hosted



Cloud



# WHERE DOES IT GO FROM HERE?

- Changing Business Objectives and Requirements
  - » Digital Transformation is today's focus
- Technology
  - » Cloud and IoT Today – Who Knows Tomorrow
- Threats
  - » Organizations create cyber value, Hackers are there to take it away
- Fortinet Security Fabric *IS* the Constant in this Sea of Change



# **SHIFT**

**DĚKUJI ZA POZORNOST**

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