

The Fortinet logo is positioned in the upper left quadrant of the slide. It features the word 'FORTINET' in a bold, black, sans-serif font. The letter 'O' is replaced by a red square with a white grid pattern. A red horizontal bar is located above the logo.

Cybersecurity for SAP, Everywhere You Need It.

Securing SAP Solutions for the Digital Enterprise

Roland Wartenberg / SAP Alliance / Fortinet, Inc.

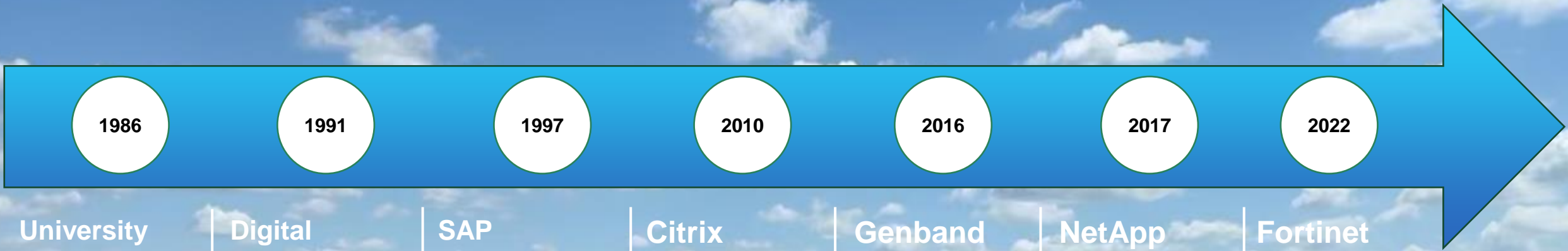
A decorative grid of small gray dots is located in the bottom right area of the slide, partially overlapping a light gray rounded rectangle and a teal rounded rectangle.

House keeping

1. The slides with the SAP logo in the upper right corner are either original SAP slides or are based on content produced/owned by SAP
2. This is an interactive session.
Have your smart phones ready.
3. Tips are welcome.
My Bitcoin wallet number is ... 😊



An SAP life ...



University

- Artificial Intelligence
- Robotics
- Electrical Engineering
- Applied Computer Graphics
- System and Network Administrator

Digital Equipment

- Consultant
- Digital Archiving
- SAP

SAP

- Premium Consultant
- Dev Manager / Product Owner
- Chief Virtualization Evangelist
- SAP Bigband

Citrix

- Global SAP Alliance

Genband

- SAP & ISV Channels

NetApp

- Global SAP Alliance
- Alliances for Data Protection, Security, Big Data, IoT, AI

Fortinet

- SAP Alliance

Fortinet is one of the largest cybersecurity companies in the world.



Founded: **October 2000**

Founded by: **Ken Xie and Michael Xie**

Headquarters: **Sunnyvale, CA**

Fortinet IPO (FTNT): **November 2009**

Listed in both: **NASDAQ 100 and S&P 500 Indices**

Member of: **2023 Dow Jones Sustainability World and North America Indices**

Global Customer Base

730K+

Customers

>50%

Global Firewall
Shipments

2023 Billings

\$6.4B+

(as of Dec. 31, 2023)

~\$2.5B+

Investment in Innovation
since 2017, with 91% R&D
(as of Dec. 31, 2023)

Market Capitalization

\$44.5B

(as of Dec. 31, 2023)

Security Investment
Grade Rating:

BBB+ Baa1

Global Reach and Support

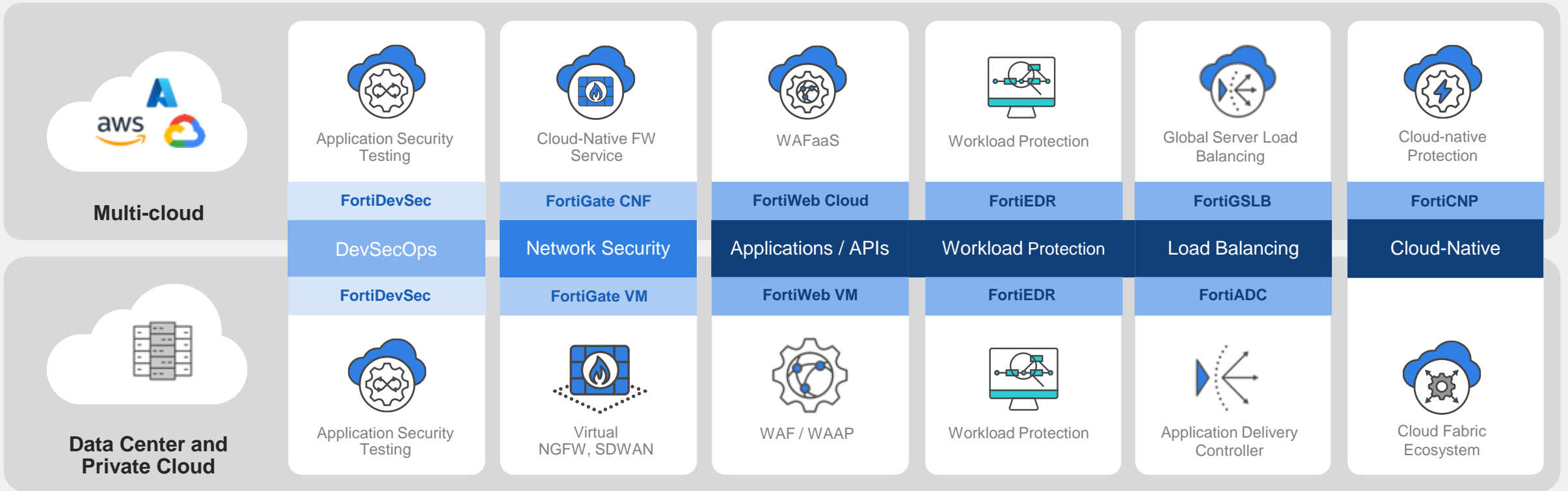
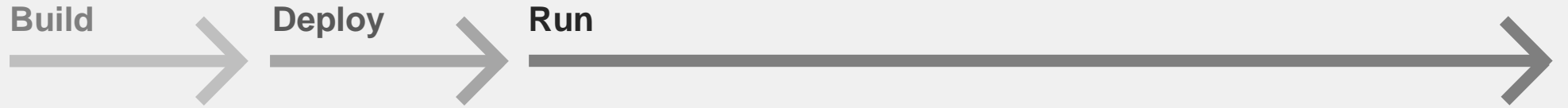
Majority of our R&D is based in North America

13,500+
Employees
Worldwide

100+
Global Cloud
Locations



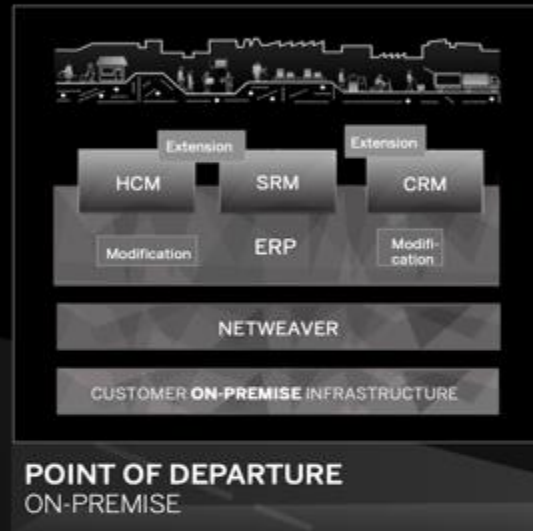
Consistent Security for Applications That Can Live Anywhere



FortiManager / Security Fabric

FortiGuard AI-Powered Security Services

SAP customers' transformation journey



WITH AGILITY & SPEED



SAP's approach to security

Cloud solutions from SAP

Business technology platform

SAP S/4HANA

Line-of-business solutions



Deliver trusted cloud operations while helping protect customers' SAP applications and data



Build securely



Software development
Secure software development and operations lifecycle



Security solutions and features
Solutions and features for enhanced security



Cloud environments
Secure-by-design environments (SAP and cloud service providers)

Data security
to help protect confidentiality and integrity of data



Run securely



Automated
Preventive and detective controls



Integrated
Intelligence, operations, and response orchestration



Transparent
Attestations and reports for our security processes and controls

Business process security
to support compliance with regulatory requirements



Act securely



Employees
Security is part of our DNA affecting how we organize, train, and protect people and assets



Customers
Feedback loop supports continuous improvement



Partners
Vast partner ecosystem enhances security

Risk mitigation
with continuous improvement across operations

Zero trust architecture

Shared fate

Frameworks (NIST and ISO)



SAP Security Patch Day – April 2024

SAP Security Patch Day – April 2024

This post shares information on Security Notes that remediates vulnerabilities discovered in SAP products. SAP strongly recommends that the customer applies patches on priority to protect their SAP landscape.

On 9th of April 2024, SAP Security Patch Day saw the release of 10 new Security Notes. Further, there were 2 updates to previously released Security Notes.

Note#	Title	Severity	CVSS
3434839	[CVE-2024-27899] Security misconfiguration vulnerability in SAP NetWeaver AS Java User Management Engine Product - SAP NetWeaver AS Java User Management Engine, Versions - SERVERCORE 7.50, J2EE-APPS 7.50, UMEADMIN 7.50	High	8.8
3421384	[CVE-2024-25646] Information Disclosure vulnerability in SAP BusinessObjects Web Intelligence Product - SAP BusinessObjects Web Intelligence, Versions - 4.2, 4.3	High	7.7
3438234	[CVE-2024-27901] Directory Traversal vulnerability in SAP Asset Accounting Product- SAP Asset Accounting, Versions - SAP_APPL 600, SAP_APPL 600, SAP_APPL 600, SAP_APPL 600, SAP_APPL 600, SAP_APPL 600, SAP_FIN617, SAP_FIN 618, SAP_FIN700	High	7.2
3442741	Stack overflow vulnerability on the component images of SAP Integration Suite (EDGE INTEGRATION CELL) Product - SAP Edge Integration Cell, Versions older than 8.13.5	Medium	6.8

Understand Your Cloud Exposure
Learn how Wiz scans resources and identifies risk

Microsoft Fixes 149 Flaws in Huge April Patch Release, Zero-Days Included

Apr 10, 2024 Newsroom Patch Tuesday / Endpoint Security



Microsoft has released security updates for the month of April 2024 to remediate a record 149 flaws, two of which have come under active exploitation in the wild.

MAZEBOLT

Without RADAR With RADAR

Continuous DDoS vulnerability testing with RADAR

GET A DEMO

rewind

Goodbye, Atlassian Server. Goodbye... Backups?



SAP's approach to security

Cloud solutions from SAP

Business technology platform

SAP S/4HANA

Line-of-business solutions



Deliver trusted cloud operations while helping protect customers' SAP applications and data



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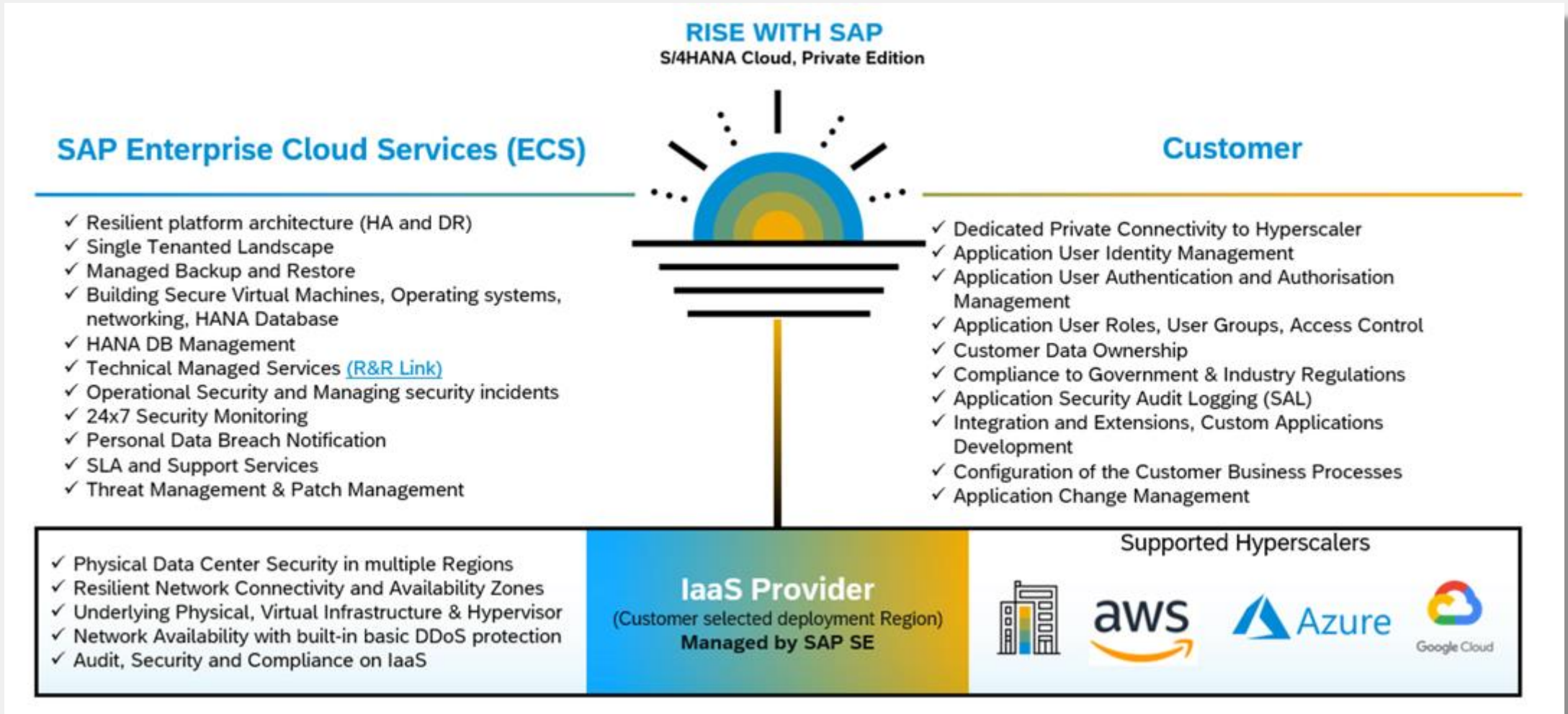
Zero trust architecture

Shared fate

Frameworks (NIST and ISO)



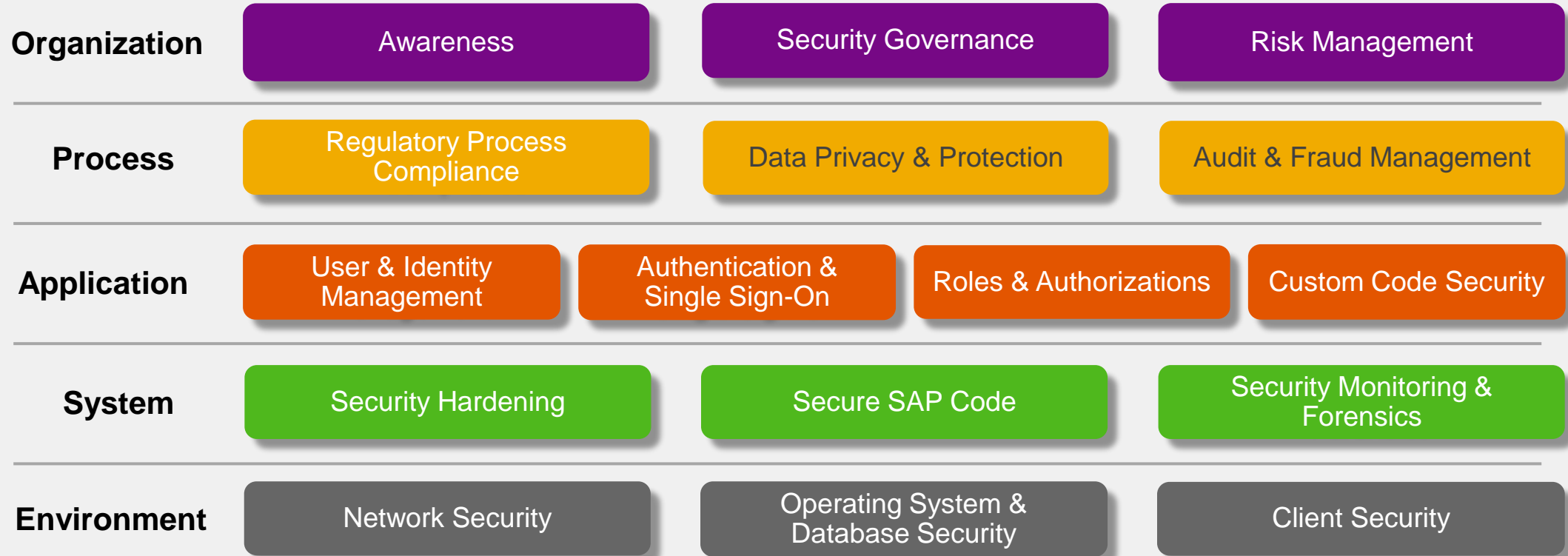
SAP's shared security responsibility model



Source: [Securing RISE with SAP](#)



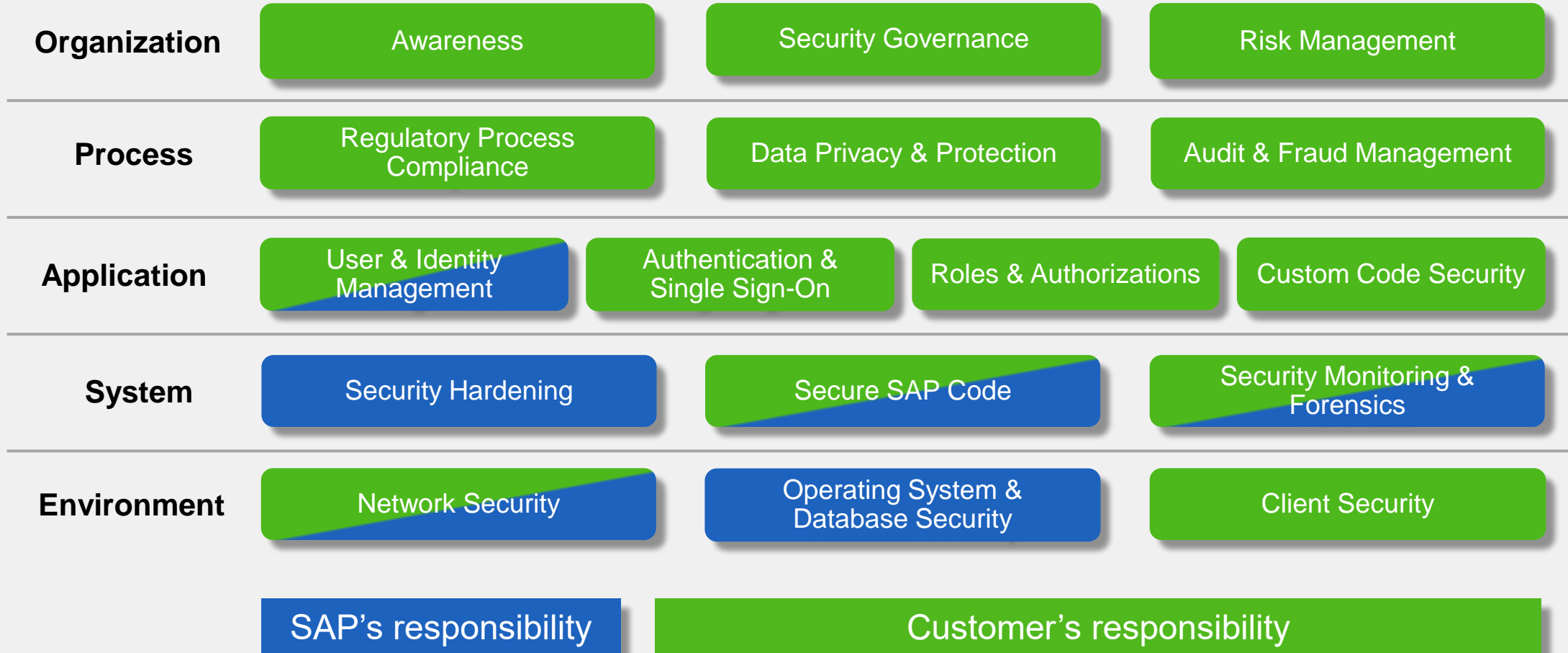
SAP Secure Operations Map



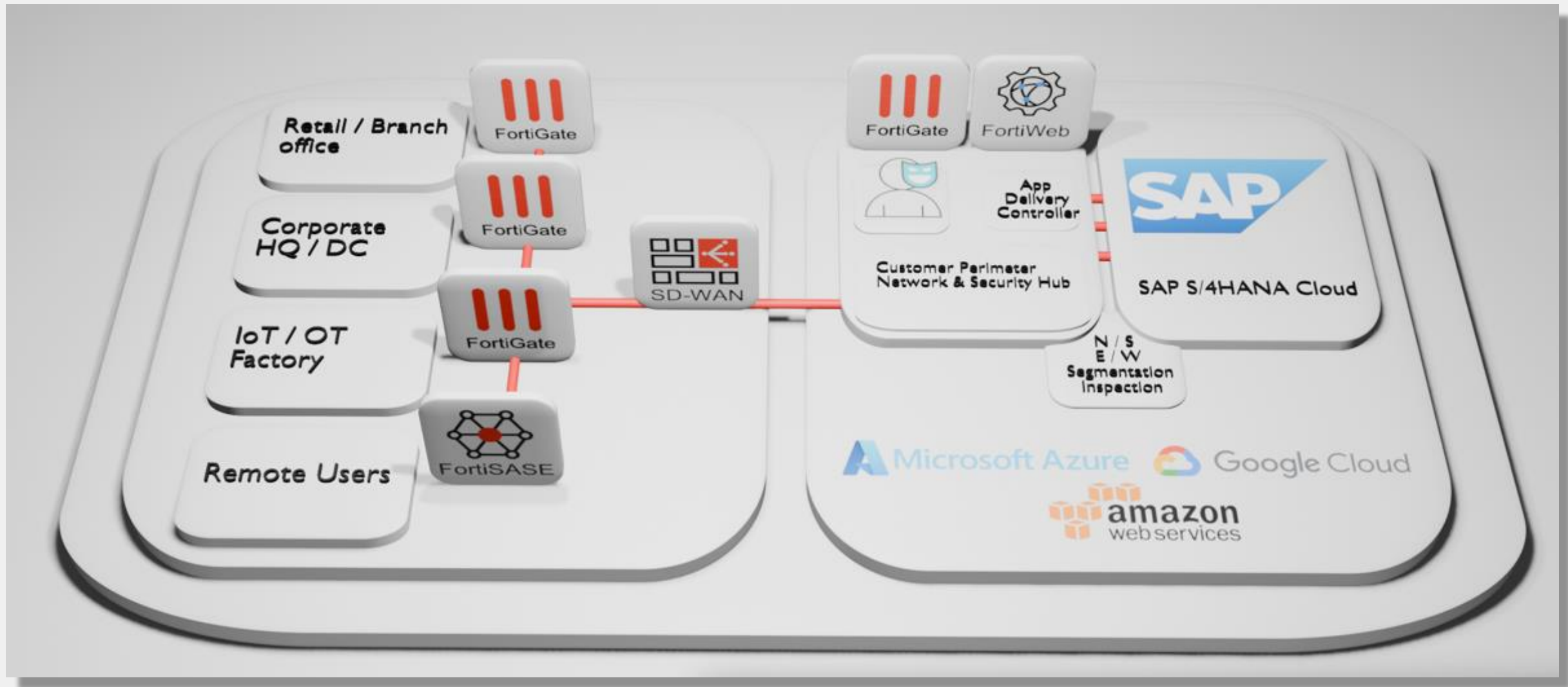
SAP Secure Operations Map



Core & shared responsibilities per architectural setup for RISE



Schematic Fortinet/SAP landscape



ASUG 2024 Pulse of the SAP Customer Research

SAP S/4HANA Cloud Environments



Cloud (Private, Managed
Cloud, Public Cloud)

62%



Hybrid Cloud

18%



On-premise bare metal or
basic virtualized systems

21%

Highlights Customer Responsibility

RISE with SAP and Fortinet

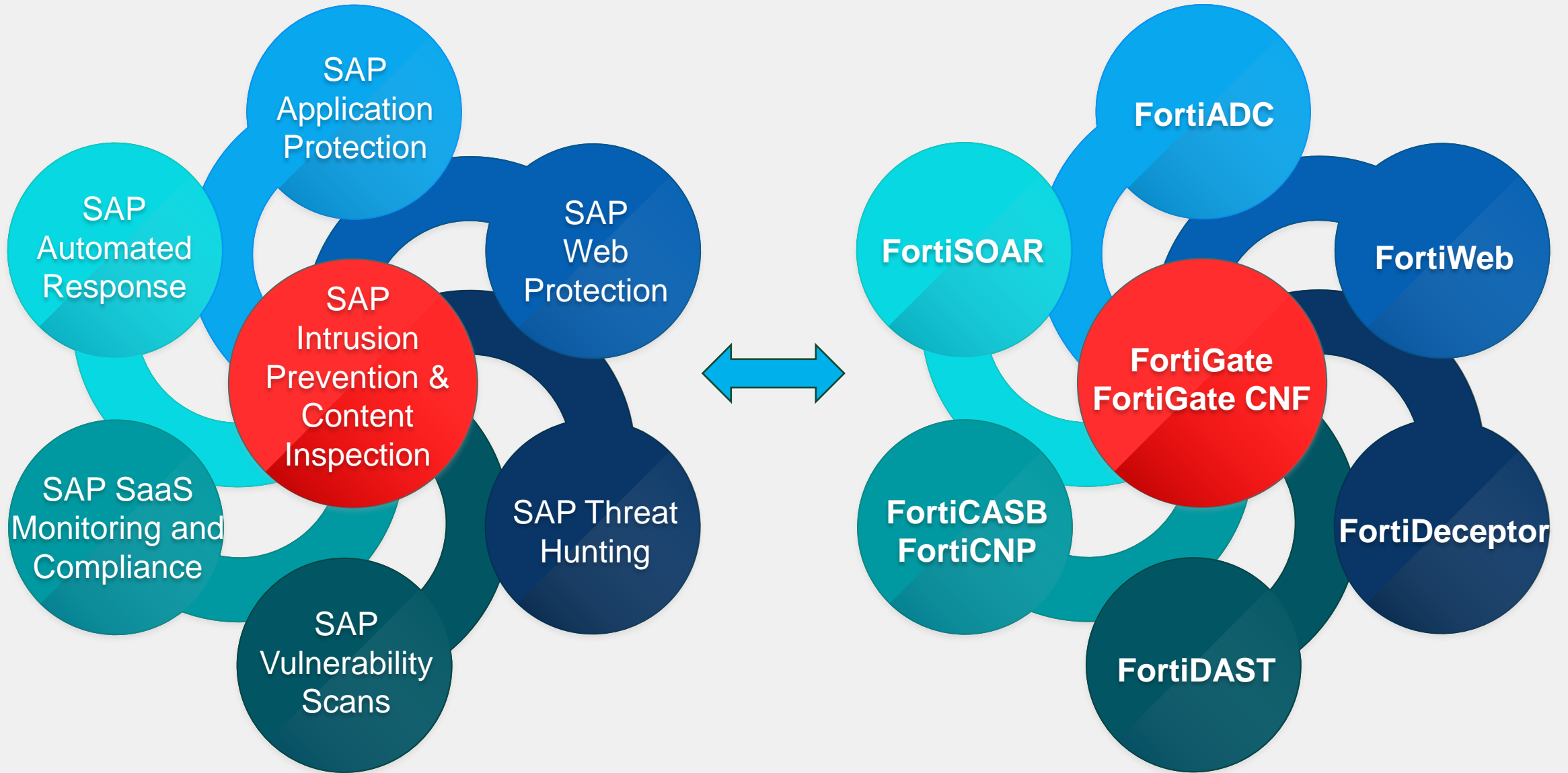
Customer Responsibility	What it means	Fortinet solution
Dedicated Private Connectivity to Hyperscaler	Customers need to implement a Customer Security Hub in Hyperscaler and secure N/S and E/W traffic to hub and to RISE with SAP environment	FortiGate SD-WAN to create private connectivity to Hyperscalers and secure N/S traffic; FortiGate NGFW to secure E/W traffic; FortiWeb WAF to secure Web application traffic
Compliance to Government & Industry Regulations	Customer is responsible to meet various compliance regulations	FortCNP can verify if compliance criteria are met and report issues and alerts
User Management	Customer is responsible to deploy users with authentication, providing authorizations and secure access	FortiClient enables zero-trust architecture. FortiSOAR uses automated playbooks to add/remove users from SAP applications (using Entra if needed)
Integrations and Extensions / Custom Applications Development	Customer is responsible for securing application integration when extending their applications to cloud and other applications	FortiADC and FortiWeb provide services for Web Application Firewall and API protection when interacting with other SaaS or cloud applications



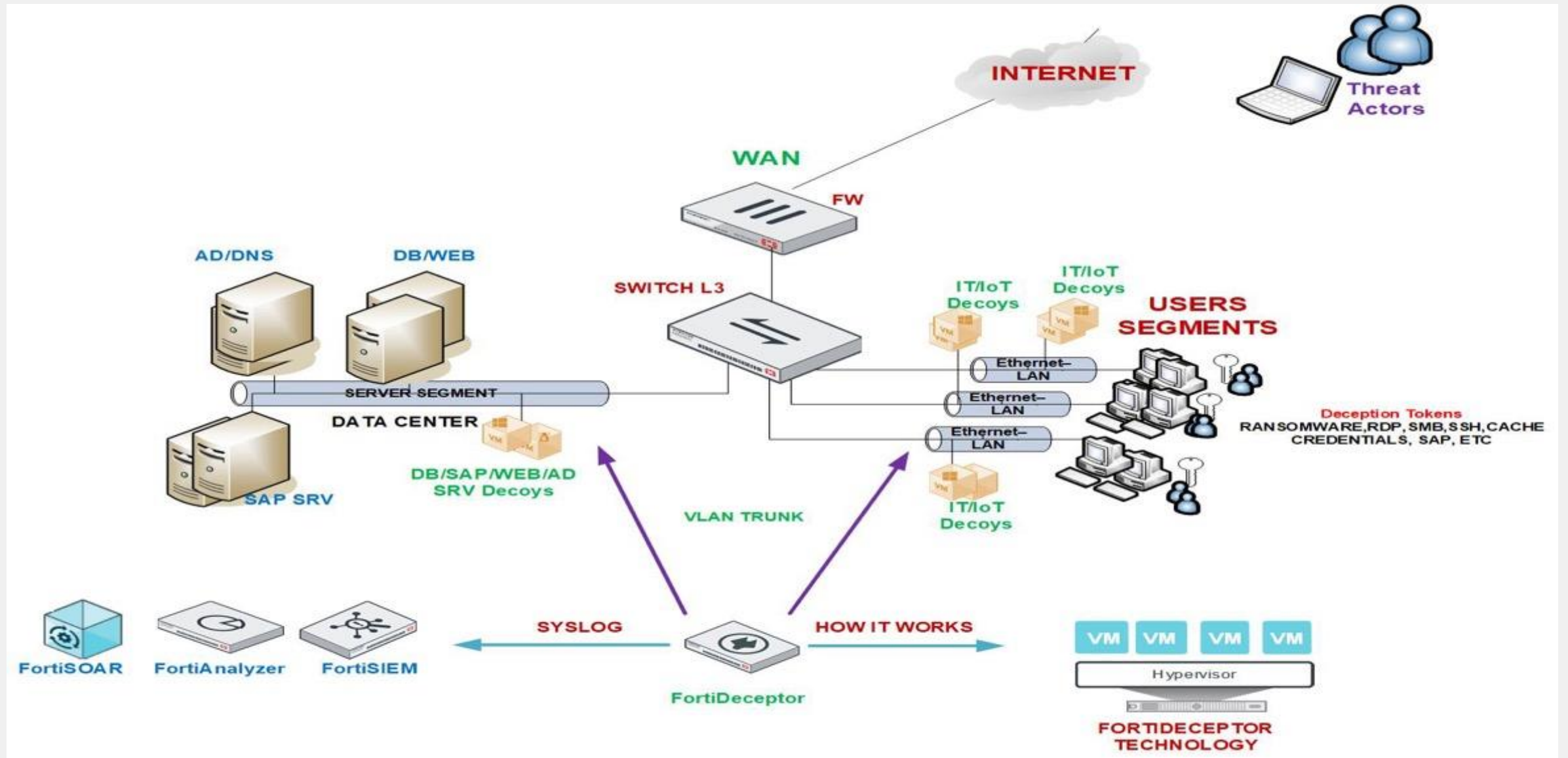
Fortinet Products integrated with SAP deployment

Product	Integration	RISE/GROW/self with SAP
FortiGate	Application Control	Yes (segmentation within SAP controlled environment not available)
	Intrusion Prevention	Yes (segmentation within SAP controlled environment not available)
	SDN Connector for SAP	-
FortiADC	Web Application Firewall	Yes
	API protection	Yes
	SAP Connector	-
FortiWeb	Web Application Firewall	Yes
	API protection	Yes
FortiDeceptor	SAP Decoy	Yes, when decoy is deployed in customer-controlled network
FortiDAST	SAP Exploit Signatures	Yes
	SAP Vulnerability Scanner	Yes
FortiCASB	SAP SuccessFactors (DLP/AV)	Yes
	SAP IAS	Yes
FortiCNP	Cloud Infrastructure compliance	Yes (SAP SaaS Applications not included)
FortiSOAR	SAP ETD Connector	Yes (FortiSOAR not yet integrated with SAP ETD Cloud edition)
	SAP RFC Connector	Yes
FortiFlex	Flexible, points-based usage licensing that simplifies procurement and operational overhead	

Fortinet Use Cases and Products for Securing SAP

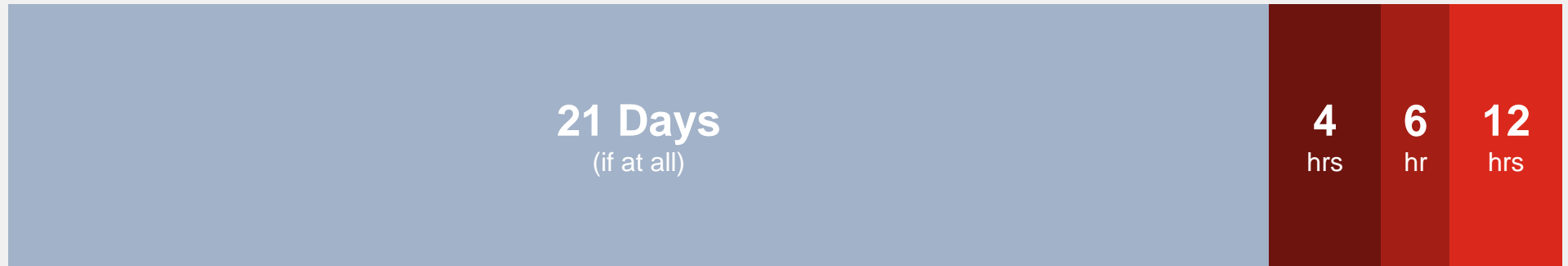


SAP Attack Simulation – LAB Diagram



Speed The Time to Fully Investigate and Remediate Incidents from 18.5 Hours to an Average of 10 Minutes.

Before



After

Fortinet SecOps Platform



■ Time to Detect ■ Time to Contain ■ Time to Investigate ■ Time to Remediate



SAP Security isn't like other Security



Visibility into SAP
Protocols and
communications



SAP Specific
Vulnerabilities and
Attacks



Requires both N/S
and E/W security



Reconnaissance
detection requires
SAP specific
honeypots and lures

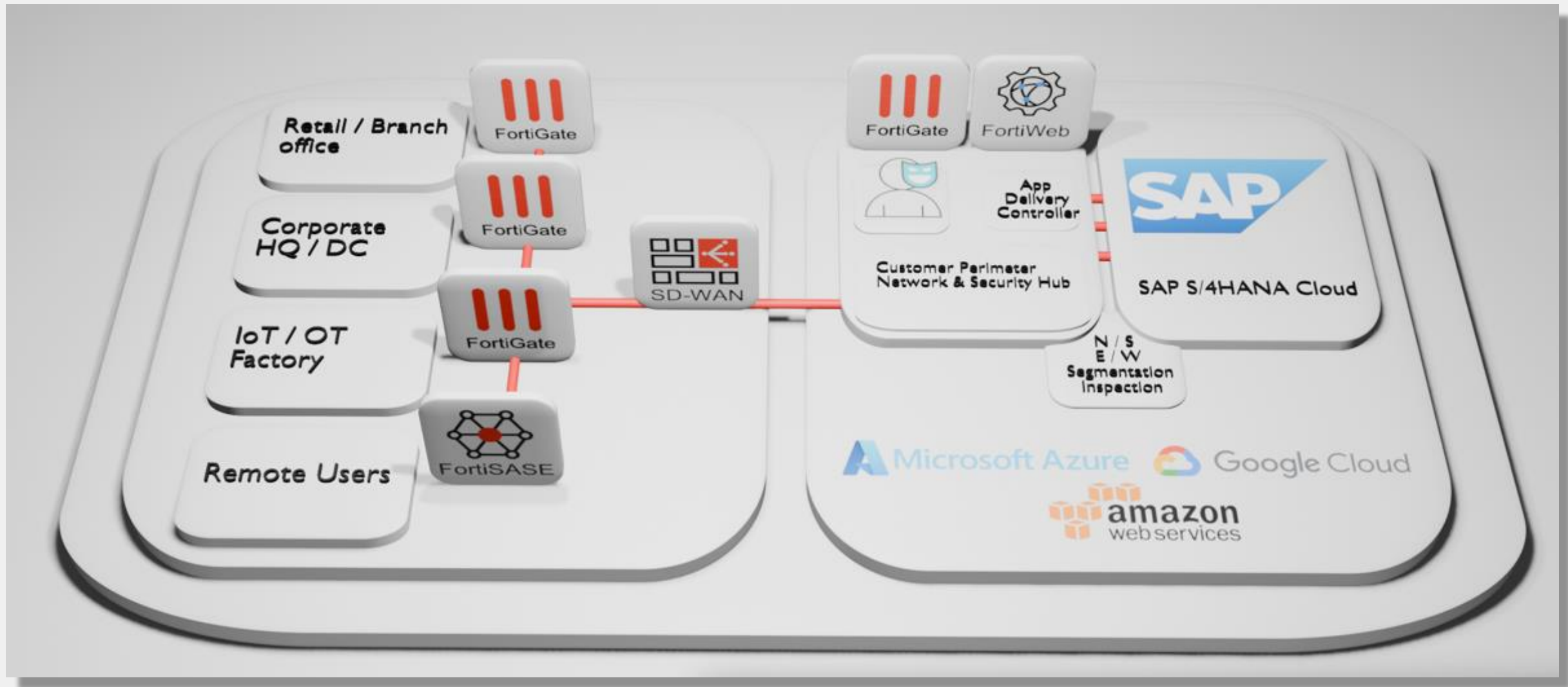


Requires tested and
validated security
architectures

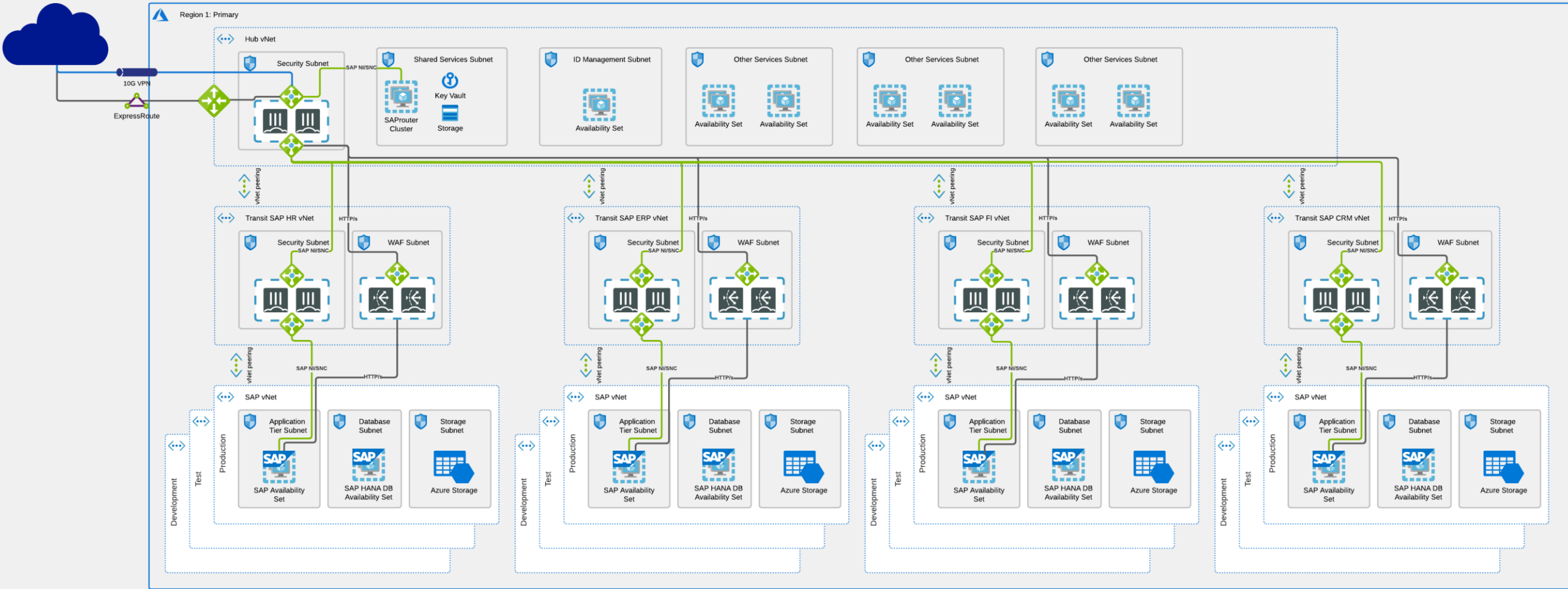
It requires a Security Fabric from Fortinet



Schematic Fortinet/SAP landscape



Example for a reference architecture

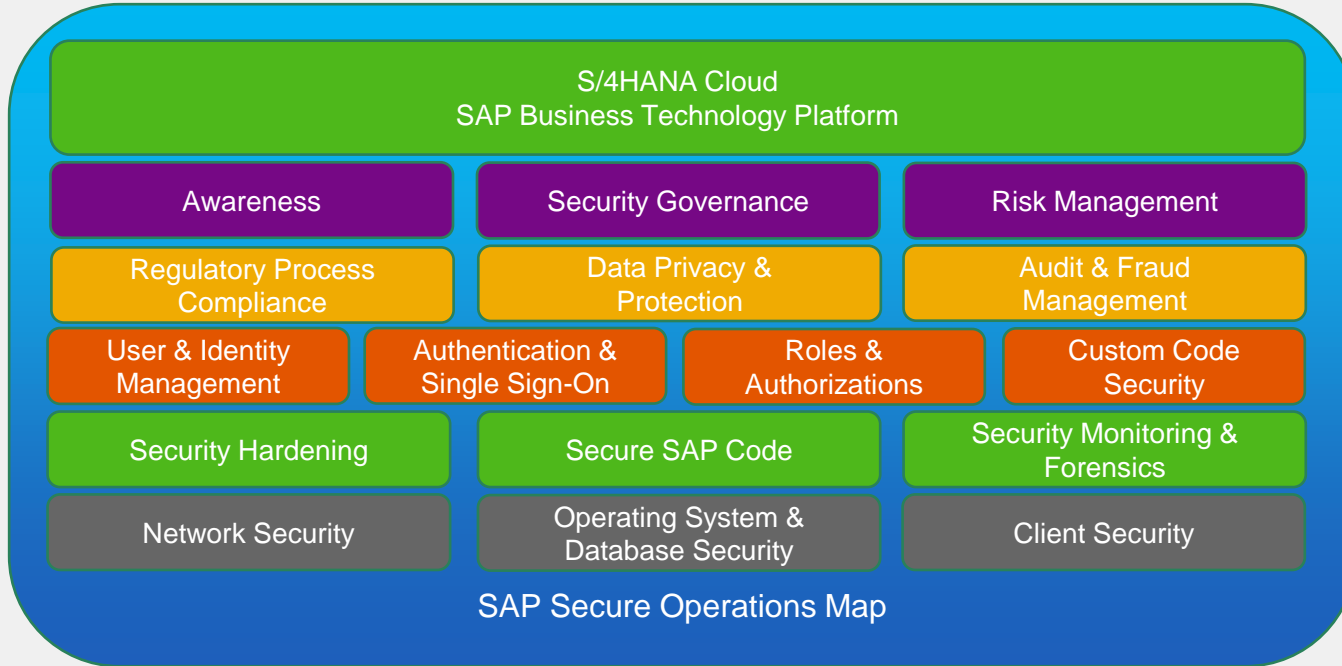


Fortinet for SAP Solutions

Aerospace / Automotive / Banking / Chemicals / Defense & Security / Healthcare
 High Tech / Insurance / Life Sciences / Oil & Gas / Public Sector / Retail / Telco / Utilities



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Executive Summary



SAP systems are mission critical, and SAP security failures lead to business disruption



SAP secures their solutions – the customer is responsible to secure the whole business



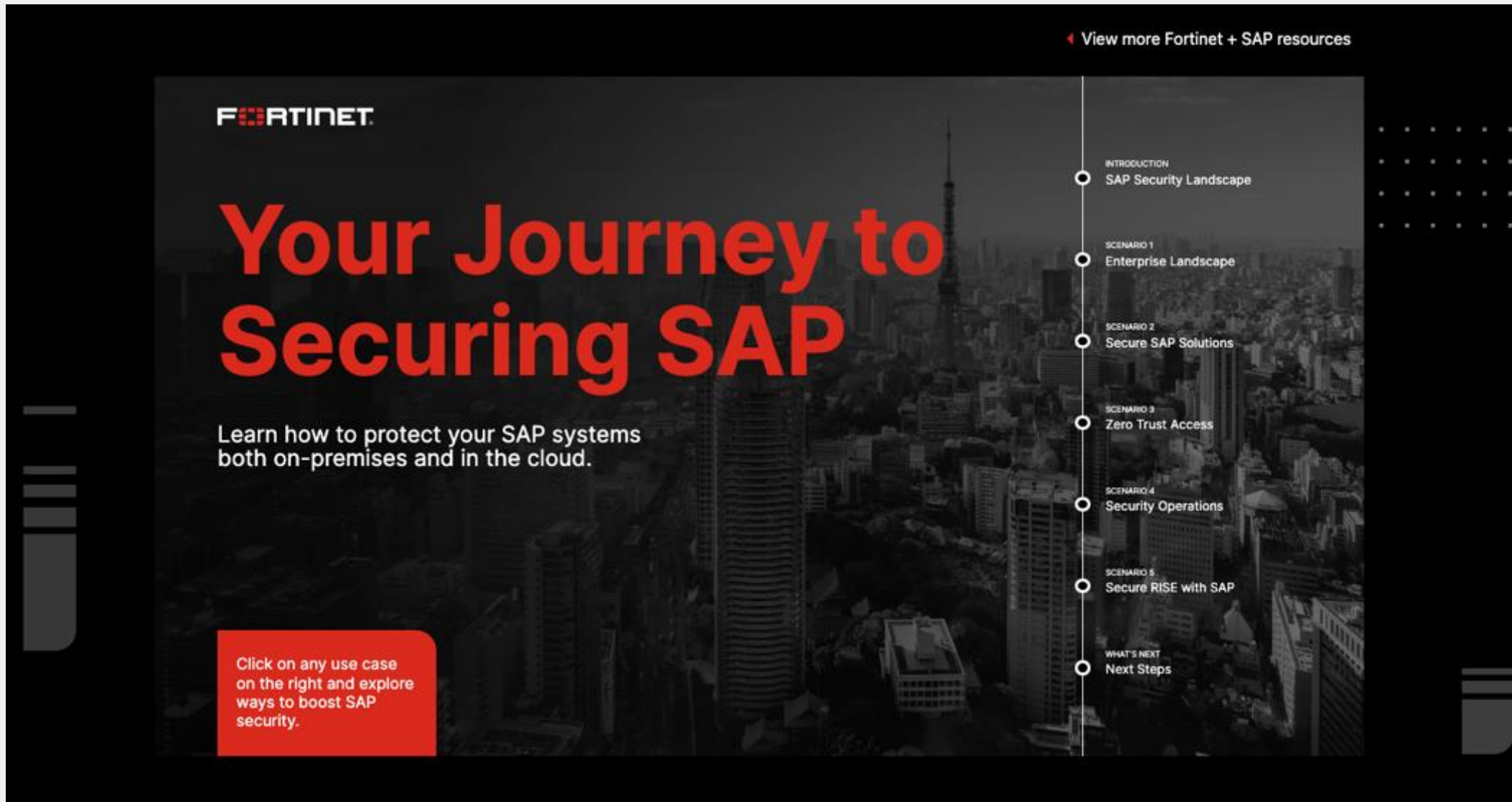
Only Fortinet offers a comprehensive protection for your SAP landscapes



Fortinet is securing people, device and data everywhere



<https://fortinetsecuressap.com/>



The landing page features a dark background with a city skyline. The Fortinet logo is in the top left. The main title 'Your Journey to Securing SAP' is in large red font. Below it, a subtitle reads 'Learn how to protect your SAP systems both on-premises and in the cloud.' A red call-to-action box in the bottom left says 'Click on any use case on the right and explore ways to boost SAP security.' On the right, a vertical navigation menu lists: 'INTRODUCTION SAP Security Landscape', 'SCENARIO 1 Enterprise Landscape', 'SCENARIO 2 Secure SAP Solutions', 'SCENARIO 3 Zero Trust Access', 'SCENARIO 4 Security Operations', 'SCENARIO 5 Secure RISE with SAP', and 'WHAT'S NEXT Next Steps'. A link 'View more Fortinet + SAP resources' is at the top right.

FORTINET

Your Journey to Securing SAP

Learn how to protect your SAP systems both on-premises and in the cloud.

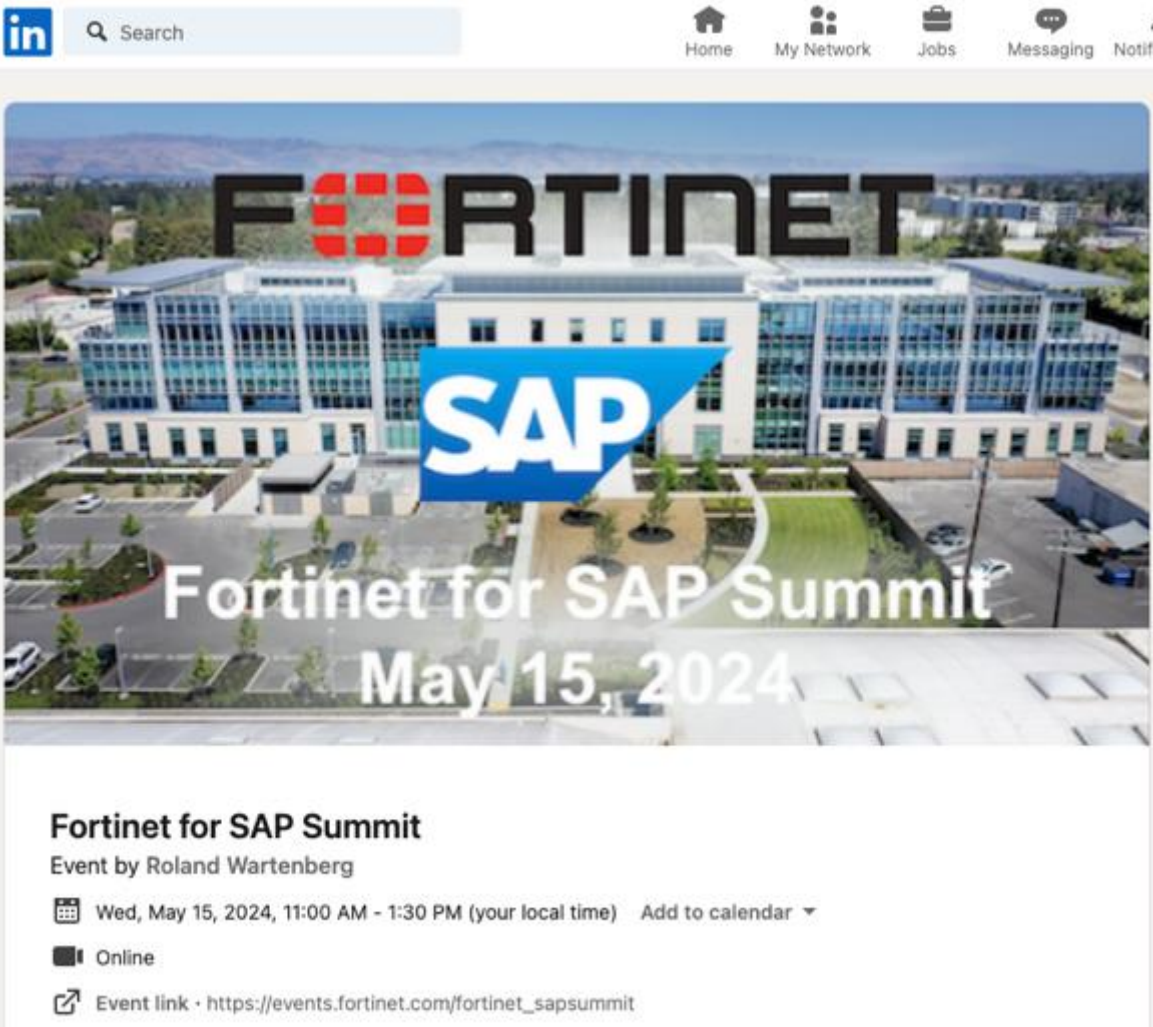
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◀ View more Fortinet + SAP resources

- INTRODUCTION
SAP Security Landscape
- SCENARIO 1
Enterprise Landscape
- SCENARIO 2
Secure SAP Solutions
- SCENARIO 3
Zero Trust Access
- SCENARIO 4
Security Operations
- SCENARIO 5
Secure RISE with SAP
- WHAT'S NEXT
Next Steps



https://events.fortinet.com/fortinet_sapsummit/waitlist



The image shows a LinkedIn event post. At the top is the LinkedIn navigation bar with icons for Home, My Network, Jobs, Messaging, and Notifications. Below the navigation bar is a search bar. The main content is a large image of a modern office building with the Fortinet logo overlaid at the top and the SAP logo in the center. Below the image, the text reads "Fortinet for SAP Summit" and "May 15, 2024". Underneath the image, the event title "Fortinet for SAP Summit" is displayed, followed by "Event by Roland Wartenberg". The event details include a calendar icon, the date and time "Wed, May 15, 2024, 11:00 AM - 1:30 PM (your local time)", and an "Add to calendar" button. Below this, there is an "Online" icon and the text "Event link · https://events.fortinet.com/fortinet_sapsummit".

Fortinet for SAP Summit
Event by Roland Wartenberg

Wed, May 15, 2024, 11:00 AM - 1:30 PM (your local time) Add to calendar

Online

Event link · https://events.fortinet.com/fortinet_sapsummit



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SAP-request@fortinet.com

