

# Cyber Security Mesh par Fortinet et la convergence du réseau et de la sécurité délivrée depuis le Cloud (FortiSASE) pour tous les utilisateurs.

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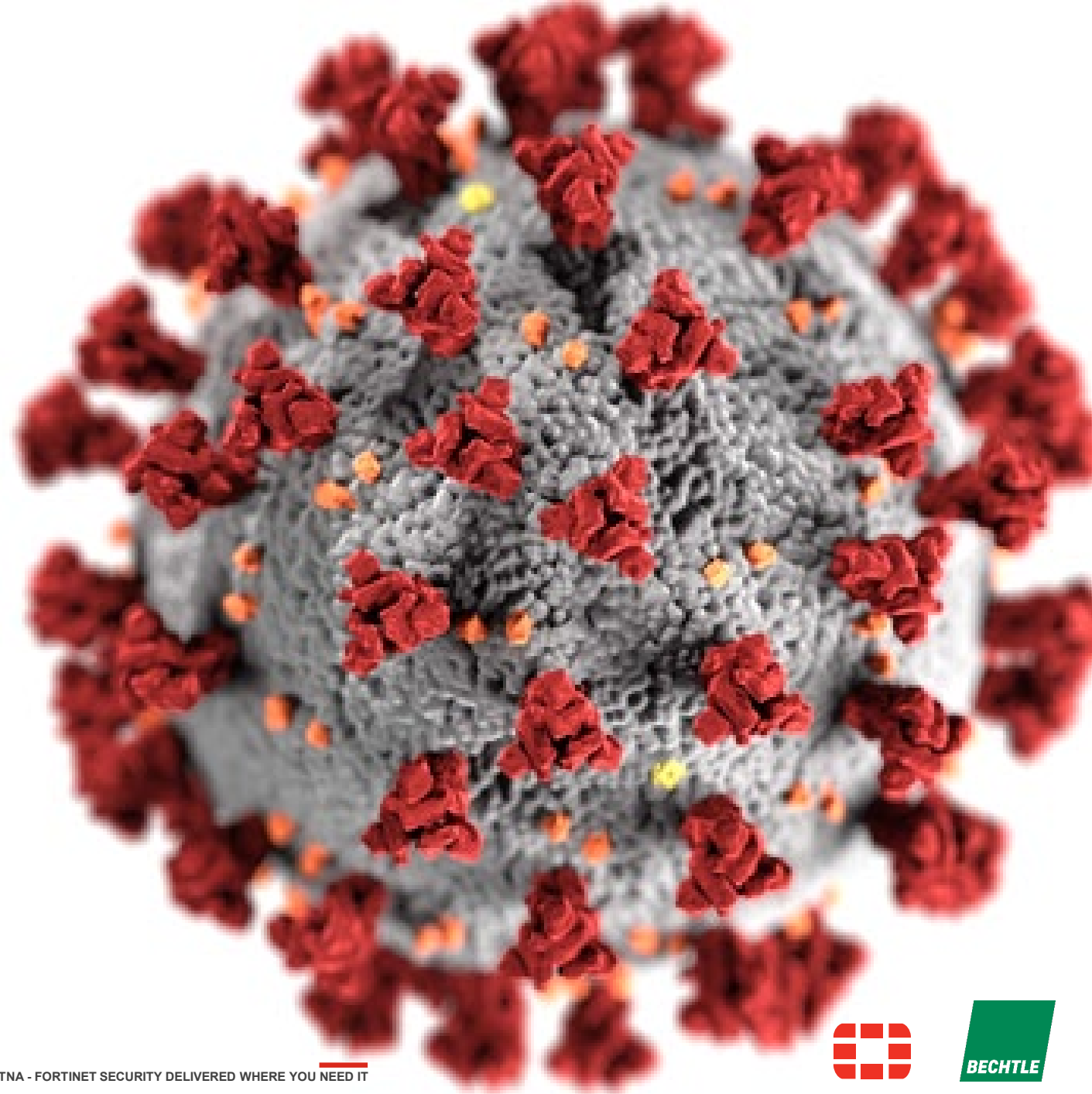
# Agenda


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- Cyber Security Mesh Architecture
- What is SASE
- The Journey to SASE
- Use Cases



# The Thing that changed the (IT)World



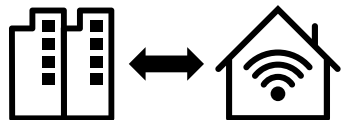


# What has changed?

...and how did we react on it?



# Accelerating Changes impact Security



## Hybrid Workforce is the New Normal

“Remote/hybrid work is here to stay. Survey data shows that **80%** of workers continue to adopt hybrid workstyle

Gartner, Chaing IT practices for remote work-force , August 2022



## Web is Top Attack Vector

“Web continues to be one of the top attack vector. 2022 Verizon Data Breach Report indicates **90%** of breaches use web applications.”

2022 Verizon Data Breach Report

## TRENDS



## Aging VPN Deployments

“VPN deployments must move away from implicit access to improve security posture.”

Gartner, Remote Access Options for Enterprise Endpoint – April 2022



## Complexity kills Security

“**75%** of organisations are pursuing security vendor consolidation in 2022, up from 29% in 2020.”

Gartner Top Trends in Cybersecurity 2022 — Vendor Consolidation.



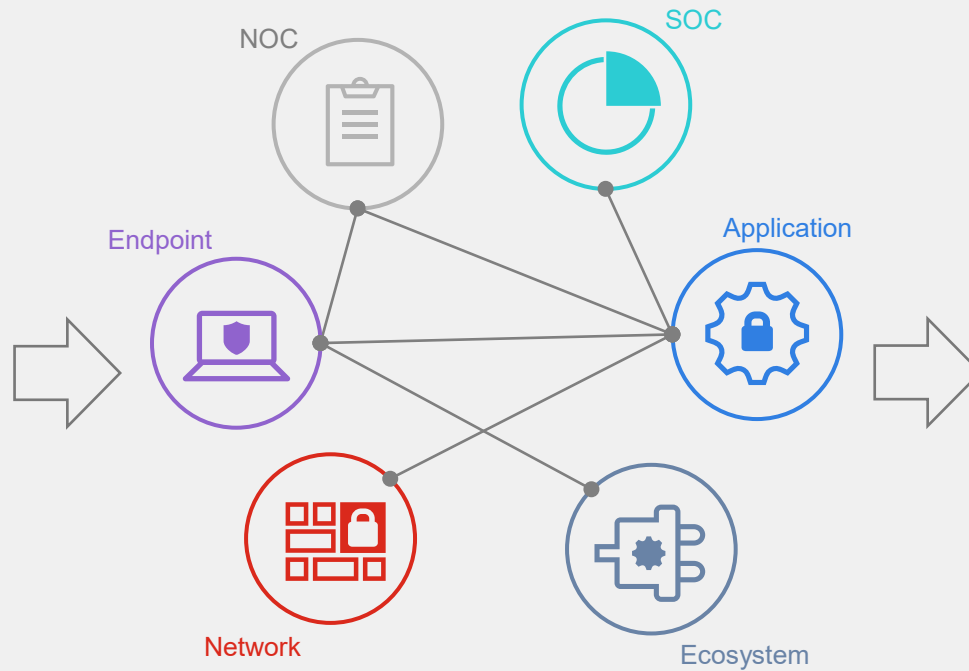
# Cybersecurity Platform Journey



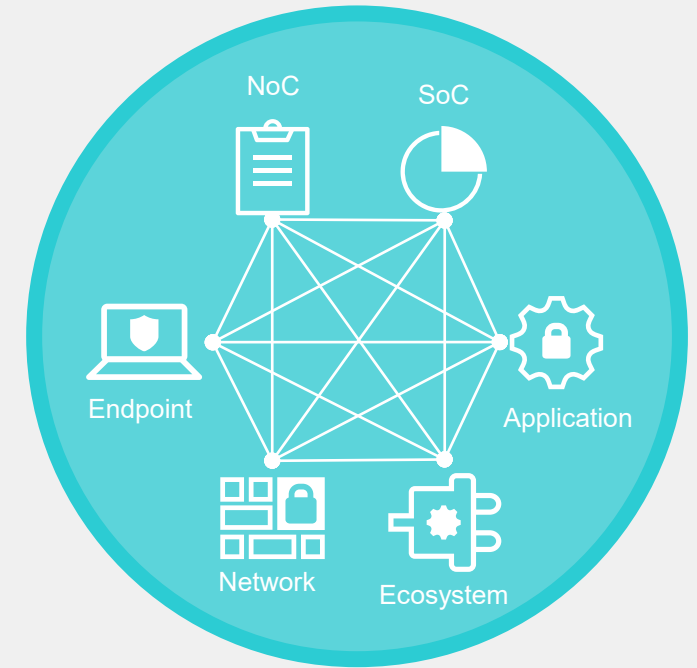
30+ Vendors



10 Vendors



2-3 Platforms



Your Journey to SOC Automation Maturity



# Fortinet Security Fabric

## Broad

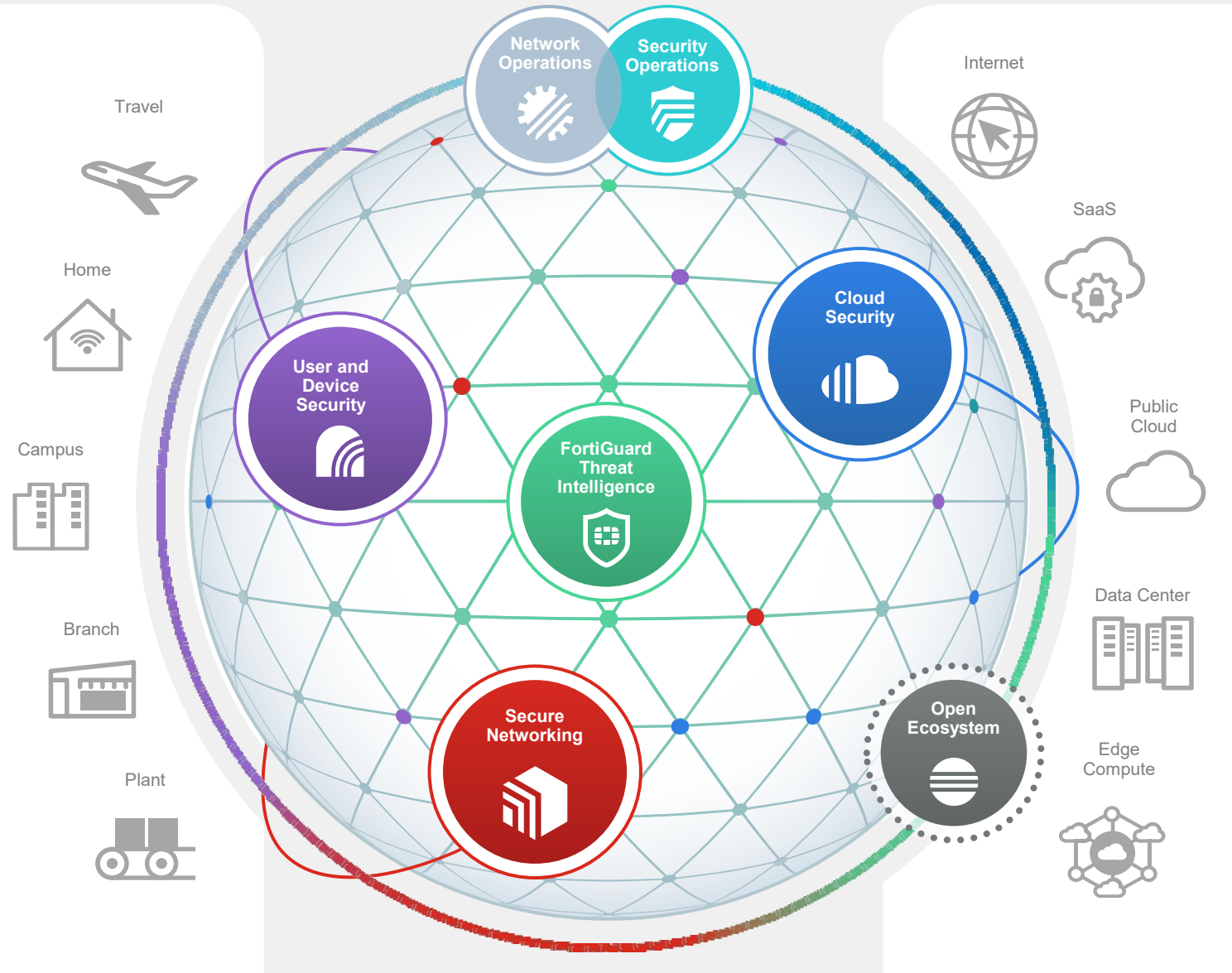
visibility and protection of the entire digital attack surface to better manage risk

## Integrated

solution that reduces management complexity and shares threat intelligence

## Automated

self-healing networks with AI-driven security for fast and efficient operations



# What is SASE?

## And why does Fortinet not appear on the Gartner SSE MQ?





# No more Hair Pinning

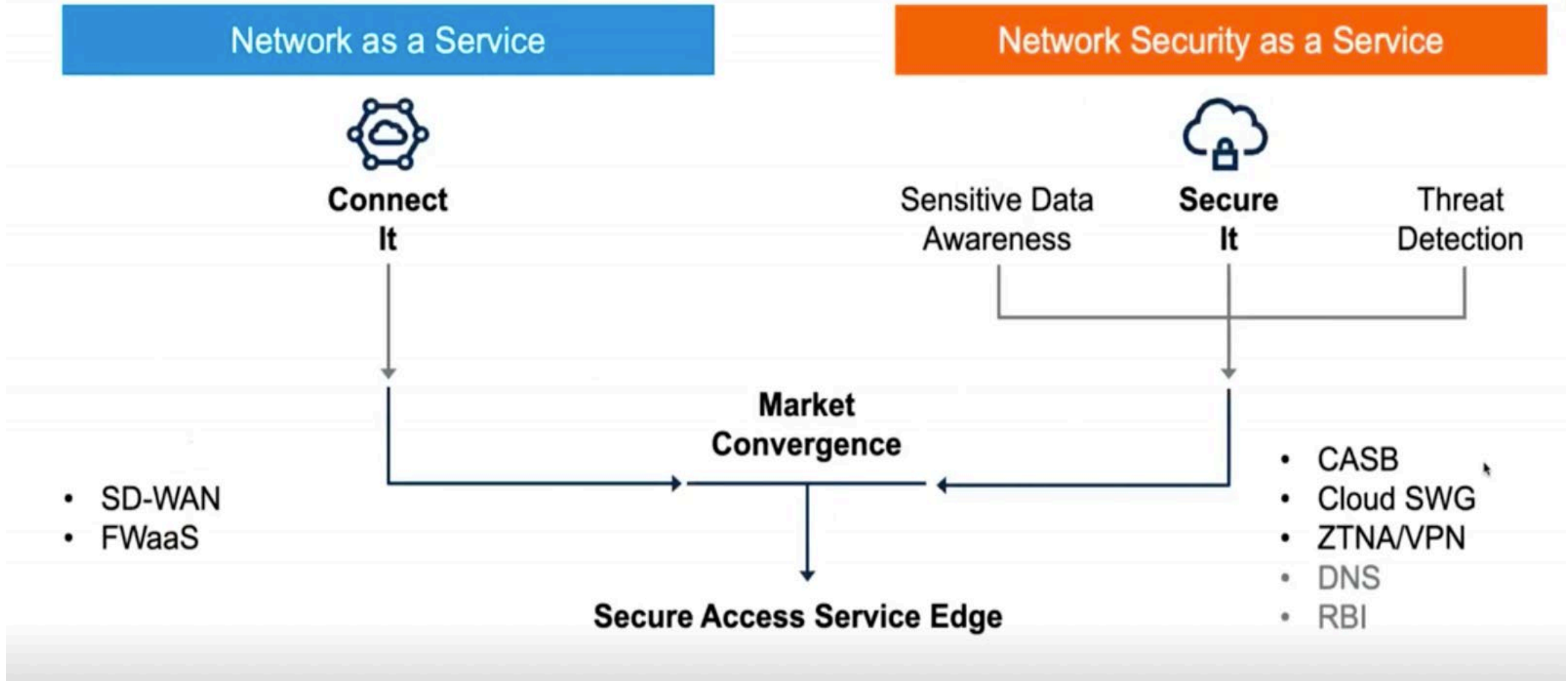


# SecureAccess Service Edge

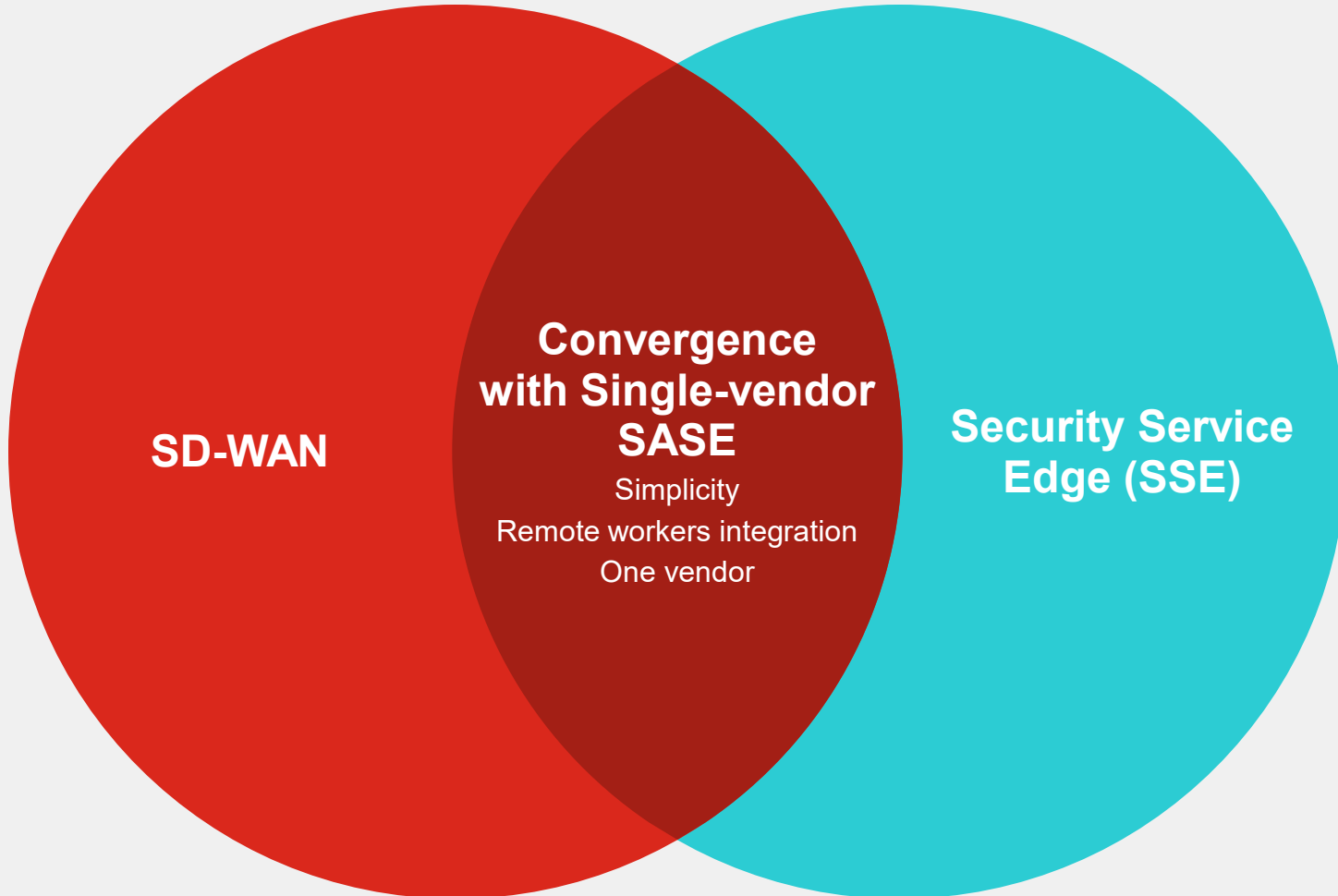
Gartner defines SASE as a solution that provides "**full WAN capabilities** with comprehensive network security features (such as SWG, CASB, FWaaS and ZTNA) to support the secure dynamic access needs of digital businesses."



# Converged Service Is the Heart of SASE



# Single-vendor SASE



## Single-vendor SASE Benefits

- Reduced complexity eliminating multiple products
- Efficient operations with single agent
- Cost savings from product and vendor reduction



# Gartner Recognizes Fortinet as Single Vendor SASE



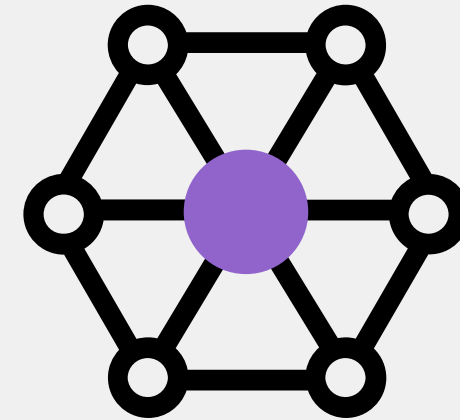
## Market Guide for Single-Vendor SASE

Published 28 September 2022 - ID G00768660 - 25 min read

By Analyst(s): Neil MacDonald, John Watts, Jonathan Forest, Andrew Lerner

Initiatives: [Cloud and Edge Infrastructure](#); [Infrastructure Security](#)

Single-vendor SASE delivers converged network and security capabilities to connect and secure distributed users, devices and locations to resources in the cloud, edge and on-premises. Infrastructure and operations leaders should use this research to analyze the emerging single-vendor SASE market.



**FortiSASE**



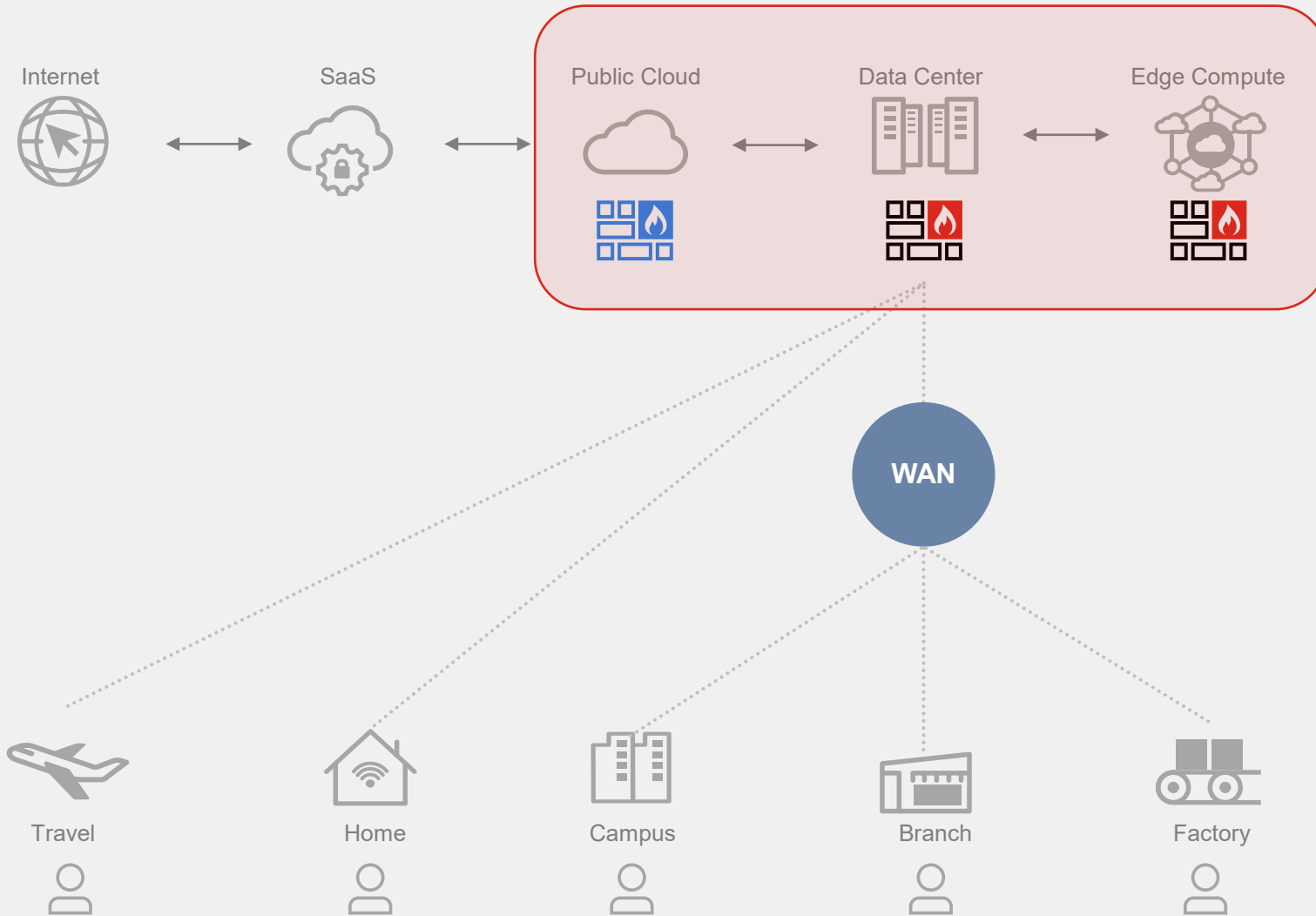
# The Journey

## How to get to FortiSASE



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# Network Firewall : Protect Applications in The DC and Cloud



Convergence



Network Firewall

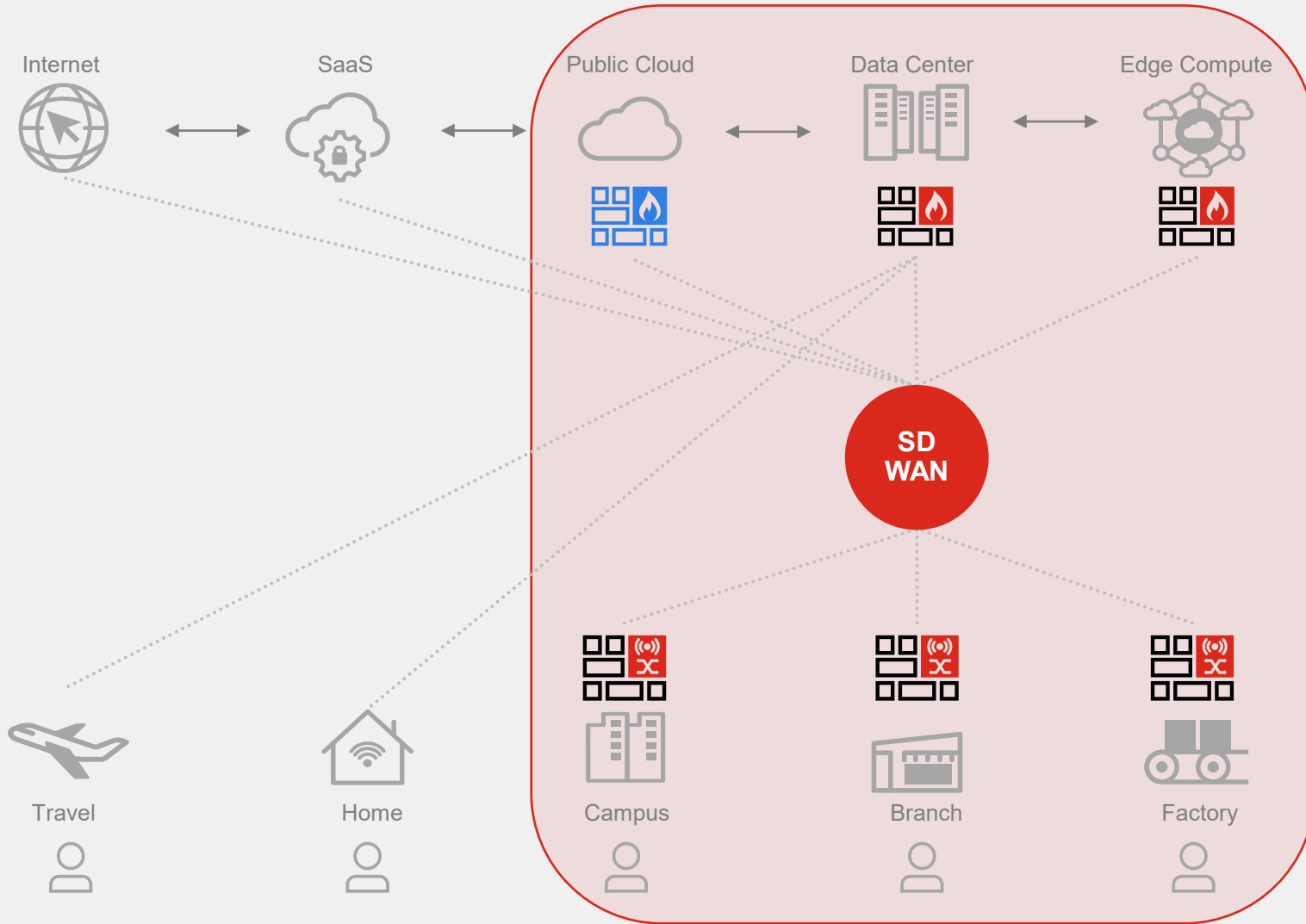
Consistent Security




Application Aware  
Intrusion Prevention  
Web Filtering  
DNS Protection  
Sandboxing  
In-Line CASB



# Secure SD-WAN : Flexible Application Steering at Edge




**Convergence**



- Network Firewall
- Secure SD-WAN
- SD-Branch

**Consistent Security**

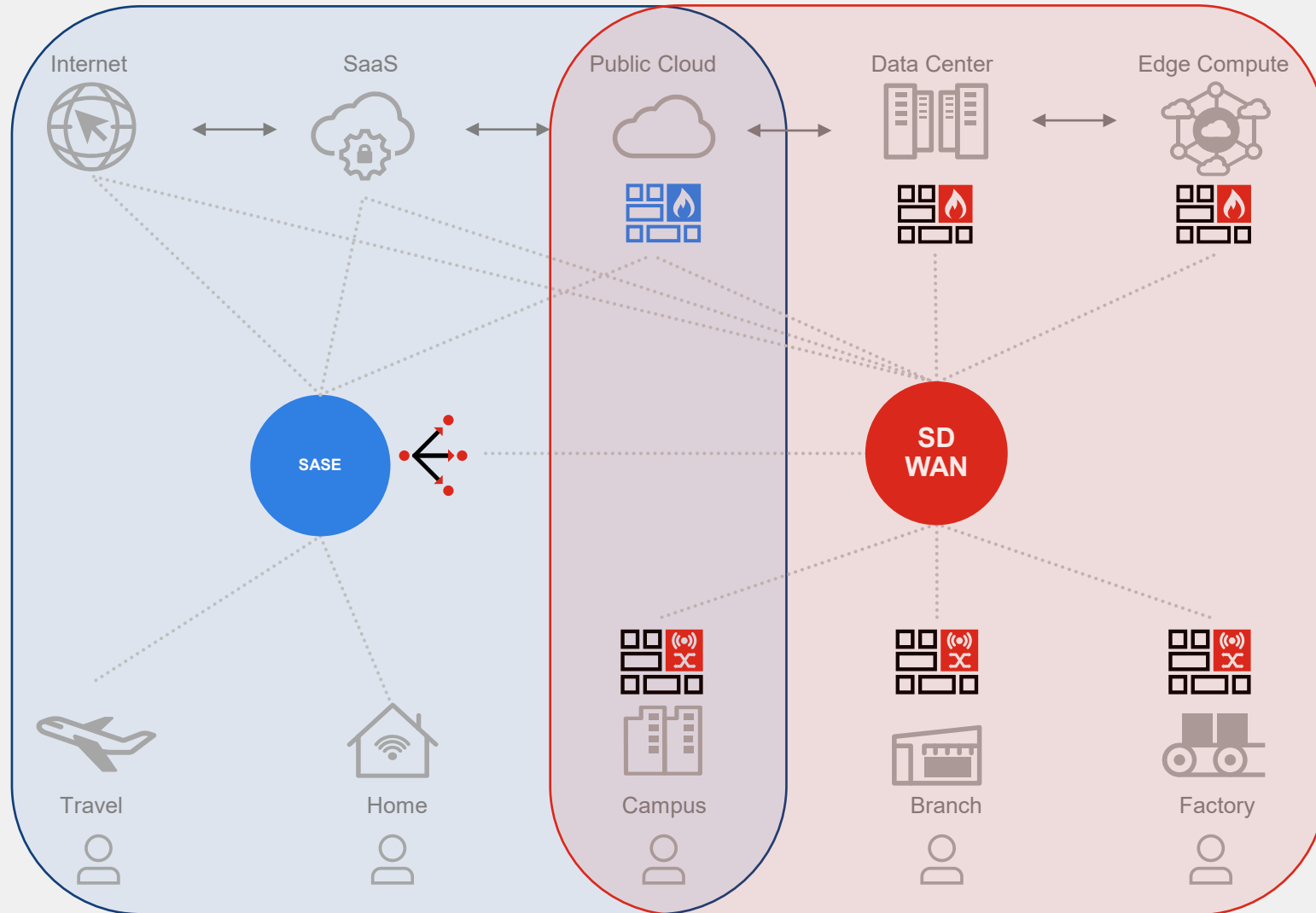


- Application Aware
- Intrusion Prevention
- Web Filtering
- DNS Protection
- Sandboxing
- In-Line Sandboxing
- In-Line CASB
- OT and IoT Security





# Secure Remote Access – Securely connect remote users



## Convergence



Network Firewall  
Secure SD-WAN  
SD-Branch  
SASE

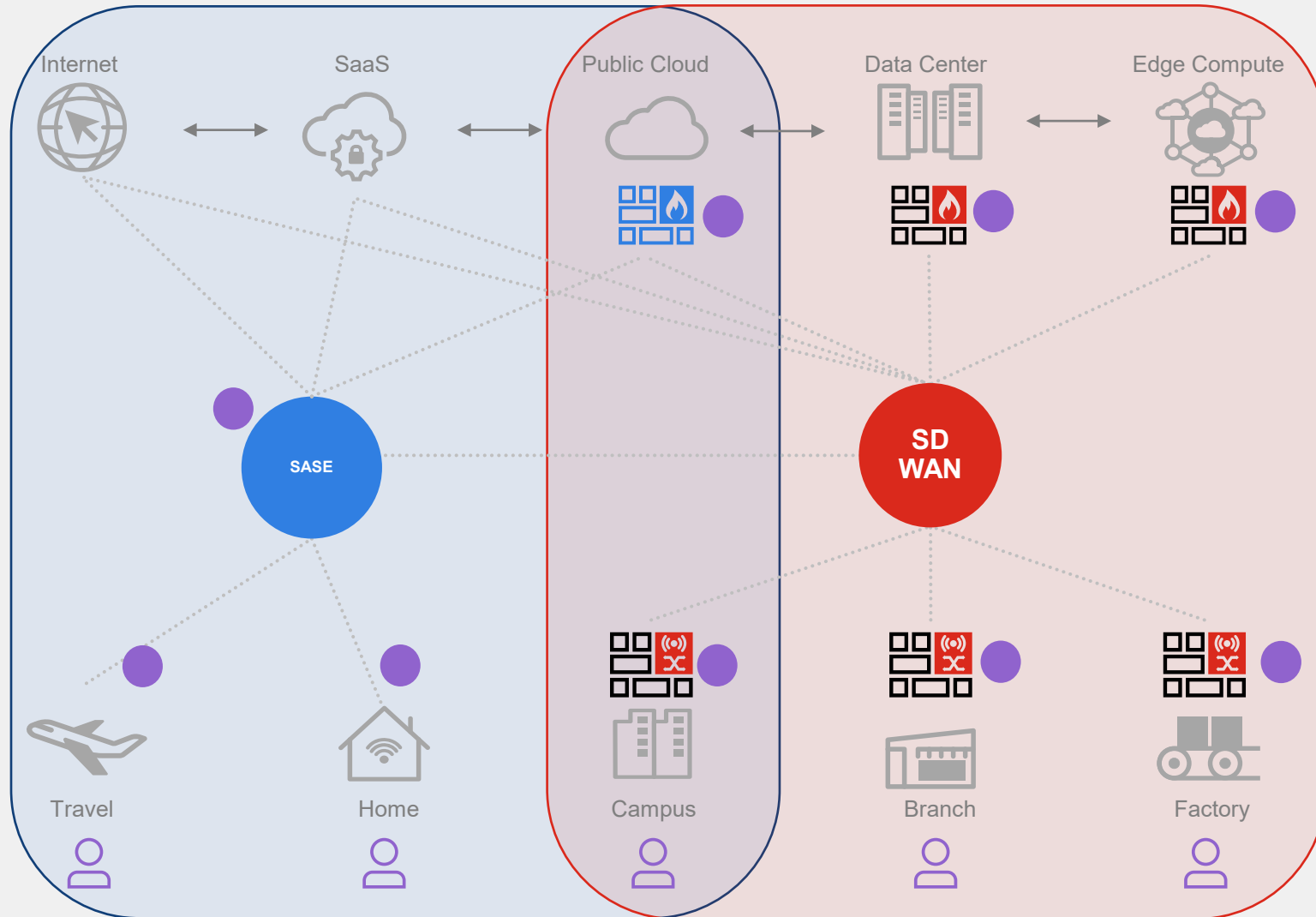
## Consistent Security



Application Aware  
Intrusion Prevention  
Web Filtering  
DNS Protection  
Sandboxing  
In-Line Sandboxing  
In-Line CASB  
OT and IoT Security



# Universal ZTNA – Secure user access to applications



## Convergence



Network Firewall  
Secure SD-WAN  
SD-Branch  
SASE  
Universal ZTNA

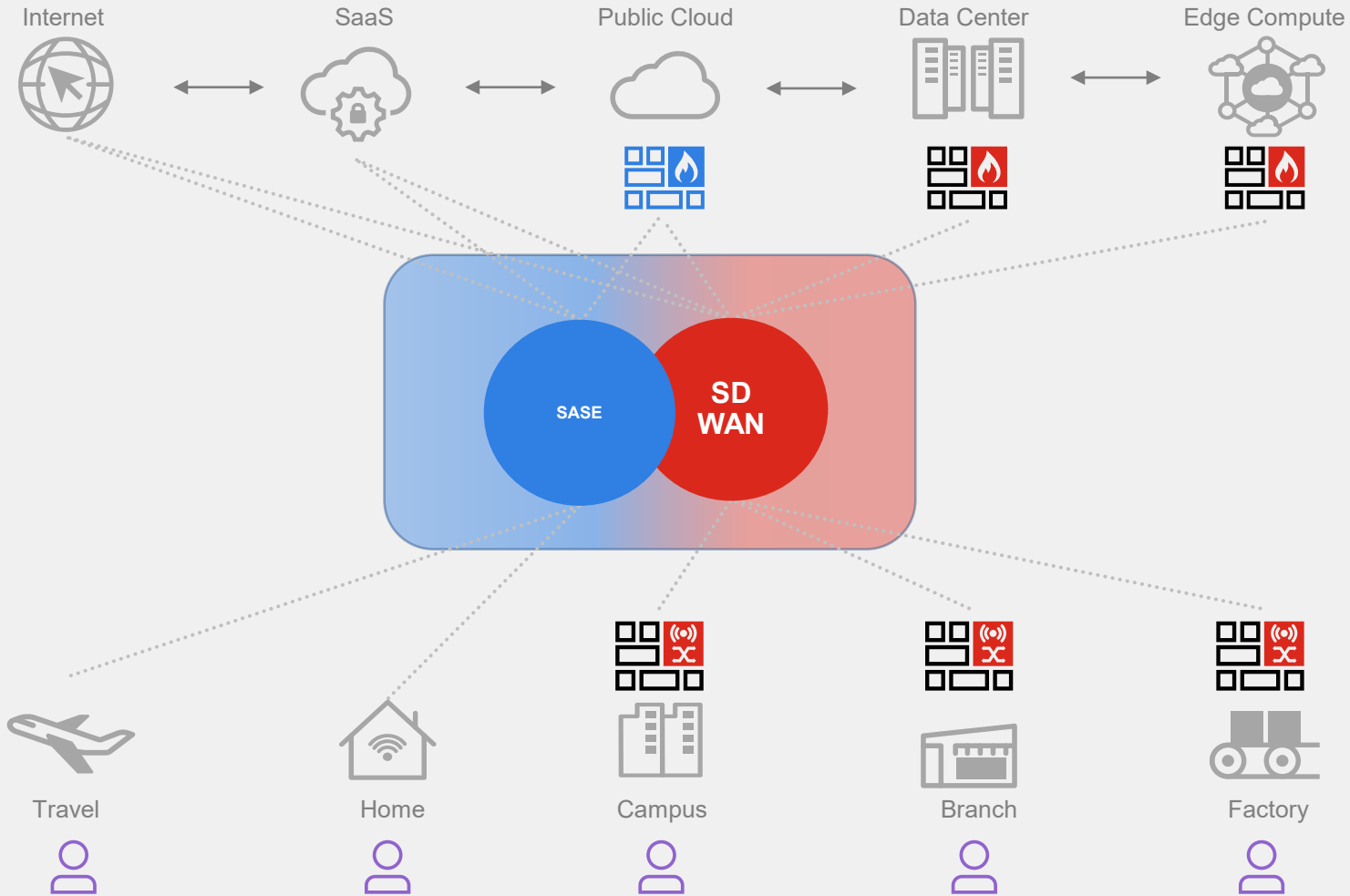
## Consistent Security



Application Aware  
Intrusion Prevention  
Web Filtering  
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Sandboxing  
In-Line Sandboxing  
Network Access Control (NAC)  
OT and IoT Security



# Single Vendor SASE



## Convergence



Network Firewall  
Secure SD-WAN  
SD-Branch  
SASE  
Universal ZTNA

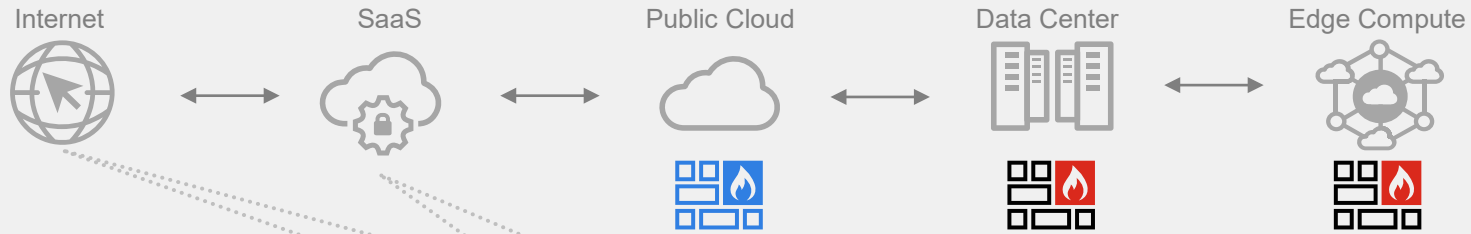
## Consistent Security



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# FortiSASE Thin Edge

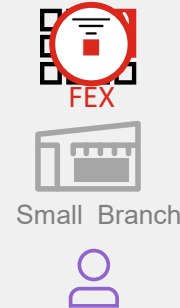
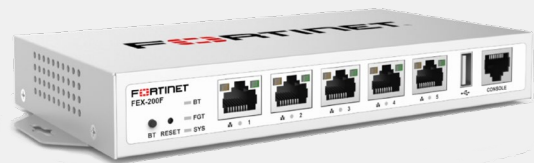


## FortiExtender

- 5G
- Ethernet
- DSL

## Cloud Managed

- LAN Extension



**Consistent Security**

- Application Aware
- Intrusion Prevention
- Web Filtering
- DNS Protection
- Sandboxing
- In-Line Sandboxing
- Network Access Control (NAC)
- OT and IoT Security



# Customizable Dashboard for Cloud-Delivered Security

## Cloud Based Security

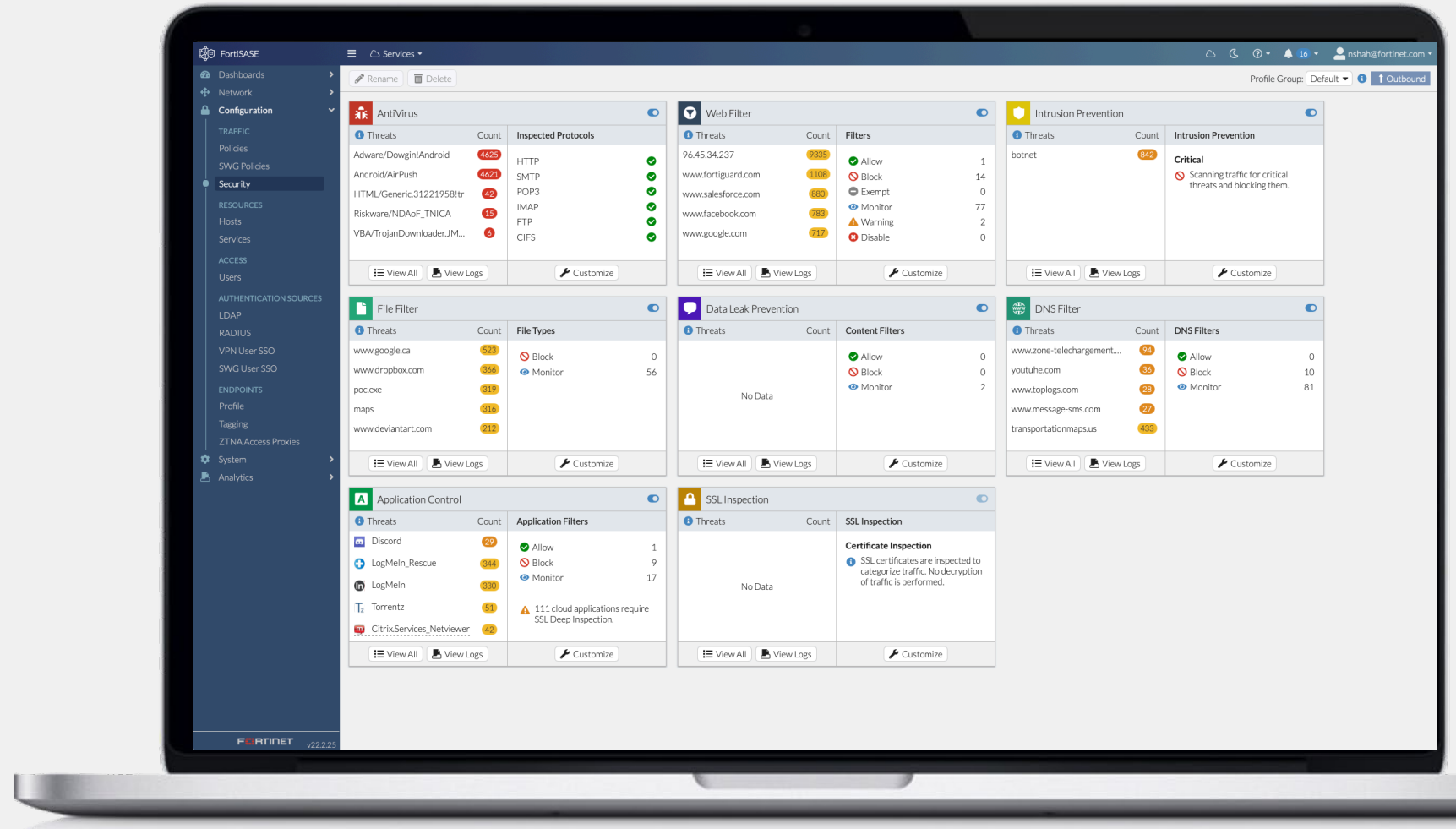
- FortiGuard Security Services
- IPS
- Sand-box
- URL and DNS Filtering
- Anti-Virus, - Malware
- DLP
- SSL Inspection
- ZTNA
- CASB, InLine & API

## Endpoint Security

- Vulnerability Check
- Sandbox

## Cloud Native

- User& Device Management
- Logging & Reporting



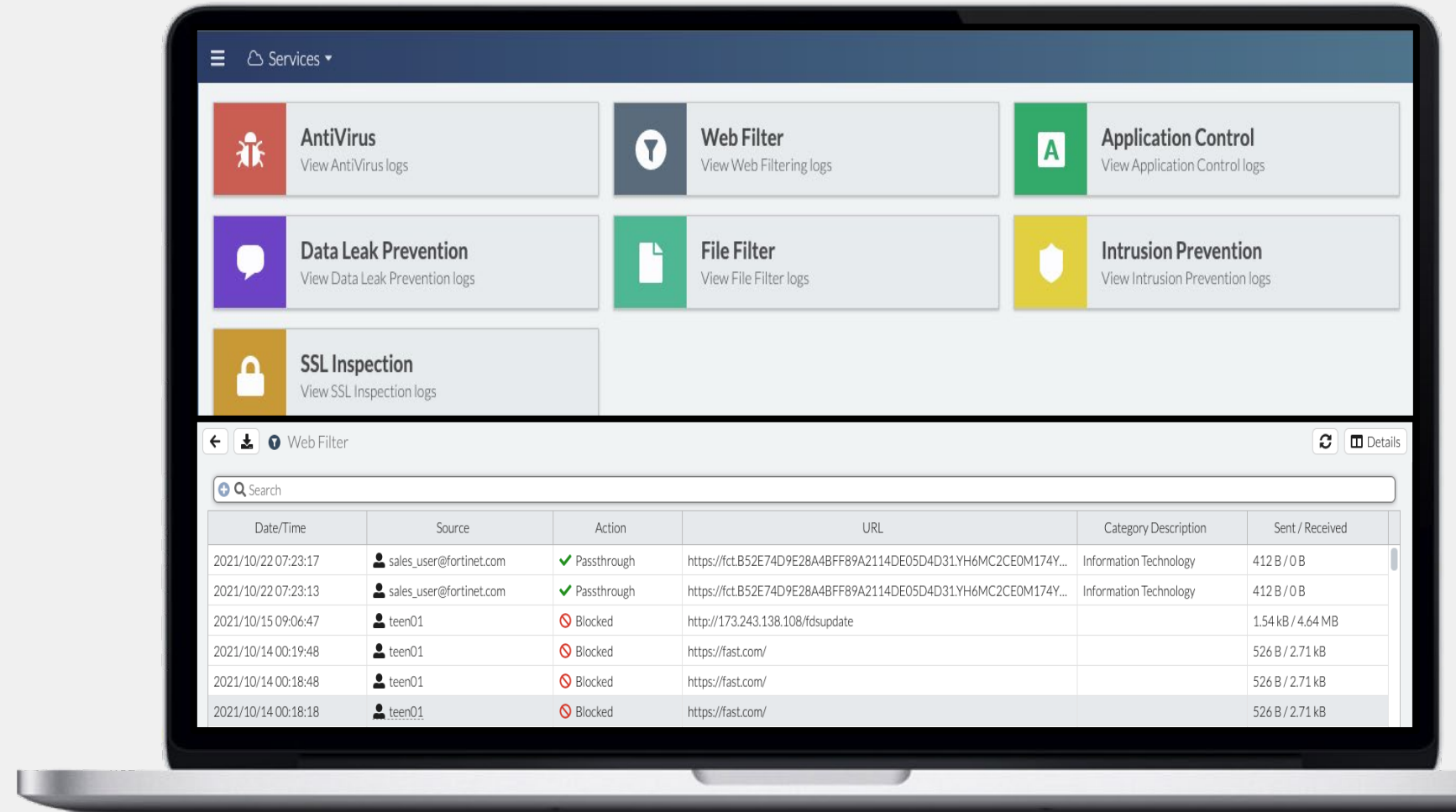
# Efficient Troubleshooting With Granular Logging & Events

## Pre-Generated & On-Demand Reports

- Application:
  - Application Risk Control
  - Bandwidth Application Usage
- Security
  - Threat Report
  - Web Usage Report
  - VPN Report

## Logging & Events

- Security Logs
- User Events
- Endpoint Events
- VPN Events



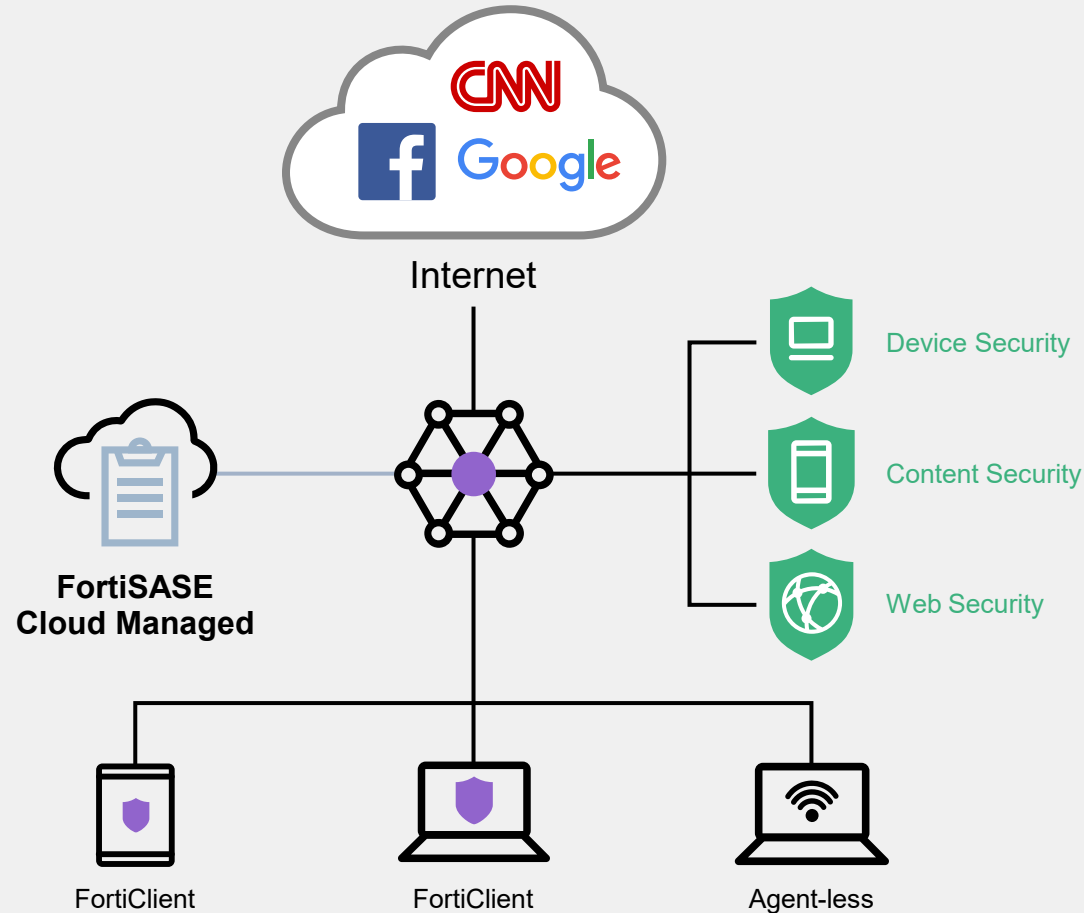
# Key Use Cases



BECHTLE

# Secure Internet Access for Remote Users

## USE CASE 1



Work from Anywhere

## Safe browsing from anywhere



### Malware & Ransomware prevention

Continuously assess the risks and automatically respond and **counter known and unknown threats**



### Deep inspection of end-user activity

Constant inspection of web activity for threats, even when using secured https access



### Market Leading Security as a Service

Fortinet best-in-class Cloud security powered by FortiGuard Labs



# Comprehensive Cloud-Delivered Secure Internet Access



## URL Filtering

Prevent unknown zero-day threats in real-time at scale including known threats



## Video Filtering

Enforce acceptable use policies and regulatory compliance and increase user productivity



## DNS Filtering

Protect against sophisticated threats including C2, ransomware



## IP Reputation

Block malicious IP based on reputation aggregated from global threat sensors



## Botnet + C2

Block malicious bots without impacting legitimate bot activity and reduce reliance of user verification



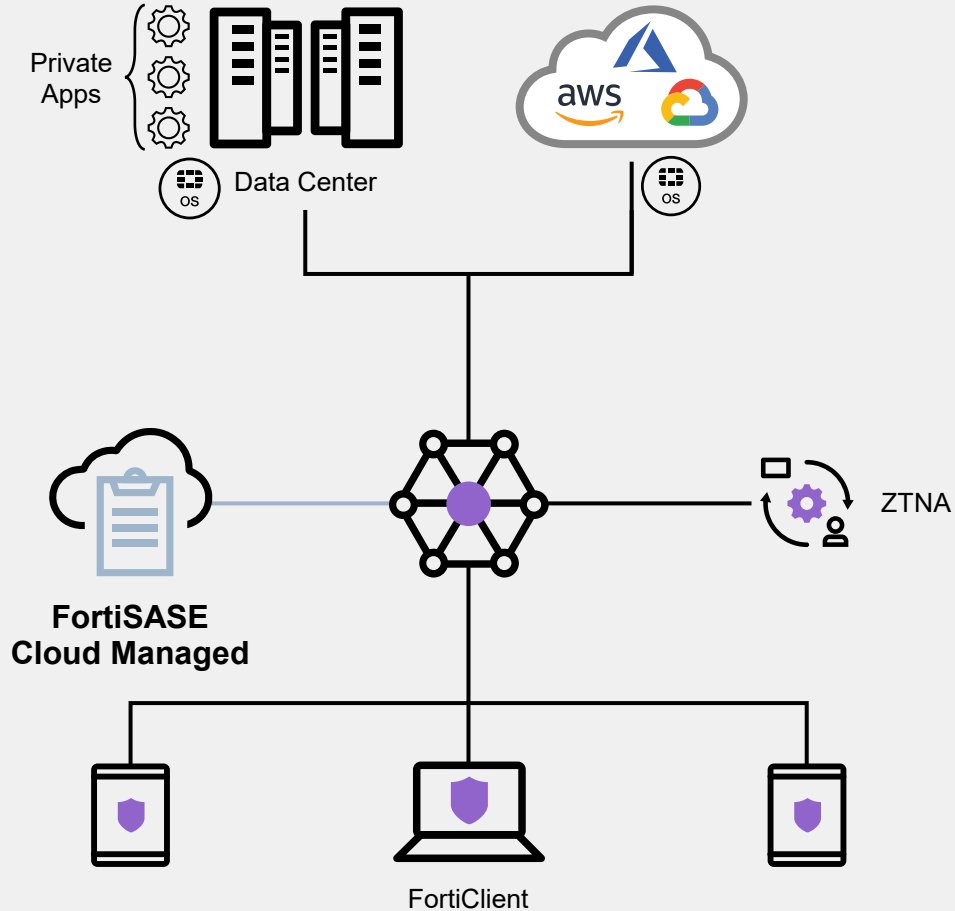
## Intrusion Prevention System

Virtual patching and vulnerabilities protection with real-time signatures



# Most Flexible Secure Private Access

## USE CASE 2



Work from Anywhere

## Secure corporate app access



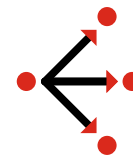
### Secure Cloud & datacenter access

Anywhere secure access to corporate apps for asset protection and compliance



### Highly granular Access Control

Context-based zero-trust access enforcement, app based and adaptive with AI/ML

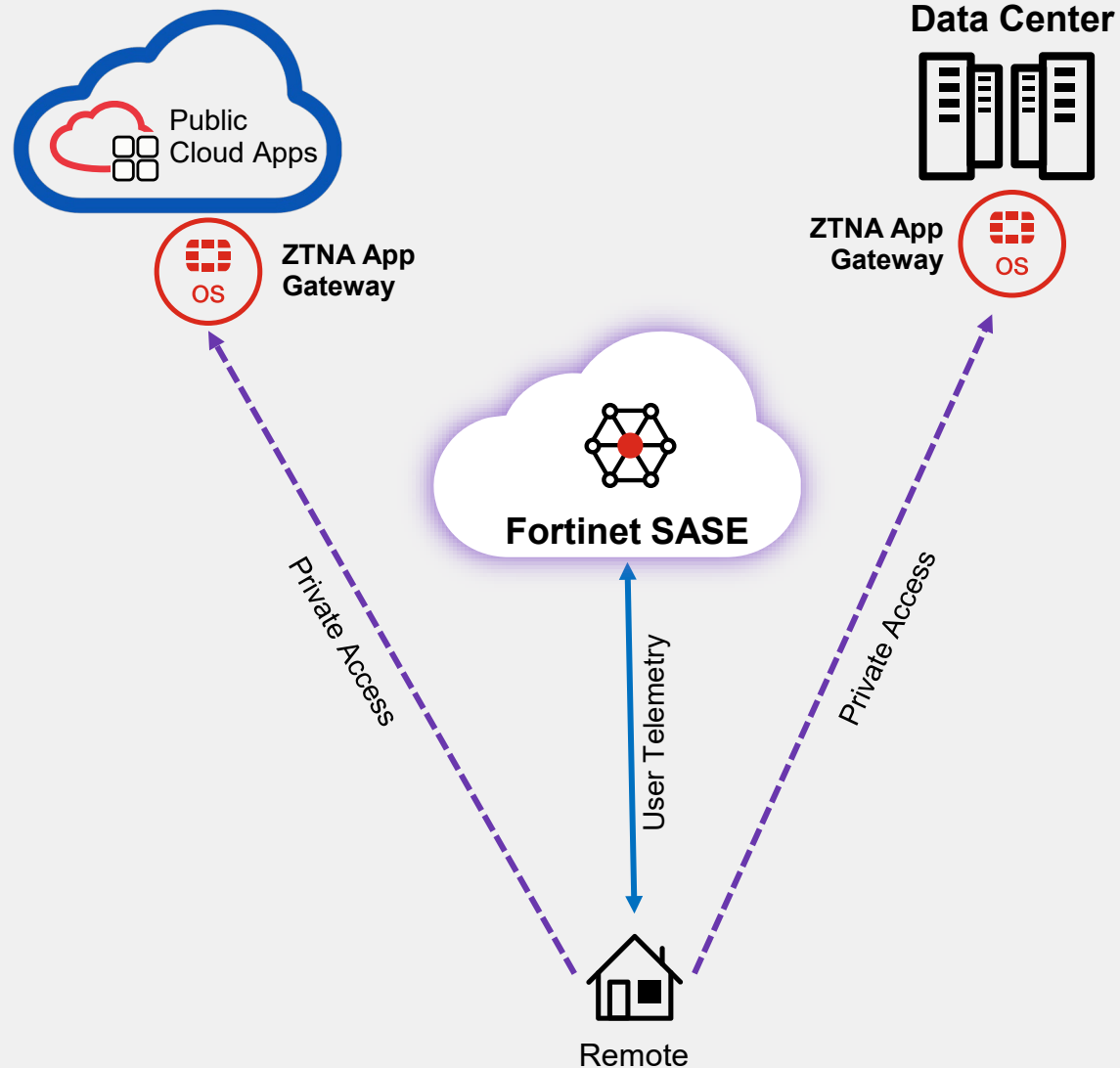


### SD-WAN integration

Superior user experience with full integration with Fortinet SD-WAN architecture

# Secure Private Access With Natively Integrated ZTNA

## USE CASE 2



## Enabling Universal ZTNA



Cloud provisioned ZTNA connections



Device attributes, user info, security posture based security



Granular per-session posture checks

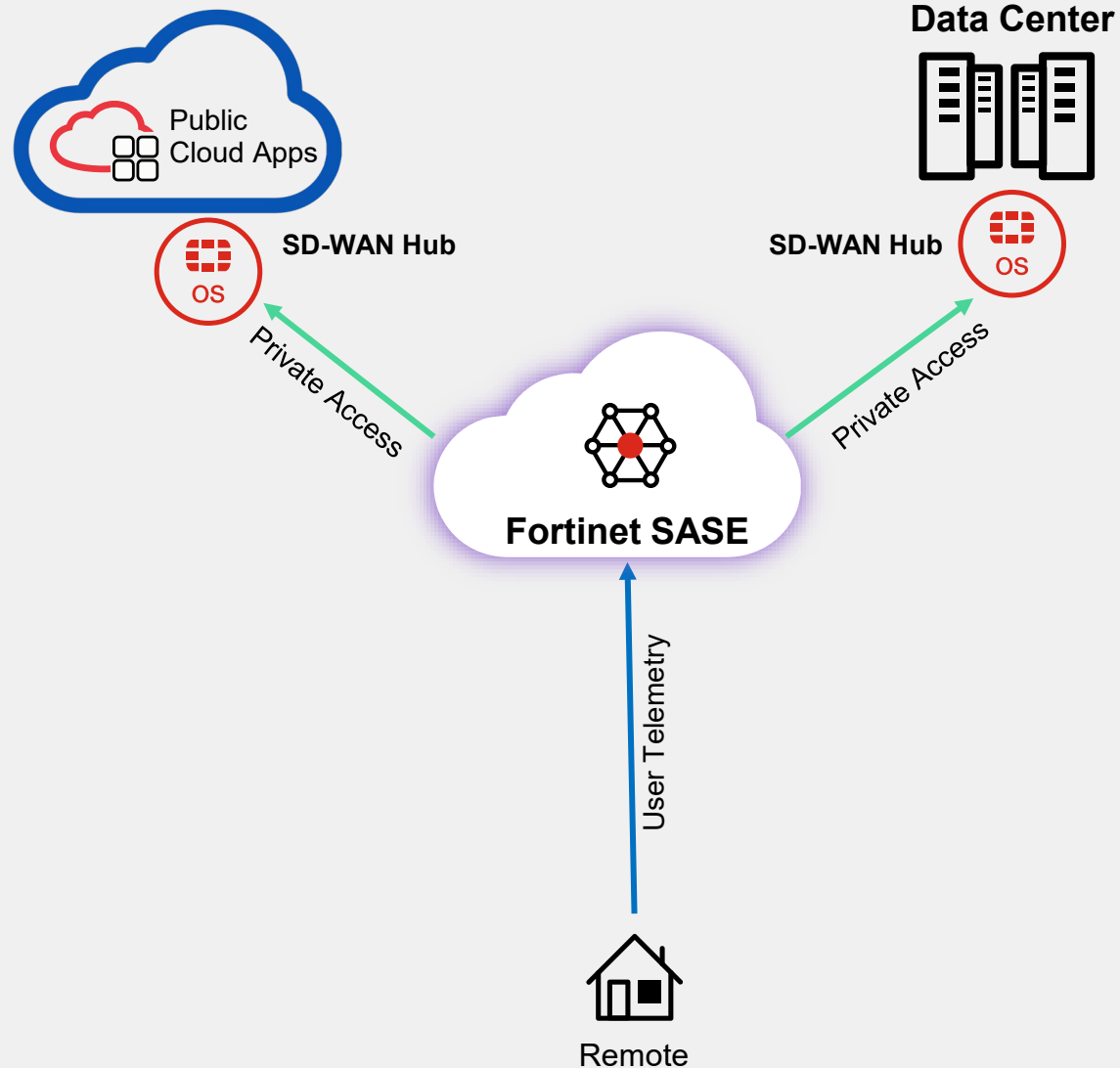


Continuous posture re-assessment

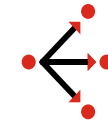


# Secure Private Access With Natively Integrated ZTNA

## USE CASE 2



## SD-WAN Private Access



Augment to existing **SD-WAN**



**Intelligent** routing & steering

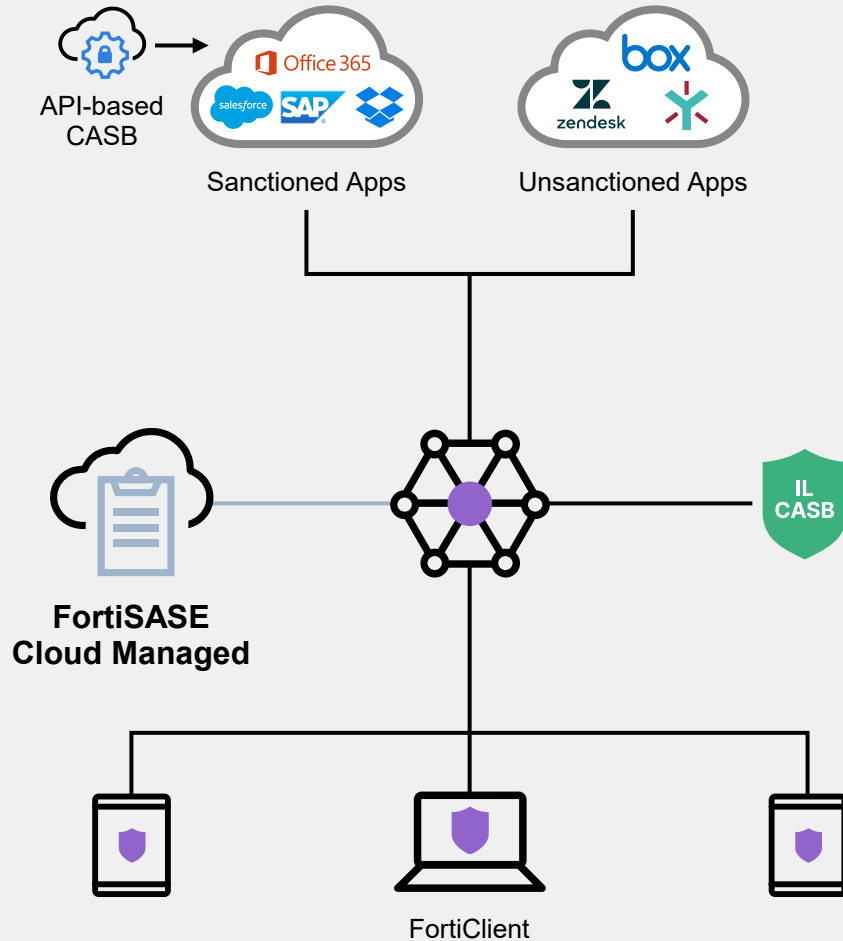


**Broader app support** (UDP-based, video, UC)



# Secure SaaS Access for Visibility & Control

## USE CASE 3



## Secure Access to Cloud apps & files



### Cloud App Access Control

Safe Cloud Application access and blocking of malicious apps with in-line CASB feature



### Deep control & view of apps content

Control over app content and files with API-based CASB for enhanced security and threat detection



### Unified agent for anywhere detection

FortiClient Agent covers all the use-cases from SASE, Zero-trust, SaaS security, and End-Point Protection

# Key Business Outcomes With Fortinet SASE



**Higher Security**

Consistent Security Posture,  
Overcome security gaps  
& minimize the attack surface  
with AI-powered security



**Better User  
Experience**

Superior User Experience with  
Operational Efficiency



**Lower OPEX**

Consolidate point products with  
Single-Vendor SASE approach  
& shift to OPEX based model





# Merci!

Des questions? Contactez-nous: [it-forum.ch@bechtle.com](mailto:it-forum.ch@bechtle.com)

Plus d'informations :  
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