



# Ciberseguridad SASE Gobierno del dato, Ciberseguridad ella





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context.selected\_objects[0]
bjects[one.name].select = 1

please select exactly two objects.
recontext.selected\_objects[0]

x = False

.use\_z = False

d.use x = False

d.use y = False

d.use\_z = True

== "MIRROR Z":

# Today's Common Challenge Business Happening, Everywhere

## **People & Things**

- Home
- Restaurant
- Cameras
- Machines

- Office
- Sensors
- POS
- BYOD

# **Applications**

- Hybrid: staying on-prem in the DC

## Connectivity

- Broadband
- FITH
- Satellite
- Cellular
- MPLS

Al : ObPrem / Hybrid / SaaS

Users think security hinders performance, innovation and productivity

3/4

**Business is Throttled** 

68%

Business leaders feel their security exposure is increasing

**Business is at Greater Risk** 

### **Employee Challenges – Modern Workplace**

# Internet Access and SaaS Applications

- Internet access without security or control
- Over 90% of Internet traffic is SSL-encrypted including malware
- Difficult to handle authentication with new generation SaaS applications
- Impossible to control the information stored in SaaS
- Migration to SaaS apps is complex

# Internal Applications Access

- Attack Surface
- Least Privilege Access
- Attaching Employees into the network
- VPN issues
- Traffic backhauling suboptimal
- Distribution / Provisioning of applications is laborious and difficult to maintain

# Employee Security without a Perimeter

- Users surfing the Internet or accessing applications outside our perimeter are highly exposed
- Difference in security policy in DC/HQ vs. Rest
- Difficult-to-manage personal information policies and complex regulatory compliance
- Need for different layers of security that are not necessarily integrated

#### **User Experience**

- Segmented visibility across multiple platforms and possible blind spots
- Complex Troubleshooting
- Differentiated performance Inside vs. Outside HQ/DC
- Difficulty integrating with support tools, experience measurement and nextgeneration APIs
- Multiple user experiences depending on the Device

Multiple devices, IoT, OT...



### **Enterprise Challenges**

#### **Data Security**

- Inability to adequately manage all sources containing company data
- Legal issues with respect to security or compliance mandates

# Application Provision and Cloud Migration

- Point to multi-point connections required
- Difficulty orchestrating multivendor, multi-region or hybrid applications

# Contractor / 3<sup>rd</sup> Party Access

- Access to corporate applications from nonplatform devices
- Difficulty or impossibility to deploy agents
- Extranet or point-to-point VPN required

#### **Secure IoT devices**

- Highly inefficient network segmentation unable to provide security in connected IoT/OT environments
- Inability to manage differentiated roles for users and IoT/OT

#### **Cost and Architecture**

- Complex and inefficient architectures
- The network do not scale adequately, are unable to adapt and rely on protocols not ready for today's env.
- Perimeter and hardwarebased security

# Business Agility and Merge & Acquisition

- Need for integration of complex systems
- Working access with overlapping IP space
- Access to infrastructure needed for new employees with non-platformed PCs

### **Productivity**

- Very low capacity to adapt to the business or service
- Inefficient architectures highly linked to hardware renewal
- Limited operational efficiency due to difficulties in provision, mgmt. and troubleshooting

#### Visibility

- No visibility into network, apps. and user performance
- Lack of vision regarding the use of the applications
- Impossible to understand employee usage patterns to propose improvements



## The regulatory landscape has made it harder to protect my business

NIST SOC2

ISO 27001 / 27002

NIS2

**ENS** 

**Common Criteria** 

**DORA** 

**NERC-CIP** 

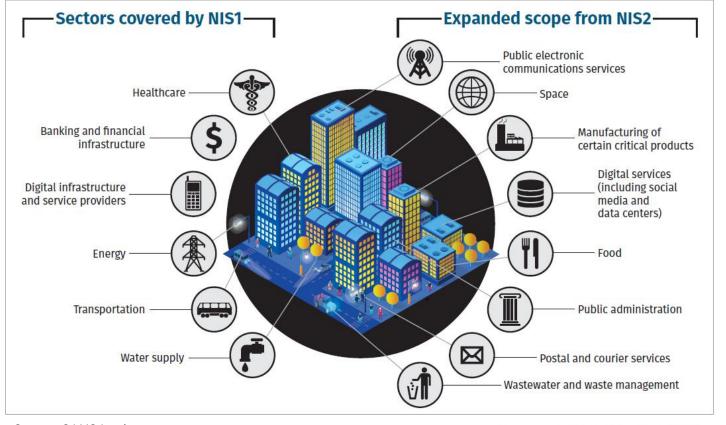
**GDPR** 

FISMA

**HIPAA** 

EU NIS 2 Scope- Essential and Important Entities – 50+ employees / 10M€+

(1 Million + enterprises and administrations are directly or indirectly are impacted)

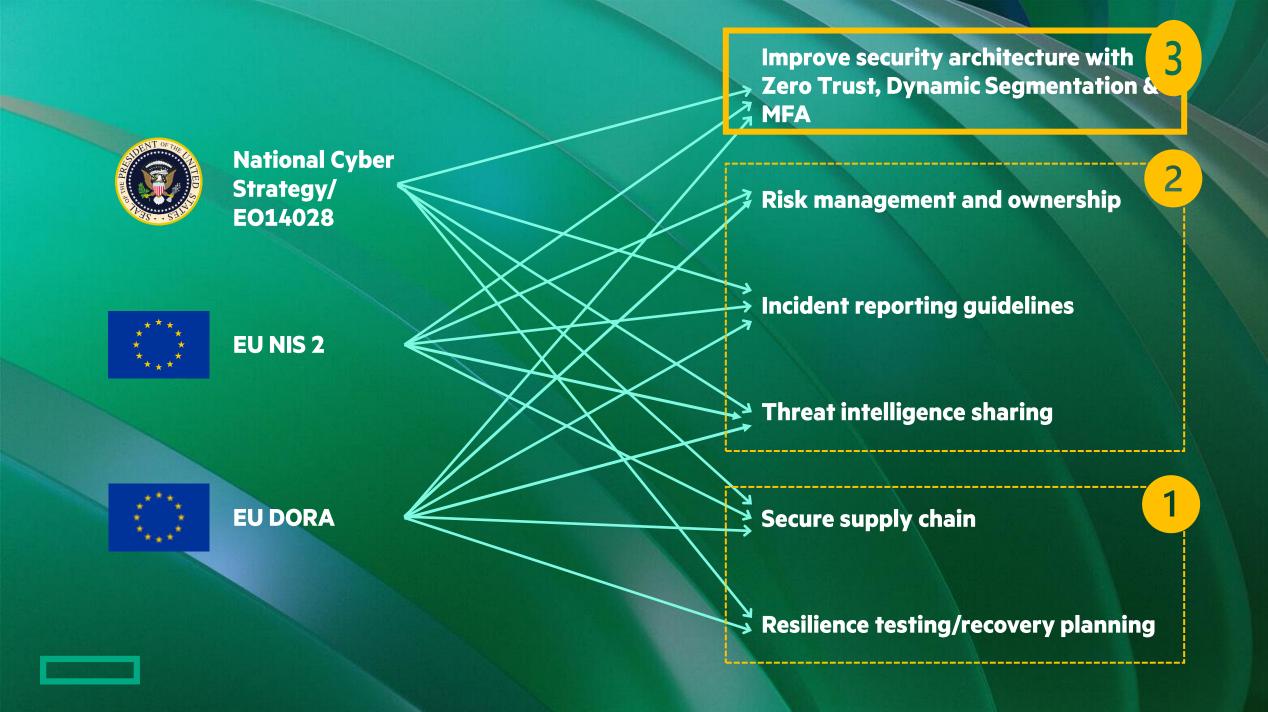


Source: SANS Institute

Figure 4. NIS2 In-Scope Sectors

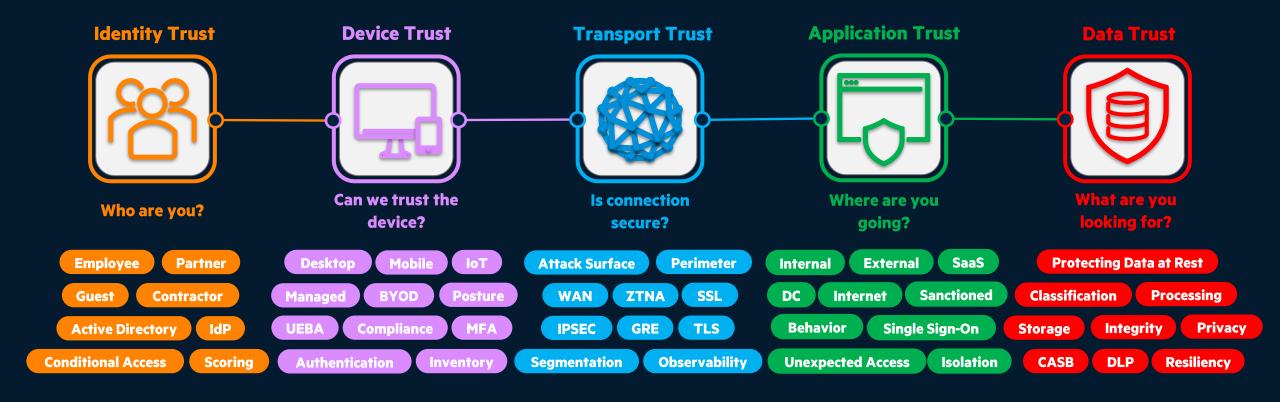
\* Fines of a maximum of at least 10 M€ or 2 % of the total worldwide annual turnover = GDPR





## Activating Zero Trust principles intrinsically across all networking

Zero-trust security is a framework built around the concept of least-privileged access, in which no user or application should be inherently trusted.



#### **Zero Trust Security**

**Zero Trust** principles cannot be applied to islands of innovation. A holistic approach is mandatory

#### **Zero Trust Security**

## Unified SASE

**Multi-Cloud Native SaaS Platform** 

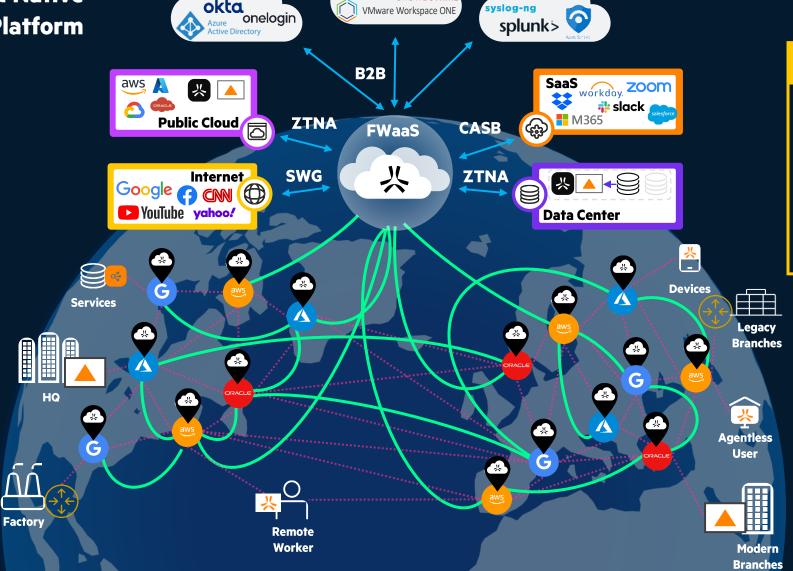


#### **Remote Worker**

Agent / Agentless All OS Supported **Unlimited Traffic Unlimited Devices** SDWAN Embedded All PoPs Included

#### **SDWAN**

**Business Intent Overlays** SD-WAN Fabric Orch. Path Conditioning and QoS App visibility and control Zero Trust segmentation Advanced crypto Zero Touch Configuration



#### **Legacy Branch**

Legacy Router / FW Onramp **IPsec Integration** ZTNA / SWG / CASB Services

## Transformation Journey with HPE or upon the networking

Stream 1:

Smart Digital Workplace



Stream 2:

Zero Trust Remote Access



Stream 3:

Twist Security to Employee Focus



Stream 4:

Network Modernization Multi-Cloud, Branch & Edge



Stream 5:

Reimagine Desktops & Apps with RBI



Stream 6:

Expanding Security Capabilities



Stream 7:

CI/CD, AlOps, Automations and Integrations



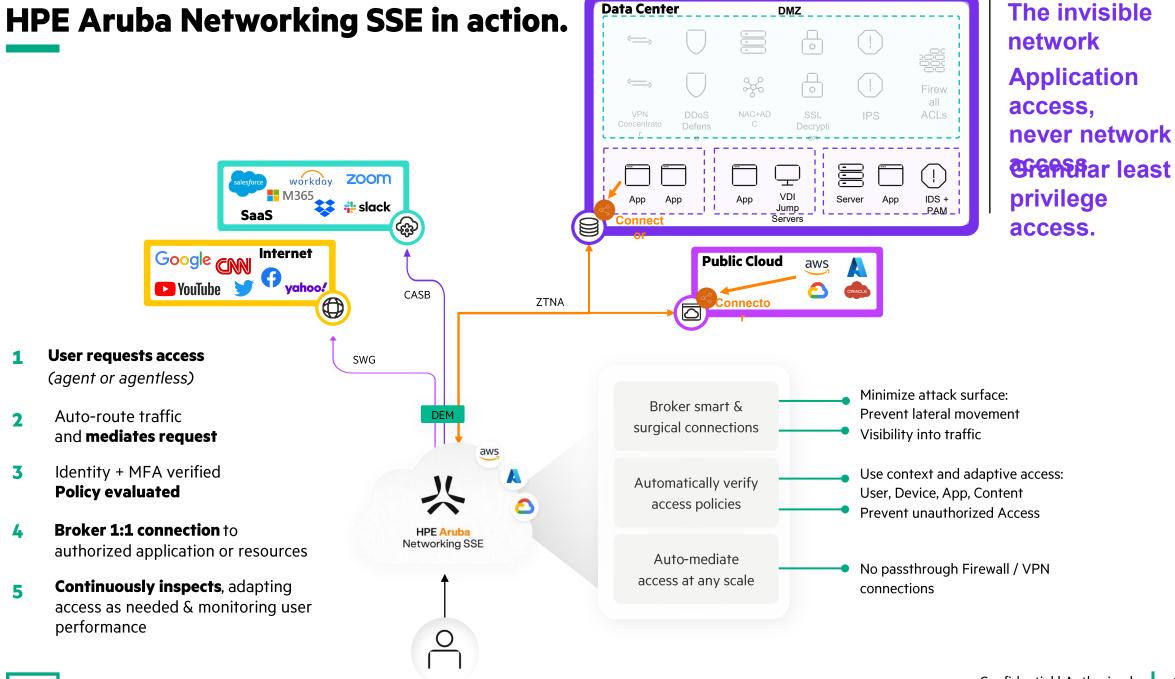
Stream 8:

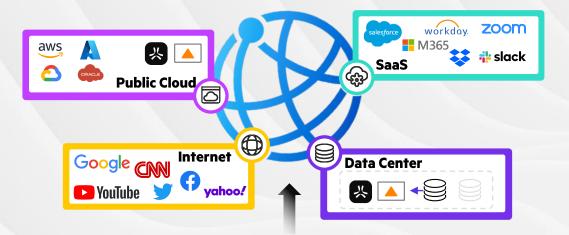
Improving the User Experience in 360°

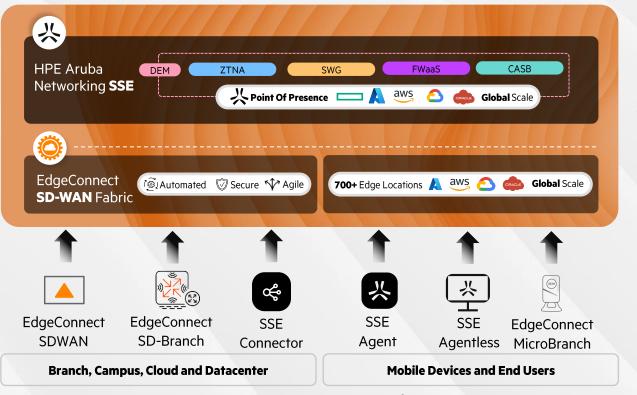


## Select where your journey begins

	VPNs	<b>ZTNA 1.0</b>	Aruba ZTNA
Keep Users Off The Network		•	•
Reduce attack surface of infrastructure		<b>+</b>	<b>+</b>
DDoS proof Private Apps		<b>⊕</b>	<b>+</b>
Application Discovery		•	<b>•</b>
Agentless Web, SSH, RDP, Git, DB, VNC Access			<b>•</b>
• Full SSE Inspection/ Continuous Authorization / Visibility			<b>+</b>
Per app segments, User group pairing			<b>+</b>
Any Port / Protocol (P2P / VOIP, AS400, etc.)			<b>+</b>
Server Initiated Flows / Push Patching			<b>+</b>
Multi-cloud PoP resilience			•
Smart Routing for ZTNA Connectors			<b>•</b>
IPsec Tunnels for ZTNA	•		•
Local Edge Private POP			•









#### **Multi-Cloud Native SaaS Platform**

+Secure

360° Security

+Simple

**Easier to Deploy & Operate** 

+Productivity

**Frictionless User Experience in** any Use Case













#### **SDWAN**

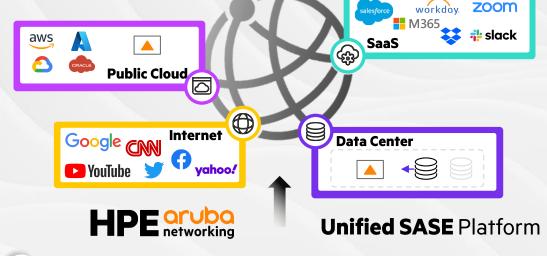
- ✓ Virtual Overlay Architecture (BIOs) ((NIS2
- **Per Packet Traffic Management**
- **Path Conditioning**
- High Scalability & Resiliency
- ✓ Cloud Native Integration (laaS/PaaS)
- SaaS Performance Enhancement
- ✓ Real Time Visibility
- ✓ Advanced Routing (BGP, OSPF)
- **✓** ZTP

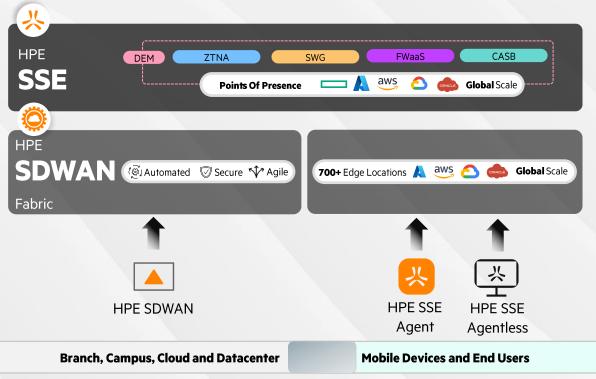
#### Security

- ✓ Certified Stateful Firewall (L3-L7) ((VIS2
- **DDoS defense**
- ✓ Zero Trust Segmentation
- ✓ VRF Segmentation
- Automated SSE Orchestration

#### Add-On

- ✓ WAN Optimization
- (((NIS2 Dynamic Threat Defense
- **Multitenant Orchestrator**
- ✓ On-prem Airgap Solution





#### **Private Data**

- ✓ Zero Trust Network Access
- Agentless
- ✓ Discovery

#### **External Data**

- ✓ FWaaS
- ✓ Secure Web Gateway
- ✓ CASB
- ✓ Advanced DLP
- ✓ Malware Scan

#### **Operations**

- ✓ Dashboard
- ✓ Agent
- **✓** IDP
- ✓ MCN
- ✓ Digital Experience Monitoring
- ✓ Local Edge
- **KKNIS2**
- ✓ Server to Server

#### Add-On

✓ Sandbox Security Package











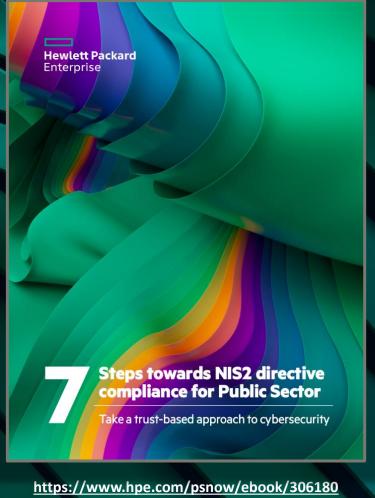








# **Helpful documents**



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# Thank you

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x = False
  d.use_y = True
  1.use_z = False
  on == "MIRROR_Z":
 od.use_x = False
 od.use_y = False
 od.use_z = True
 on at the end -add back the desel
 lect= 1
select=1
"Scene.objects.active = modifier_
 ted" + str(modifier_ob)) # modifier
 ob.select = 0
 ontext.selected objects[0]
 lects[one.name].select = 1
please select exactly two objects,
ERATOR CLASSES
```