



# Zero Trust Network Solution Architecture

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Practitioner Framework

# Common Security challenges that are forcing the adoption of Zero Trust

## Overly Permissive Access

Overly permissive access to applications either because it is unclear what the correct policy should be or mistakes in network and policy configuration, allowing attackers to get a foothold

## Large Blast Radius

Internal segmentation largely unrestricted, allowing malicious users and attackers to easily move laterally once they have a foothold

## Stolen Credentials Reuse

Attackers accessing sensitive applications and data using stolen credentials

## Inconsistent Security

Security scanning only applied to select traffic, creates a significant risk leading to credential theft, data loss, and attackers gaining an opportunity to move laterally

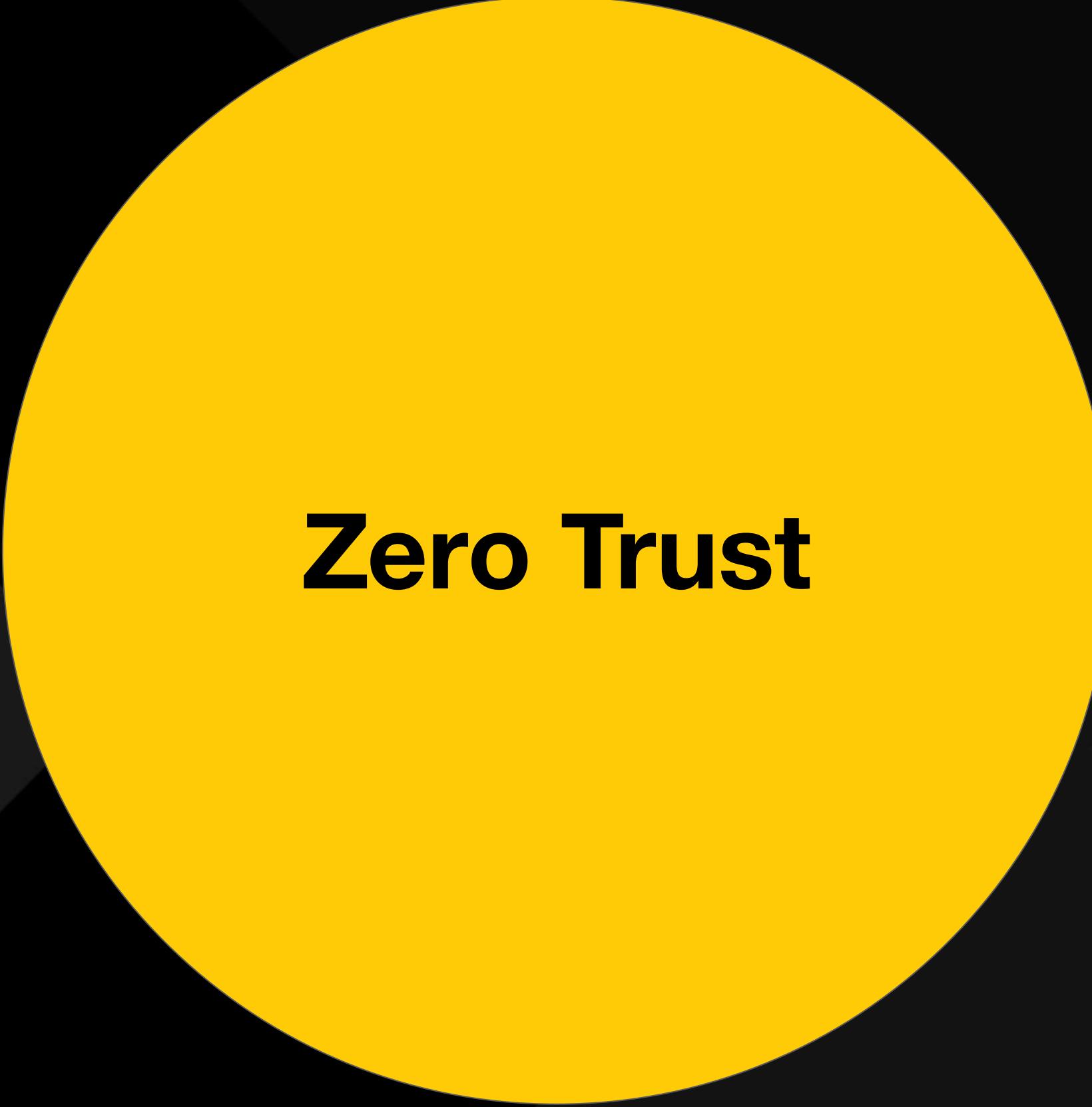
## Bad User Experience

End users get a highly fragmented experience based on where they're working from, and operations are overly complex for admins

## Unmanaged Devices

Employees accessing sensitive applications and data from unmanaged devices results in data leaving the enterprise's security perimeter

## LETS GET CLEAR ON TERMINOLOGY

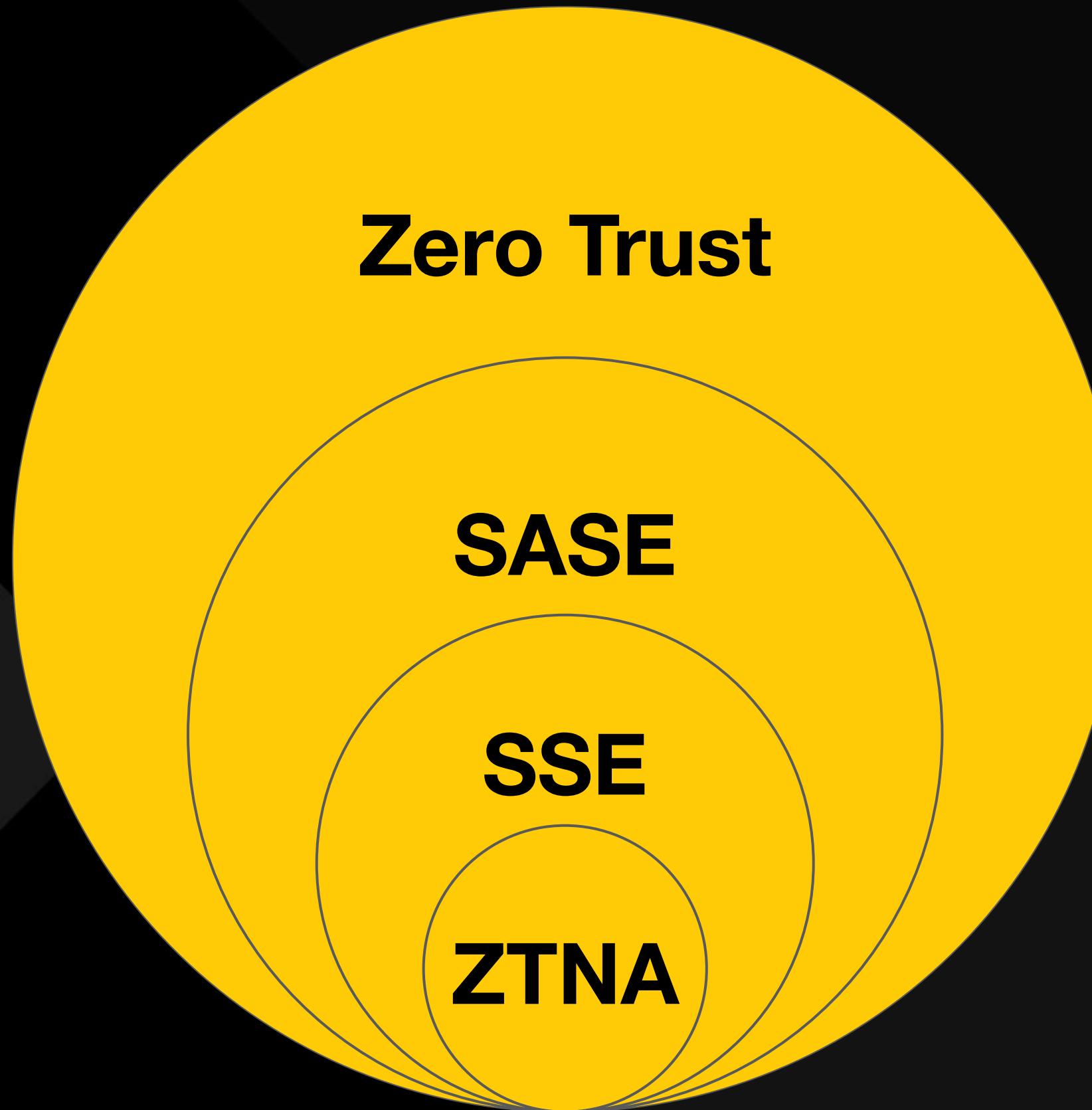


**Zero Trust**

**Zero Trust** is a **strategic approach** to cybersecurity.

**Goal:** Eliminate implicit trust and continuously validate every stage of a digital interaction.

# LETS GET CLEAR ON TERMINOLOGY

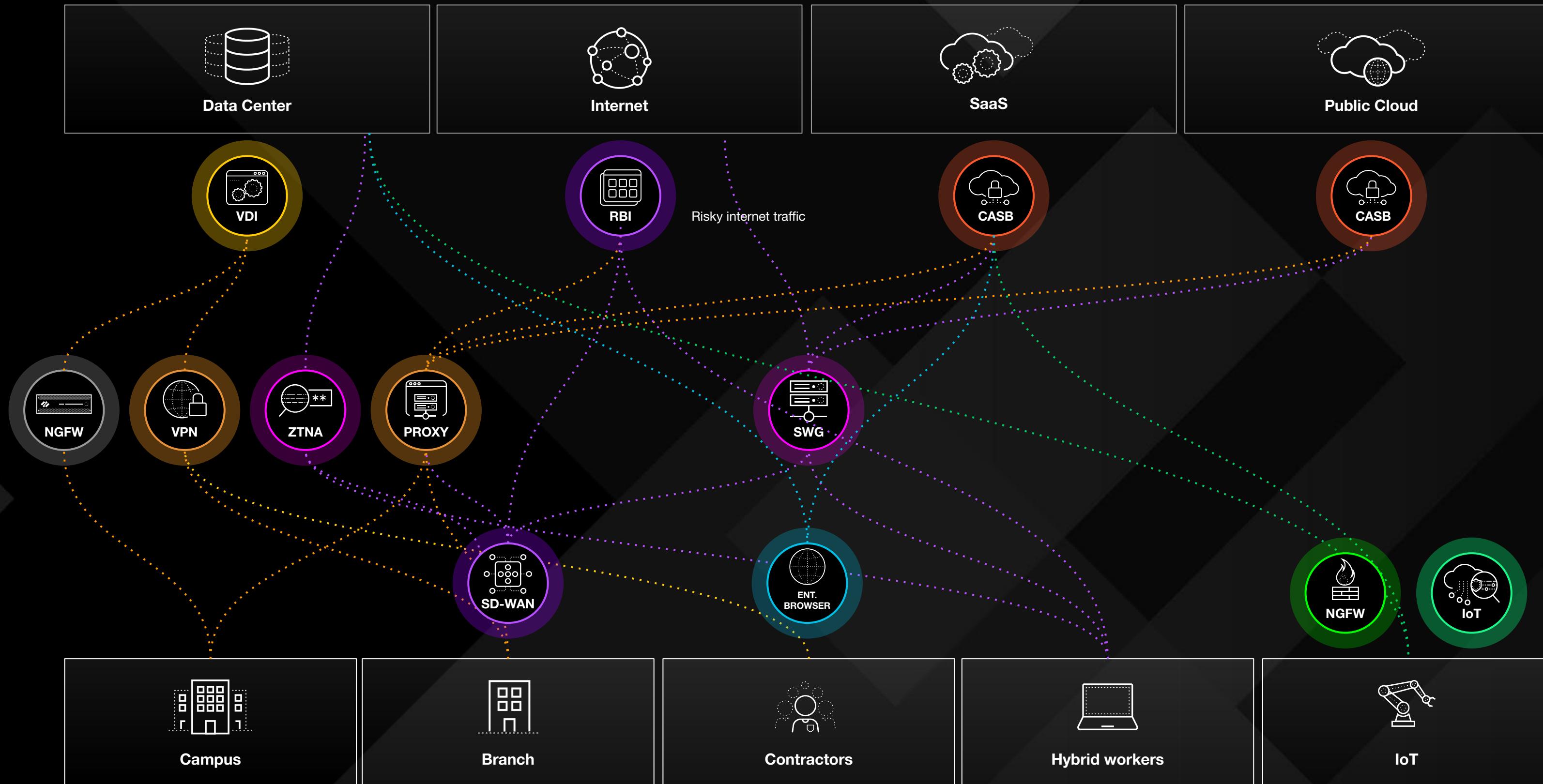


Gartner defined technology market segments like **SASE**, **SSE**, and **ZTNA**.

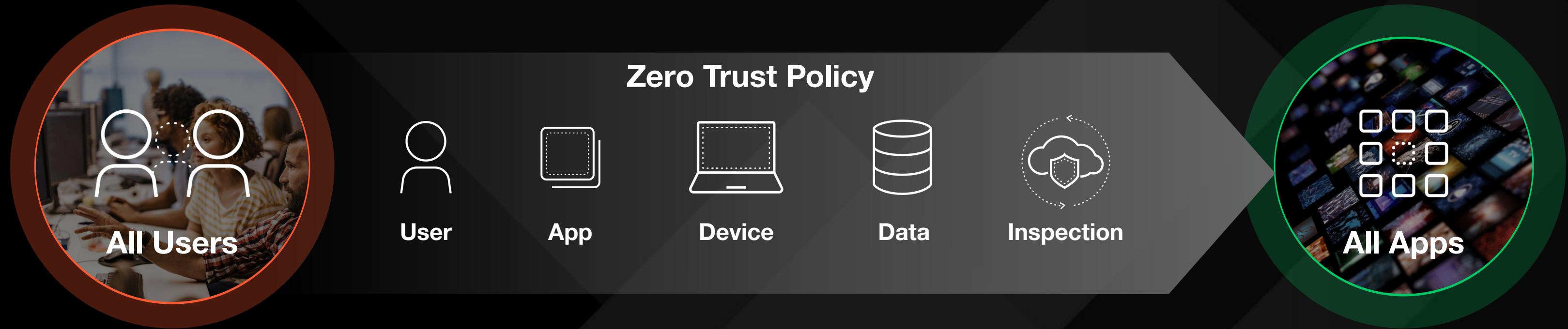
**ZTNA** implementations have largely been defined by the vendor community.

# **How a platform enables the journey to Zero Trust**

# Zero Trust is hard with **complex** and **fragmented** network security stacks



# Conceptually, Zero Trust is very simple



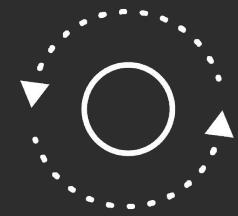
# But the reality is that Zero Trust must apply to the entire enterprise



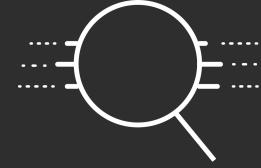
# Palo Alto Networks: A platform approach to Zero Trust



# Palo Alto Networks' Approach to **Zero Trust**



**Identify and verify all  
Users, Devices, and  
Applications**



**Enforce least  
privilege policy**



**Apply holistic  
security inspection**

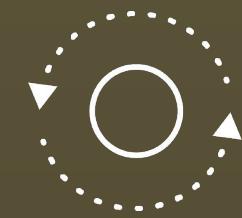


**Control data access  
and movement**

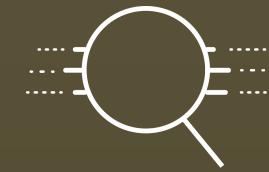


**Optimize user and  
operational experience**

# Palo Alto Networks' Approach to Zero Trust



**Identify and verify all  
Users, Devices, and  
Applications**



**Enforce least  
privilege policy**



**Apply holistic  
security inspection**



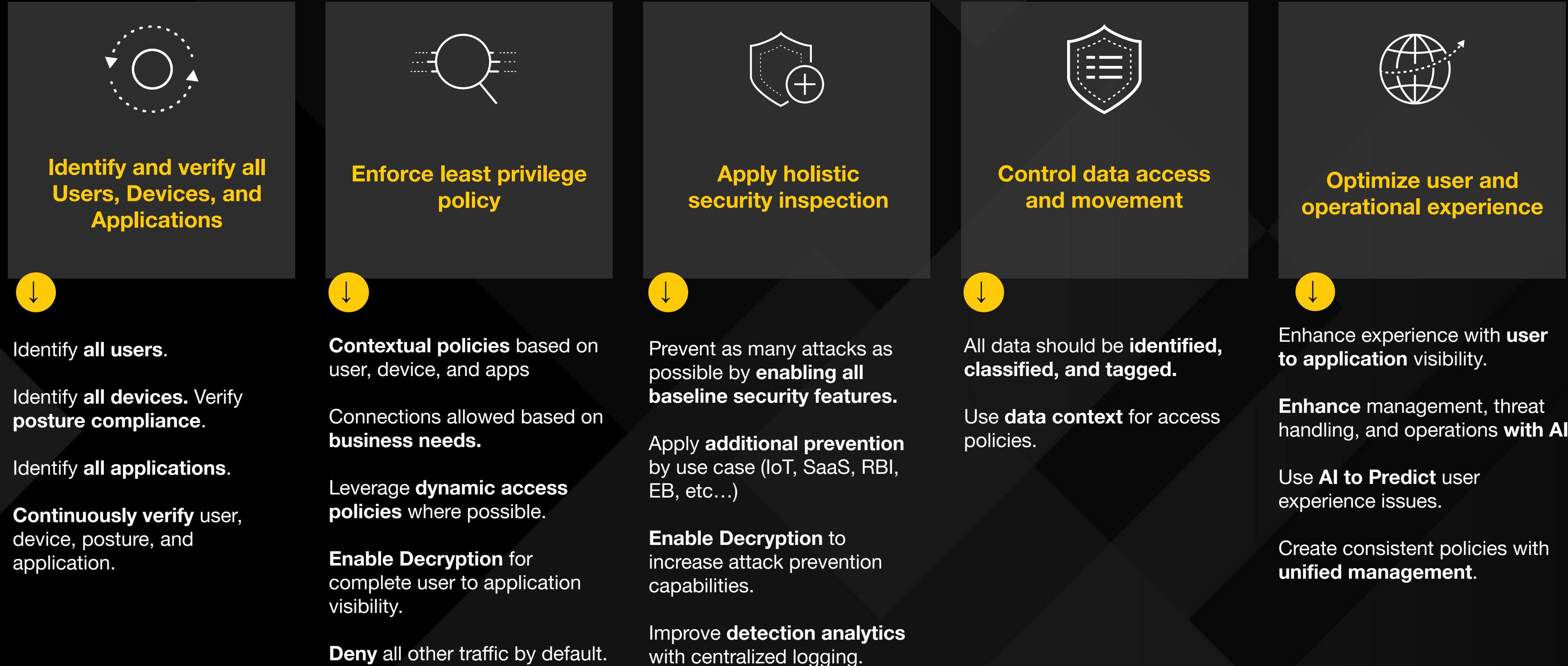
**Control data access  
and movement**



**Optimize user and  
operational experience**

**Continuously Optimize with AI and Automation**

# Palo Alto Networks' approach to Zero Trust under the hood



# Identify and verify user, device, and application – Key elements



## All users

- Identify and verify **all users**
- Capture all necessary **user context**
  - Role
  - Location
  - Behavior



## All devices

- Identify **all devices**
- Understand all necessary **device context**
  - Category
  - Type
  - Security posture
  - Behavior



## All applications

- Fingerprint **all applications** based on network traffic
- Understand all necessary **application context**
- **Classify applications** based on business requirements **into sanctioned, unsanctioned, and tolerated**



Constantly Monitor for Changes



# Identify and verify user, device, and application – Implementation

Capabilities to enable			
	Key elements	Core	Advanced
<b>All Users</b>	Identify and verify all users	<ul style="list-style-type: none"> <li><input type="checkbox"/> Hardened IdP with MFA (e.g., Okta with hardened config)</li> <li><input type="checkbox"/> Right sized identity provider landscape to ensure user segmentation by classification or compliance rules</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Passwordless MFA as per FIDO2</li> <li><input type="checkbox"/> Privileged account access controls (e.g., JIT) &amp; management</li> <li><input type="checkbox"/> Automated provisioning &amp; deprovisioning (e.g., IGE solution)</li> </ul>
	Capture all necessary user context	<ul style="list-style-type: none"> <li><input type="checkbox"/> Each user context includes group, business units, and role</li> <li><input type="checkbox"/> Centralized user information repository within CIE</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Each user context includes other attributes such like region, language, etc., for more granular user/group policy decisions</li> </ul>
<b>All Devices</b>	Identify and verify all devices	<ul style="list-style-type: none"> <li><input type="checkbox"/> Managed devices hardened with GlobalProtect</li> <li><input type="checkbox"/> Unmanaged devices identified via IdP vendor, internal and SaaS access only allowed using Prisma Access Browser or GlobalProtect.</li> <li><input type="checkbox"/> All IoT devices manually identified based on traffic logs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Managed devices : Enforce GlobalProtect always-on and manage centrally (e.g., Jamf, Intune).</li> <li><input type="checkbox"/> Unmanaged devices: connections enforced via Enterprise Browser and managed via Mobile Device Management</li> <li><input type="checkbox"/> IoT devices fingerprinted with inline IoT Security</li> </ul>
	Understand all necessary device context	<ul style="list-style-type: none"> <li><input type="checkbox"/> Host Information Profile (HIP) captured from GlobalProtect</li> <li><input type="checkbox"/> IoT device context such as vendor, model, and version captured</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> HIP changes automatically change access policy in real time.</li> <li><input type="checkbox"/> XDR on endpoints for capturing expanded context</li> <li><input type="checkbox"/> Adtl. IoT device context such as OS version and CVEs captured</li> </ul>
<b>All Apps</b>	Fingerprint all apps based on network traffic	<ul style="list-style-type: none"> <li><input type="checkbox"/> Repository of all identified applications with App-ID/SaaS Inline</li> </ul>	
	Understand all necessary business apps	<ul style="list-style-type: none"> <li><input type="checkbox"/> Each application classified based on business use and access needs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Each application classified additionally based on type and sensitivity of data</li> </ul>
	Classify necessary apps based on business requirements	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enforce compliance on device by tagging only required apps as sanctioned and partner apps as tolerated</li> <li><input type="checkbox"/> All other identified apps in the environment must be left untagged and therefore unsanctioned</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Sanctioned and tolerated business apps reviewed on a regular basis to remove the risky ones from policy</li> </ul>

# Enforce Least Privilege Policy – Key Elements



## Define policies based on context

- All components of context from users, devices, and applications are leveraged to compose access policies.
- Selectively enable inspection of encrypted traffic for complete visibility.



## Apply policies based on business needs

- Regularly assess which roles need access to which applications and data. Leverage to create and monitor access policies.
- Leverage automation to make user policies dynamic based on user and device behavior.



## Default-deny for everything else

- All connections are denied unless explicitly allowed

# Enforce Least Privilege Policy – Implementation

Capabilities to enable			
	Key Elements	Core	Advanced
<b>Define policies based on context</b>	All context about users, devices, and applications are leveraged to compose access policies	<ul style="list-style-type: none"> <li><input type="checkbox"/> Create new security policies based on apps observed in the logs while maintaining existing policies in place</li> <li><input type="checkbox"/> Use posture information in security policy</li> <li><input type="checkbox"/> 100% user, device, and app-aware (L7) policies.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Endpoint enforcement to sanctioned app access (BYOD / Managed)</li> <li><input type="checkbox"/> Dynamic Access Policies: leverage automated workflows to change access based on behavior in real time.</li> </ul>
	Selectively enable inspection of encrypted traffic for complete visibility	<ul style="list-style-type: none"> <li><input type="checkbox"/> Decryption enabled for unknown websites that are allowed</li> <li><input type="checkbox"/> Decryption enabled for malicious websites that are selectively allowed to certain admin groups such like SOC and IR</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Decrypt everything you can.</li> </ul>
<b>Define what access is needed based on job function</b>	Establish a process to map roles to sanctioned/tolerated applications and resources. Update regularly	<ul style="list-style-type: none"> <li><input type="checkbox"/> Quarterly access review of policies with business leaders to validate business need vs risk.</li> <li><input type="checkbox"/> Quarterly business leadership meetings for upcoming product launches that will require new app-aware (L7) policies.</li> <li><input type="checkbox"/> Define sanctioned, tolerated, and unsanctioned apps and apply policy appropriately.</li> <li><input type="checkbox"/> Only corporate sanctioned and tolerated apps allowed by policy based on job function.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Monthly access review of policies with business leaders to validate need vs risk.</li> <li><input type="checkbox"/> Corporate procedures to allow security evaluation of any new software or app usage.</li> </ul>
	Translate into effective policies	<ul style="list-style-type: none"> <li><input type="checkbox"/> Unused policies that have not been used for over 90 days are retired.</li> <li><input type="checkbox"/> Cloned predefined default security profiles are placed on a security profile group name 'default' for consistency and automatic application to every new policy.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Unused policies that have not been used for over 30 days are retired on a per business unit basis</li> <li><input type="checkbox"/> Cloned predefined strict security profiles are placed on a security profile group name 'default' for consistency</li> <li><input type="checkbox"/> Custom app signatures for private apps</li> </ul>
<b>Default-deny for everything else</b>	All connections are natively denied unless explicitly allowed	<ul style="list-style-type: none"> <li><input type="checkbox"/> Existing default-deny policy leveraged</li> <li><input type="checkbox"/> Logging on default-deny policy must be enabled</li> </ul>	

# Apply Holistic Security Inspection – Key elements



## Apply core security everywhere

- **Enable Decryption** to increase attack visibility.
- Proactively **block vulnerabilities/exploits** in real-time
- Analyze risky files for **malware**
- Proactively block **malicious websites, phishing attempts** and **fileless attacks**
- Scan DNS traffic and **block DNS-related attacks** in real-time
- **Log everything** centrally.



## Layer in additional security features

- Detect **anomalies and prevent threats to and from IoT devices**
- **Manage security posture** and **protect access to SaaS applications** in real-time
- Provide a **secure enterprise browser** for access to all web-applications.
- **Isolate users' web browsing sessions** for risky websites



## Collect data for detection analytics

- Use all enforcement points to **collect all relevant data** needed for detection analytics. **Automate responses** where possible.
- **Centralized logging** allows for behavior analysis, enables dynamic policy changes, and event remediation.
- Regularly **update policies** for **improved detection accuracy** based on threat data.
- **Expose APIs** for real-time response

# Apply Holistic Security Inspection – Implementation

Capabilities to enable			
	Key Elements	Core	Advanced
<b>Apply core security everywhere</b>	Scan and block in real-time vulnerabilities/exploits	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable a default Vulnerability Protection and Anti Spyware profiles on all security policies.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customize the Vulnerability and Anti-Spyware profiles to your specific business needs and exceptions.</li> </ul>
	Analyze risky files that could include malware	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable a default WildFire and File Blocking profiles for known high risk extensions.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customize the WildFire and File Blocking profile to your specific business needs and exceptions..</li> </ul>
	Scan for malicious websites, phishing and other fileless attacks	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable URL Filtering profile on all outbound security policies.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customize the URL Filtering profiles to your specific business needs and exceptions..</li> </ul>
	Scan DNS traffic and block in real-time DNS-related attack	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable a default Anti Spyware profile to prevent DNS-related attacks on all security policies</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customize the Anti-Spyware profile to your specific business needs, prioritizing exceptions tuning.</li> </ul>
<b>Apply adtl. security per use case</b>	Detect anomalies and prevent threats to and from IoT devices	<ul style="list-style-type: none"> <li><input type="checkbox"/> Create profiles based on device types you observe from the traffic forwarded by your enforcement points to IoT Security.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable IoT Security to automatically push/suggest rule changes on your enforcement point to prevent threats.</li> </ul>
	Manage security posture and protect access into SaaS apps in real-time	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable sanctioned apps with security controls, limit tolerated apps data types access, and block unsanctioned.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Strictly control the sanctioned apps configurations to maintain security state and auto-correct config drifts.</li> </ul>
	Isolate users' web browsing sessions for risky websites access	<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable Remote Browser Isolation on Prisma Access</li> <li><input type="checkbox"/> Create or update a URL access management profile and attach the default isolation profile to it.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customize infrastructure settings for RBI global behavior.</li> <li><input type="checkbox"/> Customize an isolation profile to control what want to allow/deny during a RBI session (copy/paste/download).</li> </ul>
<b>Collect data for detection analytics</b>	Use all enforcement points to collect all relevant data needed for detection analytics		<ul style="list-style-type: none"> <li><input type="checkbox"/> Enable Enhanced Application Logging on all firewalls.</li> <li><input type="checkbox"/> Add the predefined Log Forwarding profile to Security policy rules in bulk for security services like IoT Security.</li> </ul>
	Regularly update policies to improve detection accuracy based on threat data from services		<ul style="list-style-type: none"> <li><input type="checkbox"/> Observe the logs for threats and create exceptions for false positive detected on your legitimate business traffic.</li> </ul>
	Expose APIs for real-time response		<ul style="list-style-type: none"> <li><input type="checkbox"/> Specify the lifetime for which your API keys are valid.</li> </ul>

# Control Data Access and Movement – Key elements



## Use data context in access policies

- Define **data categories and sensitivity** based on business requirements.
- **Identify** where all sensitive data resides and **classify it by type** (e.g., source code, PII)
- Leverage **data context** to refine access policies



## Control and monitor data movement

- **Log data movement** for all allowed connections based on sensitivity or tag
- **Prohibit sensitive data transfer** to undesired devices and/or applications
- Define **response workflows for allowed sensitive data transfers** to desired devices or applications (e.g., require approval, identify malpractice but allow)

# Control Data Access and Movement – Implementation

	Capabilities to enable		
	Key Elements	Core	Advanced
<b>Use data context in access policies</b>	Define data categories and sensitivity based on business requirements	<ul style="list-style-type: none"> <li><input type="checkbox"/> Regular process to manually list of all data used for standard, regulated, and proprietary types</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Automatic data categories definition based on identified data in scheduled scans across all data stores</li> <li><input type="checkbox"/> Custom data categories exist for proprietary data</li> </ul>
	Identify where all sensitive data resides and classify it by type (e.g., source code, PII)	<ul style="list-style-type: none"> <li><input type="checkbox"/> Inventory of all data types used with their location and access rights/rules via manual processes (e.g., surveys)</li> <li><input type="checkbox"/> Classification of data within crown jewel applications</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Applications that perform data classification in within are configured for data visibility (e.g., Salesforce)</li> <li><input type="checkbox"/> Automatic scanning, discovery, classification and dynamic inventory of all data types in a unified view</li> </ul>
	Leverage data context (from incl. non crown jewels) to refine exposure policies	<ul style="list-style-type: none"> <li><input type="checkbox"/> Predefined data classifiers within Enterprise DLP leveraged to define data profiles and access policies</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Customized data classifiers applied for standard, regulated, and IP data types with specific policies</li> <li><input type="checkbox"/> Over privileged access and overexposed data monitored and removed based on data exposure intelligence</li> </ul>
<b>Prevent data movement to undesired locations</b>	Log data movement across all allowed connections based on its sensitivity	<ul style="list-style-type: none"> <li><input type="checkbox"/> Logging enabled for full SOC visibility into all crown jewel apps based on logs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Train users with end-user notification and coaching for DLP policy violations</li> </ul>
	Prohibit sensitive data transfer to undesired devices and/or applications	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ingress / Egress policies in Crown Jewels apps to limit data transfer to only specific sanctioned apps</li> <li><input type="checkbox"/> Device control endpoint policy for removable media, printing, network shares</li> <li><input type="checkbox"/> Enforce sensitive data leak policies for corporate outbound email</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Visibility and control into sensitive data leak between non-corporate tenants and enterprise entities</li> <li><input type="checkbox"/> Targeted endpoint DLP policy for removable media, printing, network shares</li> </ul>
	Define response workflows for allowed sensitive data transfers to desired devices or applications	<ul style="list-style-type: none"> <li><input type="checkbox"/> Single pane of glass to manage data remediation issues based on risk, context, and priority</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Automated and scheduled workflows to archive, delete, quarantine, mask, encrypt, and anonymize data</li> <li><input type="checkbox"/> Automated deletion of duplicate, redundant, and unnecessary data based on retention policies</li> </ul>

# Optimize User and Operational Experience – Key elements



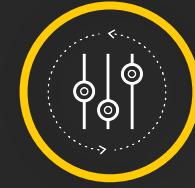
## Optimize user experience

- End to end **connection monitoring** (user to application)
- Continuous **performance optimization** (e.g., latency)



## Optimize Operational Experience

- **Predict or detect in real time** any operational disruptions before the business is impacted
- **Automate remediation** for rapid resolution



## Unify Management

- **Centralized management** across all enforcement points
  - Hardware
  - Virtual Firewalls
  - Cloud-Native Firewalls
  - SASE

# Optimize User and Operational Experience – Implementation

Capabilities to enable			
	Essential controls	Core	Advanced
<b>Optimize user experience</b>	End to end connection monitoring (user to app)	<ul style="list-style-type: none"><li><input type="checkbox"/> Health and performance for all users, branch sites, applications, and IT infrastructure monitored via ADEM</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Proactive notifications to users for self-serve via ADEM</li></ul>
	Continuous performance optimization (e.g., latency)		<ul style="list-style-type: none"><li><input type="checkbox"/> App Acceleration enabled</li><li><input type="checkbox"/> Metric collection enabled to verify app performance when using App Acceleration</li></ul>
<b>Optimize Operational Experience</b>	Predict or detect in real time any operational disruptions before the business is impacted	<ul style="list-style-type: none"><li><input type="checkbox"/> Unified pane of glass for all incidents and alerts across network via AIOps</li><li><input type="checkbox"/> Alerts correlated into single incidents and enriched with impact, cause, and resolution recommendations via AIOps</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Future capacity requirements forecasted to significantly reduce downtime via AIOps</li></ul>
	Automate remediation for rapid resolution		<ul style="list-style-type: none"><li><input type="checkbox"/> Automated remediations based on AIOps insights across all form factors used to reduce MTTR and downtime</li></ul>
<b>Unify Management</b>	Centralize management in a single pane of glass across every enforcement point	<ul style="list-style-type: none"><li><input type="checkbox"/> Strata Cloud Manager (SCM) or Panorama established as the unified pane of glass across all form factors</li></ul>	

# Reduce Complexity with a Unified Zero Trust Platform

SUB-CATEGORY	ONE PLATFORM
Firewall	
Intrusion Prevention	
URL Filtering	
Sandbox	
DNS Security	
IoT / OT Security	
Data Loss Prevention (DLP)	
Cloud Access Security Broker	
ZTNA / Remote Access	
SD-WAN	
Remote Browser Isolation	
Enterprise Browser	
Secure Web Gateway (SWG)	
User Experience Management	

Strata  
Network Security  
Platform

#platformization

# Focus People Effort on Right Side of Cyber Attack Lifecycle



# Daily Log & Alert Volume

## DAY IN THE LIFE OF THE PALO ALTO NETWORKS SOC

### Log Events

Includes all log events ingested to XSIAM

**59B Events**

### Raw Alerts

After AI-driven data analysis by XSIAM

**26K Alerts**

### Alerts

After grouping, exclusions, deduping by XSIAM

**75 Alerts**

### Analysis

Automated fully or partially by playbooks

**10 Fully Auto  
65 Partially Auto**

### Incidents

Any alert that requires SOC action

**1 Incident**

### Major Incidents

**7**

**MINUTES**

**Mean Time to Detect**

**1**

**MINUTE**

**Mean Time to Respond**

(High priority)

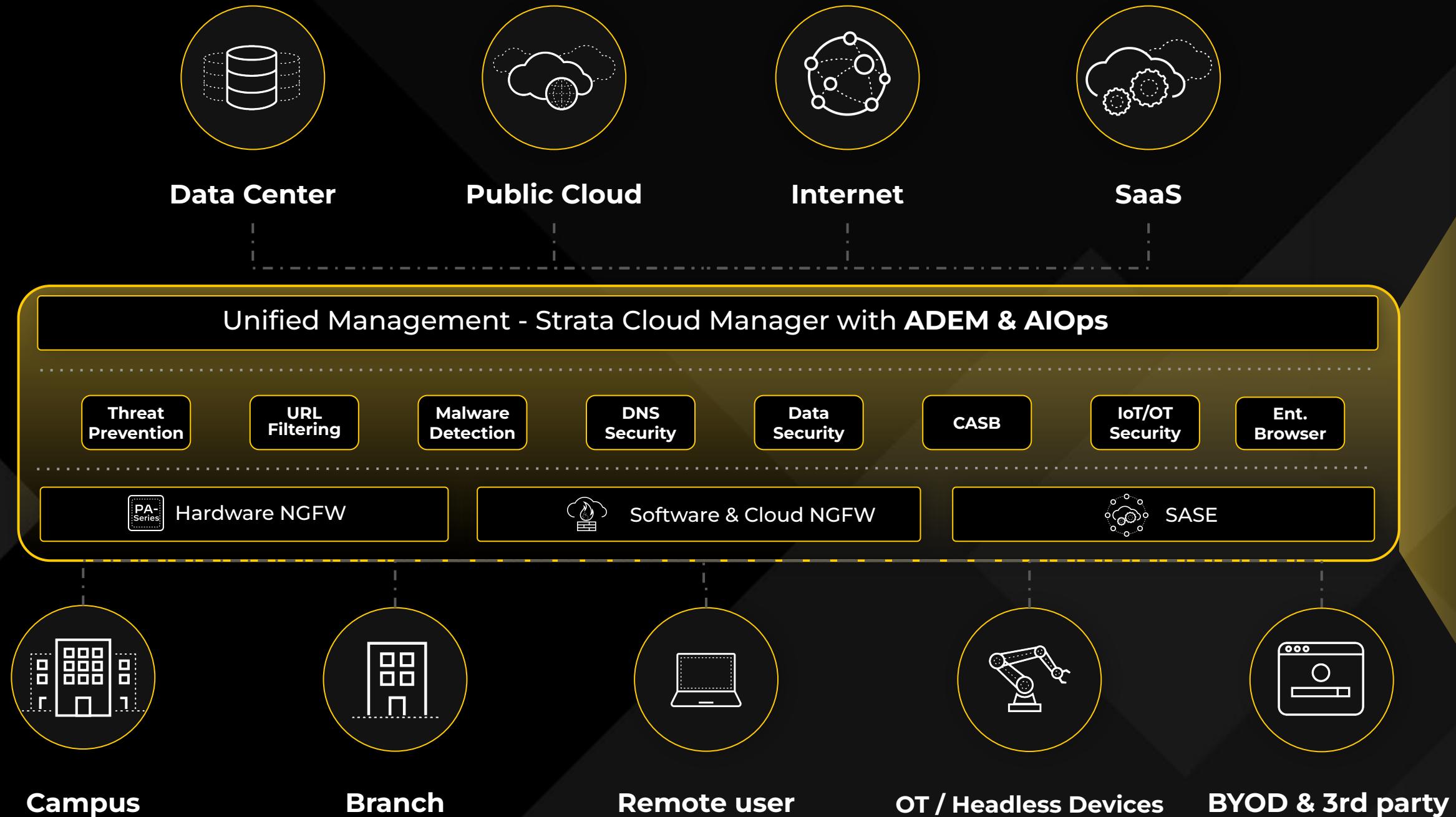
**65**

**FTE**

**Staff automation efficiency savings**  
(per annum)

# **How the Strata Platform maps to the 5-pillars**

# Strata Network Security Platform is modular so you can choose your path to Zero Trust



## AI-Powered Unified Management

Predict disruptions, enable security best practices, and deploy unified policies.

## Cloud Delivery Security Services

Advanced security inspection techniques prevent threats in real time using AI & Automation

## Best-in-class enforcement points

Industry's only recognized leader in Network, Virtual & Cloud Firewalls, SASE, and SD-WAN.

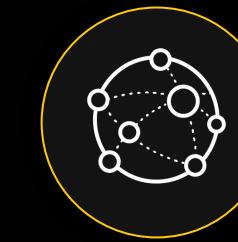
# Strata Network Security Platform is modular so you can choose your path to Zero Trust



Data Center



Public Cloud



Internet



SaaS

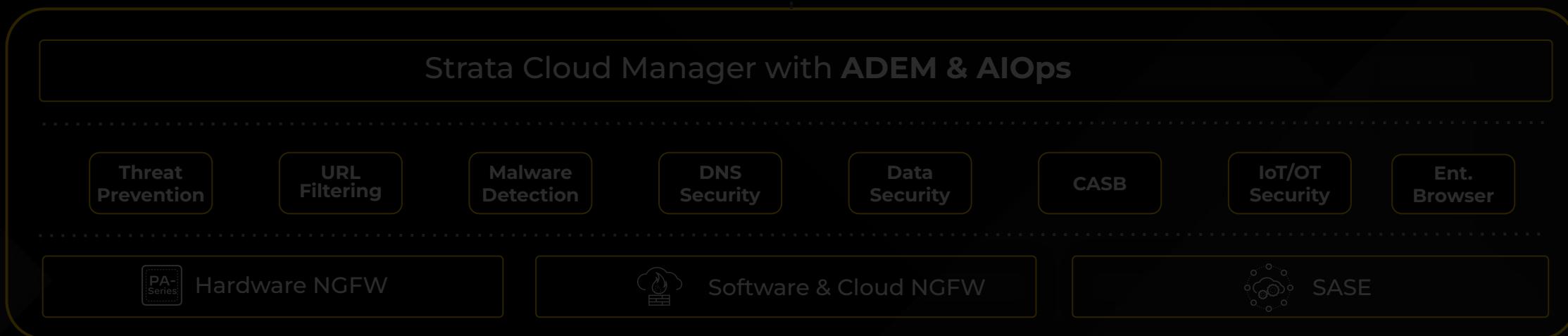
## Zero Trust Principles

- 1 Identify and Verify all Users, Devices, and Applications

2 Enforce least privilege policy

3 Apply holistic security & isolation

- Identify all users.
- Identify all devices. Verify posture compliance.
- Identify all applications.
- Continuously verify user, device, posture, and application.



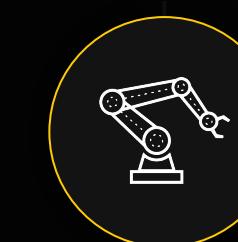
Campus



Branch



Remote user

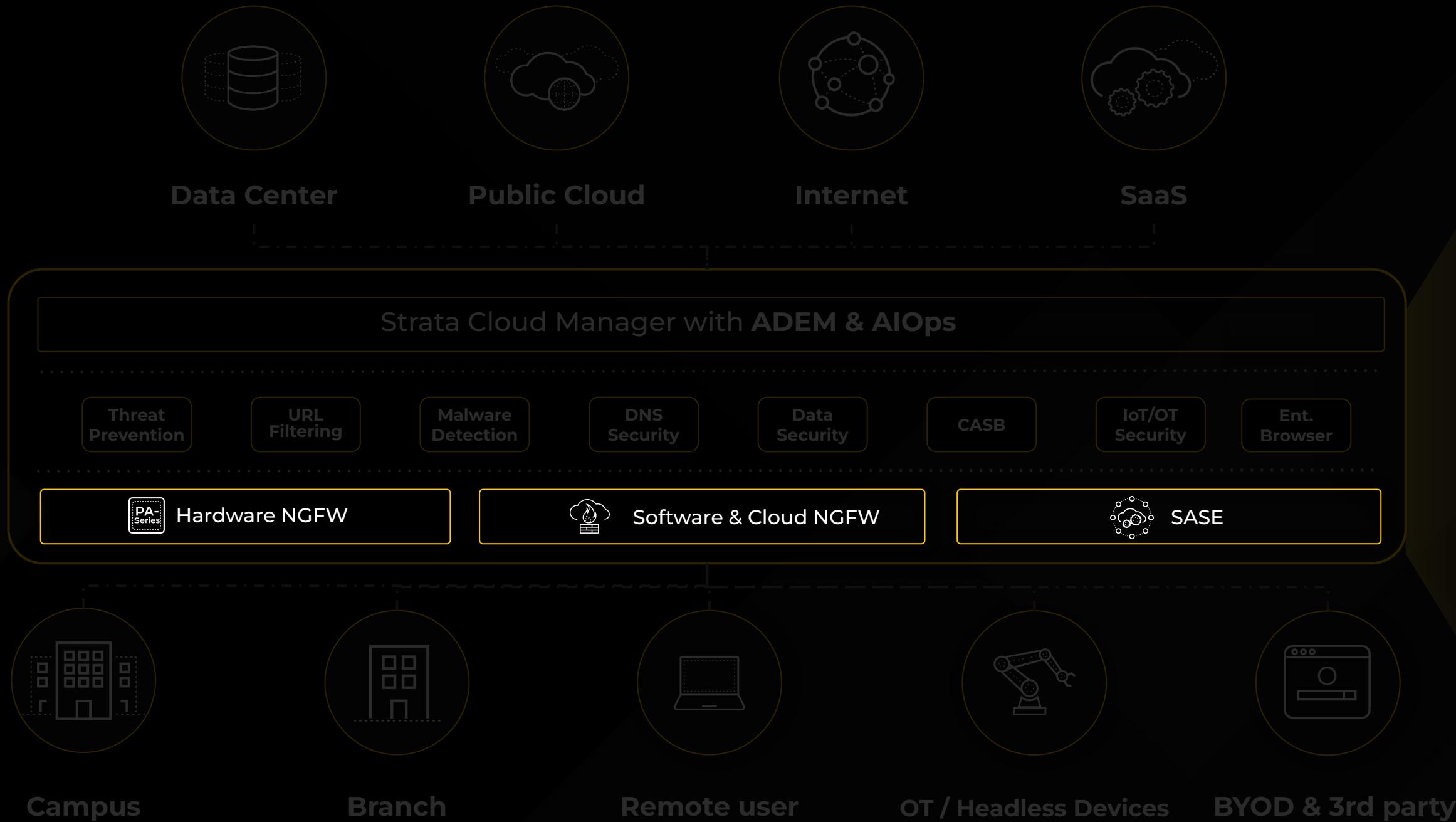


OT / Headless Devices



BYOD & 3rd party

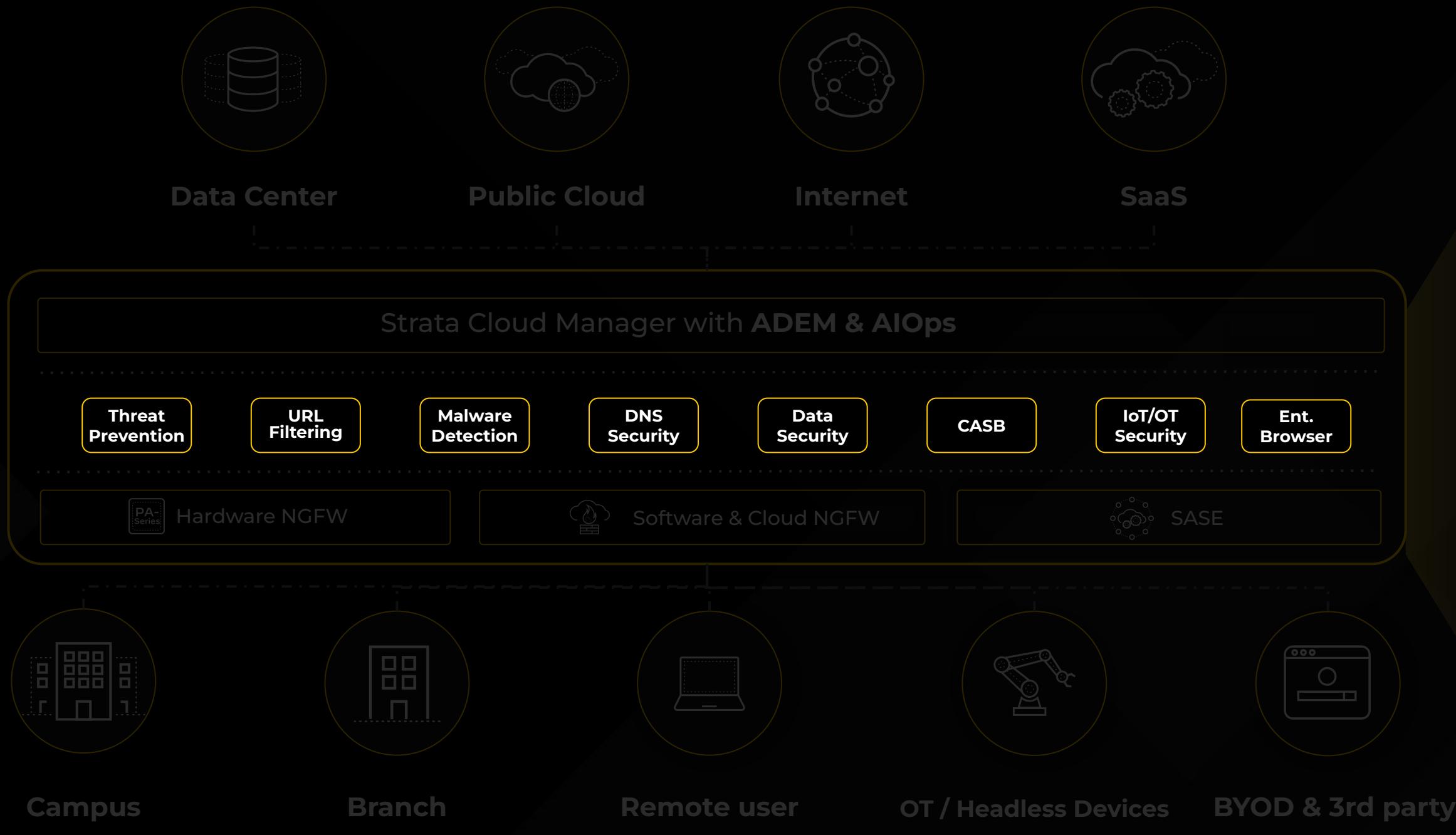
# Strata Network Security Platform is modular so you can choose your path to Zero Trust



## Zero Trust Principles

- 1 Identify all Users, Devices, Applications, Data
  - 2 Enforce least privilege policy
  - 3 Apply holistic security inspection
  - 4 Control data access & movement
- Contextual policies based on user, device, and apps
  - Connections allowed based on business needs.
  - Leverage dynamic access policies where possible.
  - Enable Decryption for complete user to application visibility.
  - Deny all other traffic by default.

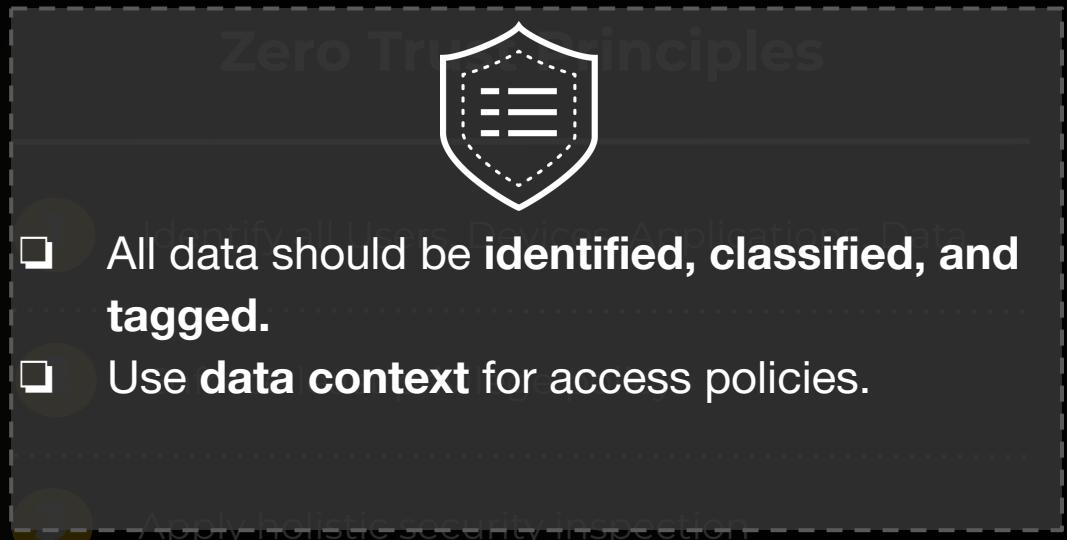
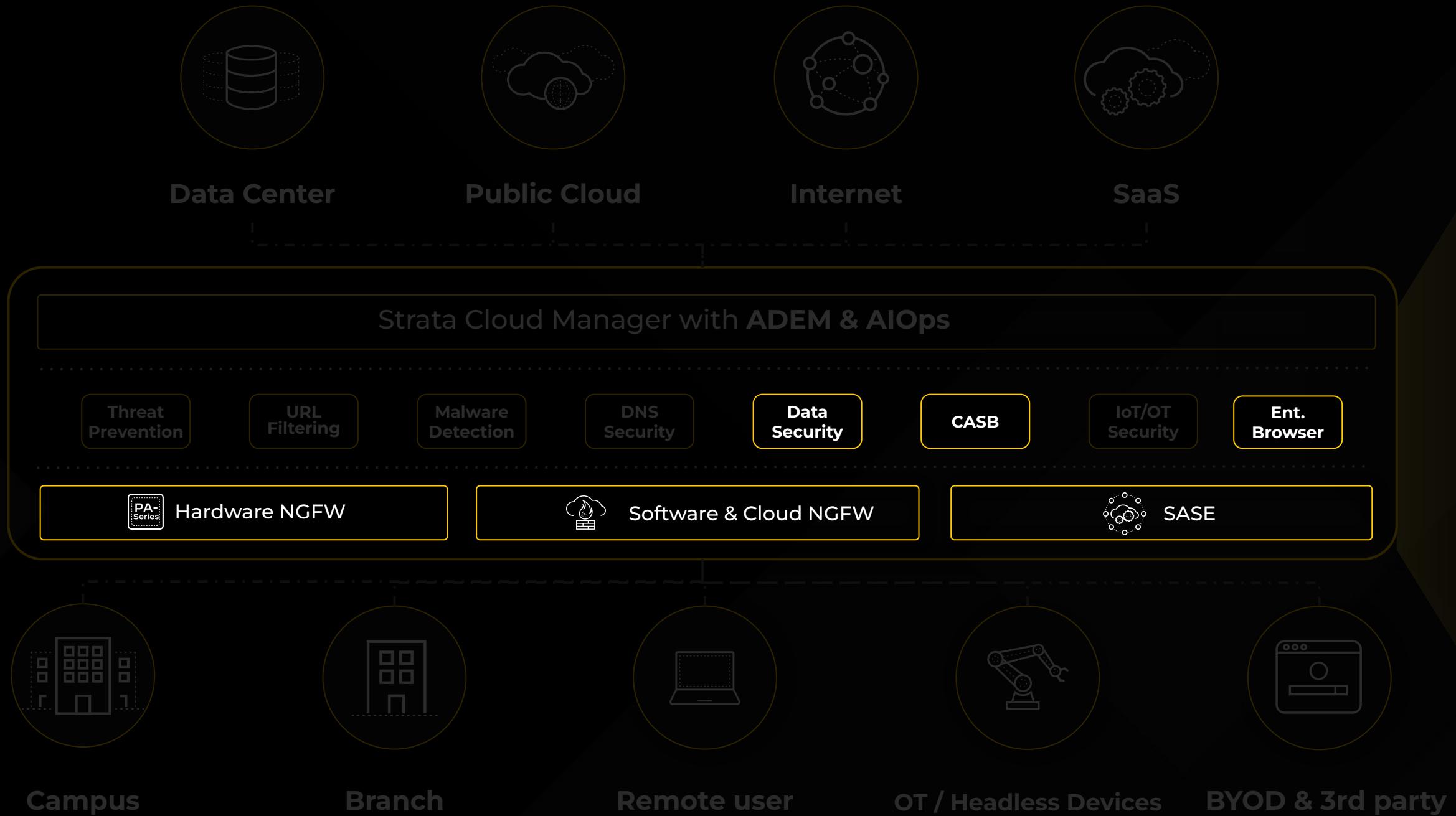
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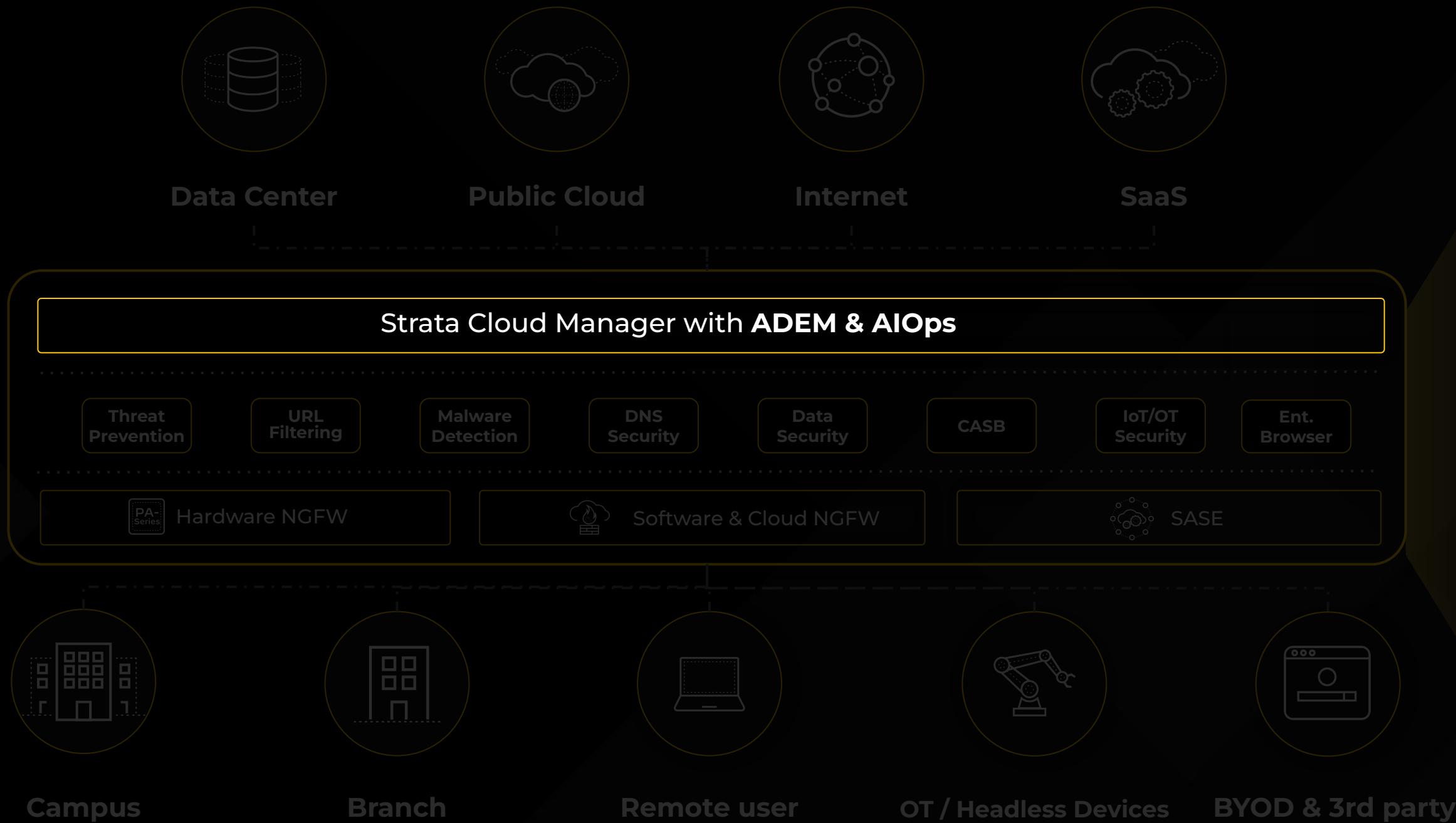
## Zero Trust Principles

- 1 Identify all Users, Devices, Applications, Data
  - 2 Enforce least privilege policy
  - 3 Apply holistic security inspection
- Control data access & movement
- Enhance User and Operator Experience
- Prevent as many attacks as possible by enabling all baseline security features.
  - Apply additional prevention by use case (IoT, SaaS, RBI, EB, etc...)
  - Enable Decryption to increase attack prevention capabilities.
  - Improve detection analytics with centralized logging.

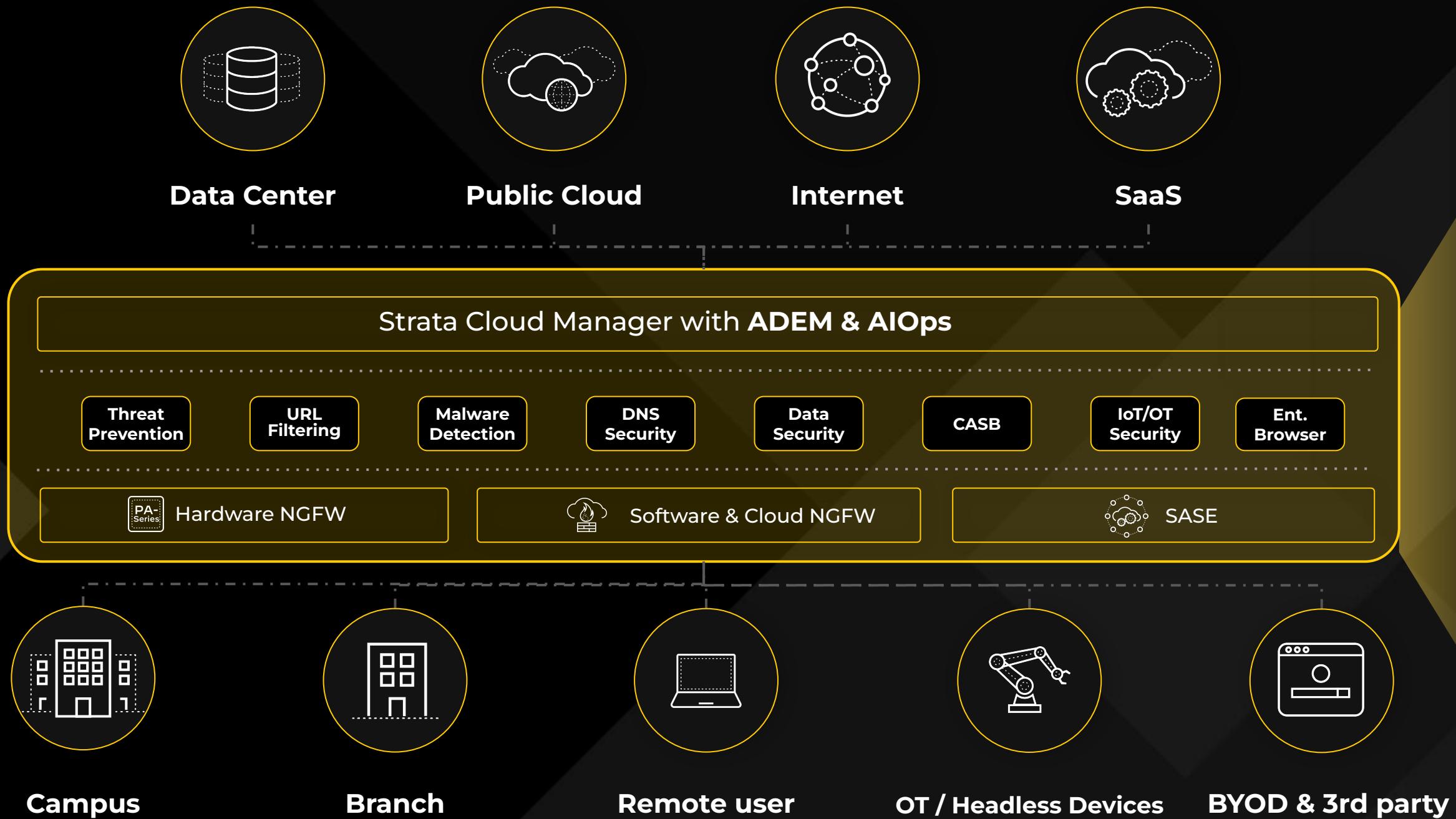
# Strata Network Security Platform is modular so you can choose your path to Zero Trust



# Strata Network Security Platform is modular so you can choose your path to Zero Trust

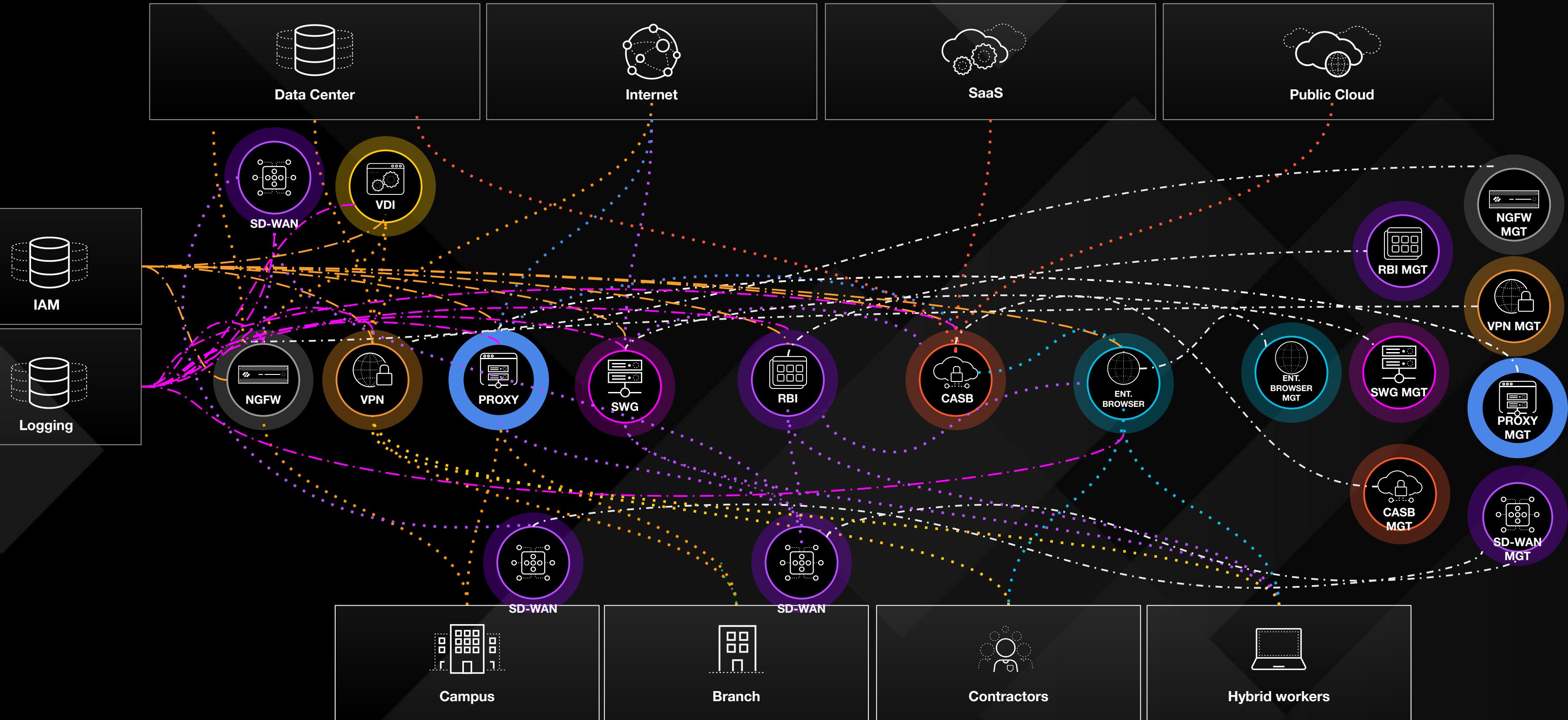


# Strata Network Security Platform is modular so you can choose your path to Zero Trust

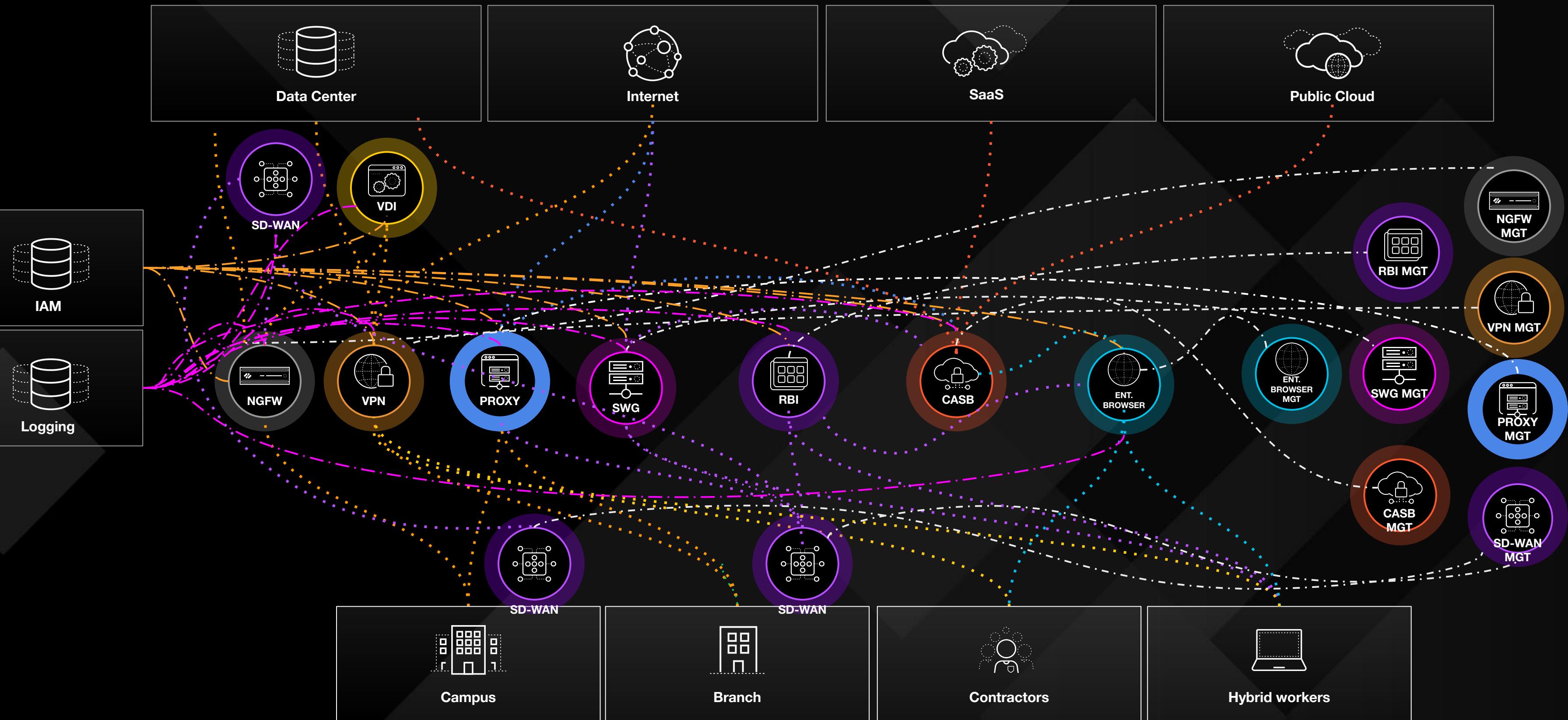


**A Sequence to introduce why PANW  
started this ZT Journey**

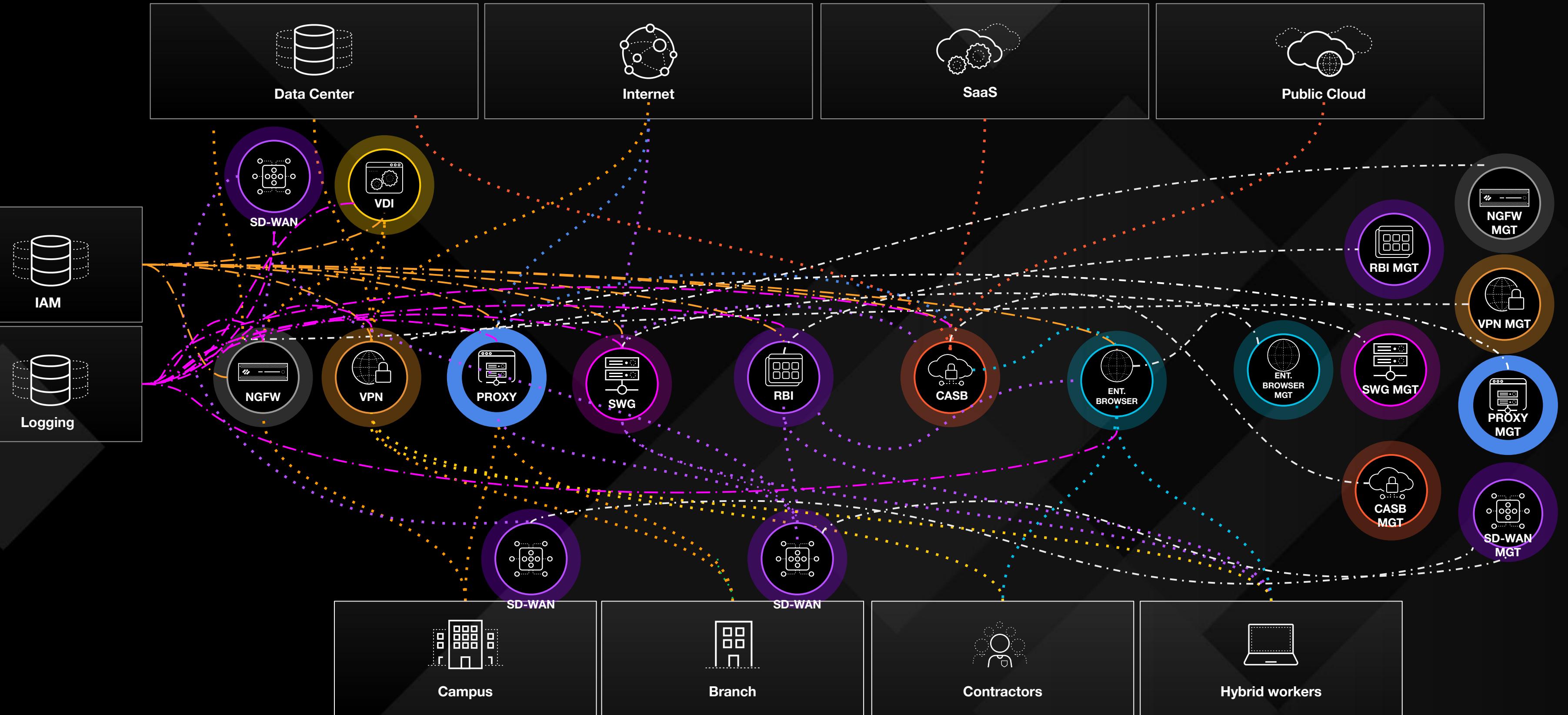
# Why did Palo Alto Networks Begin this Journey to Zero Trust?



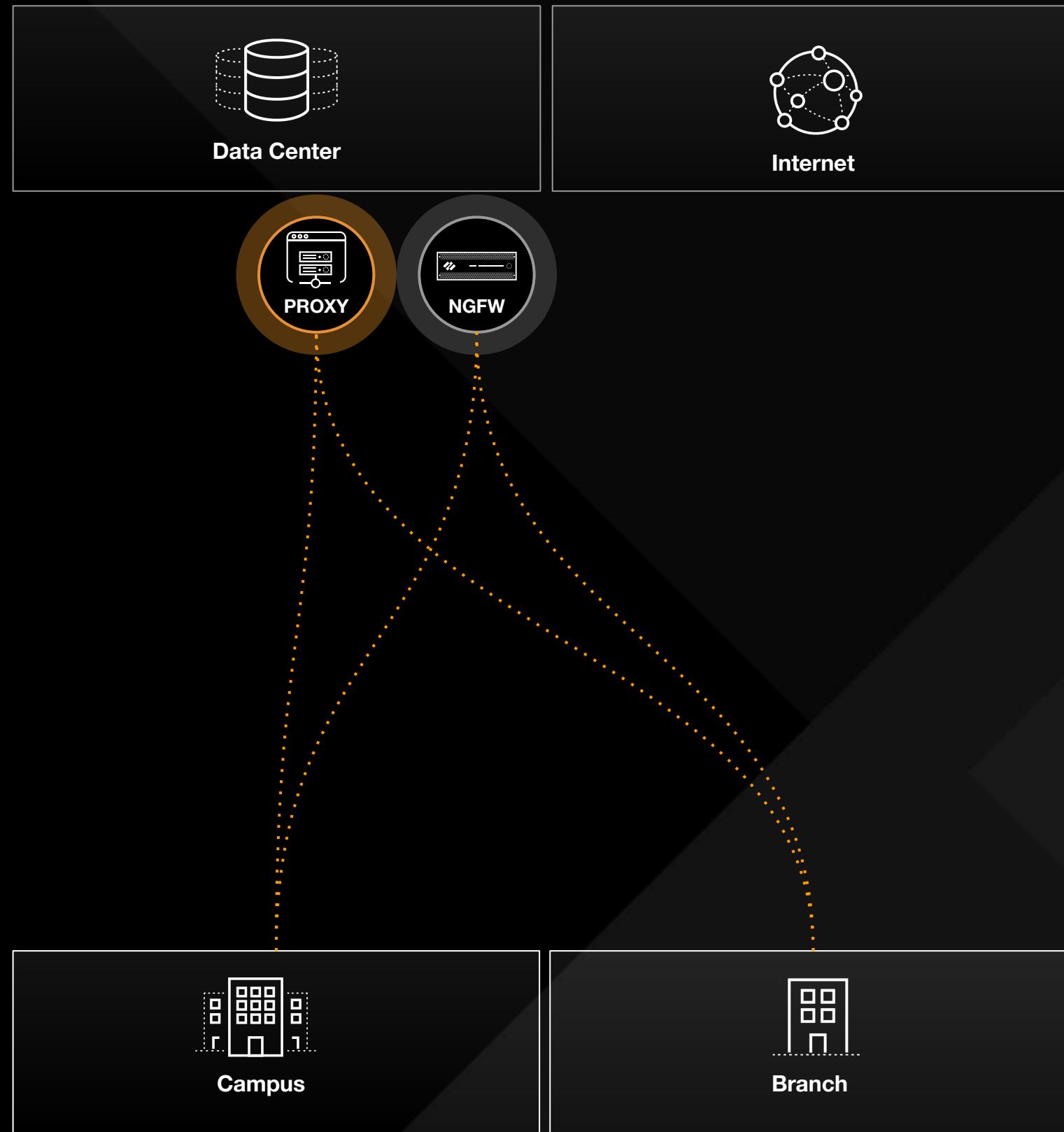
# Without A Platform Approach, Network Security was a Mess



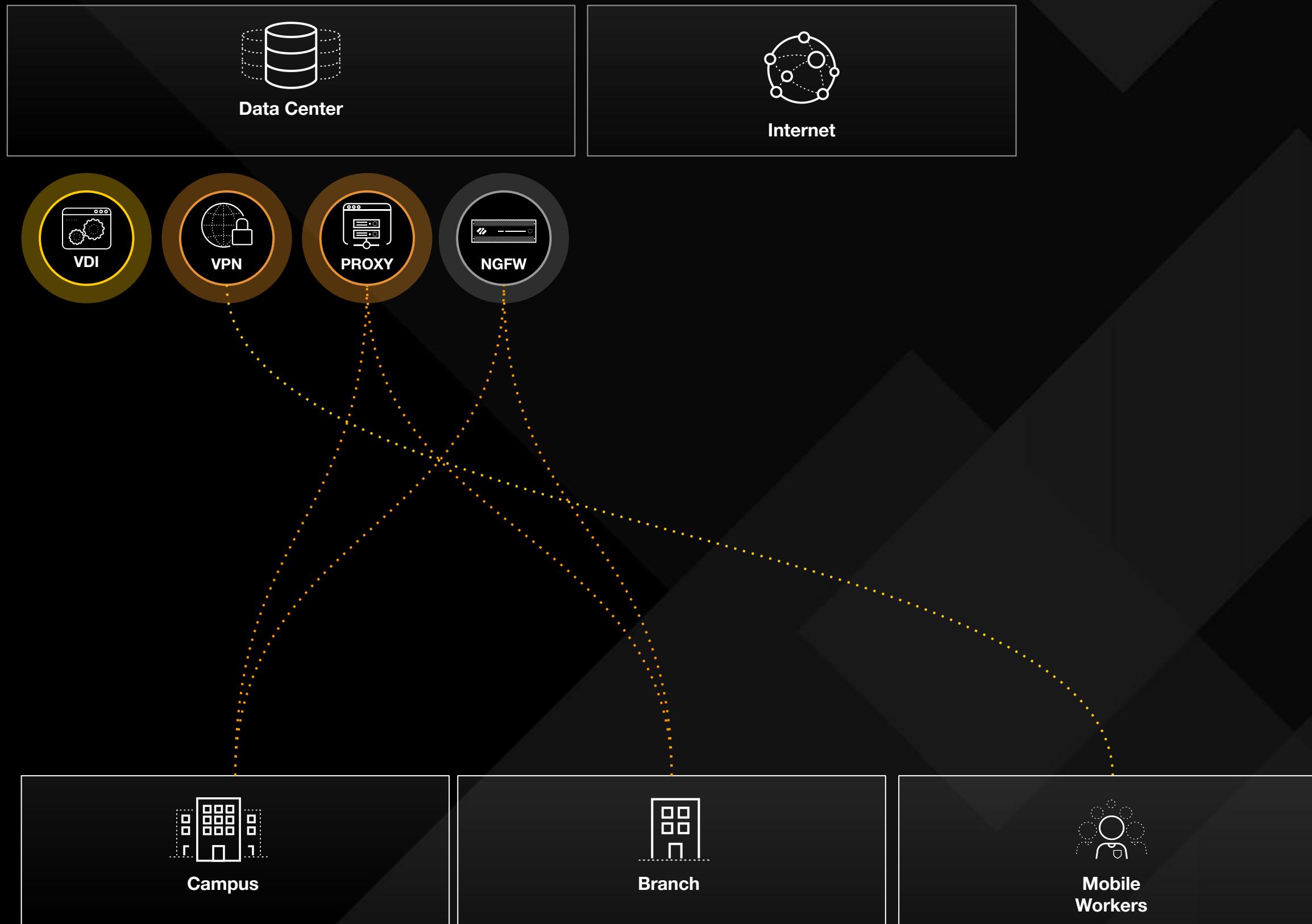
# How did we get here?



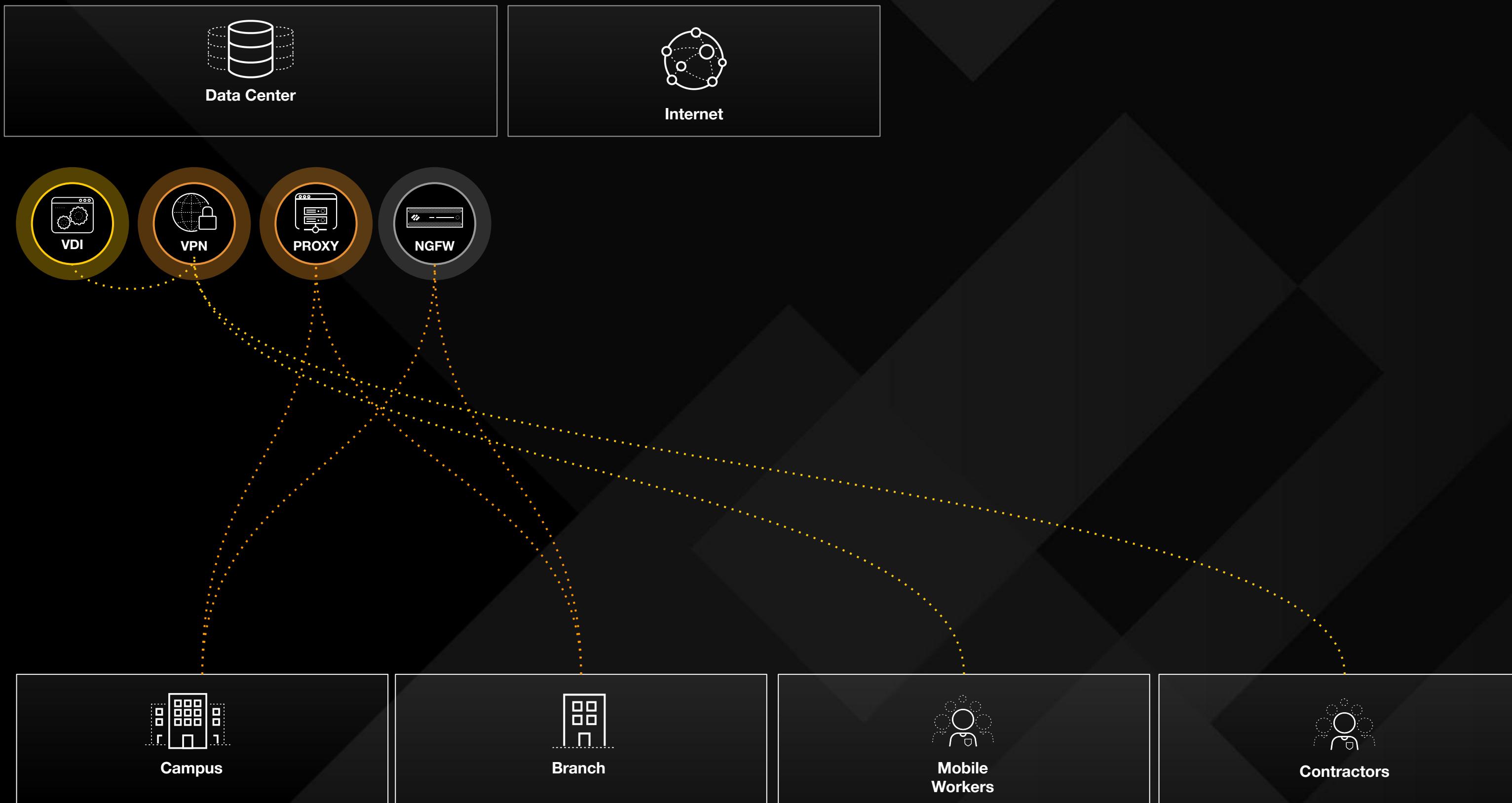
# In the past, employees worked from a central location...



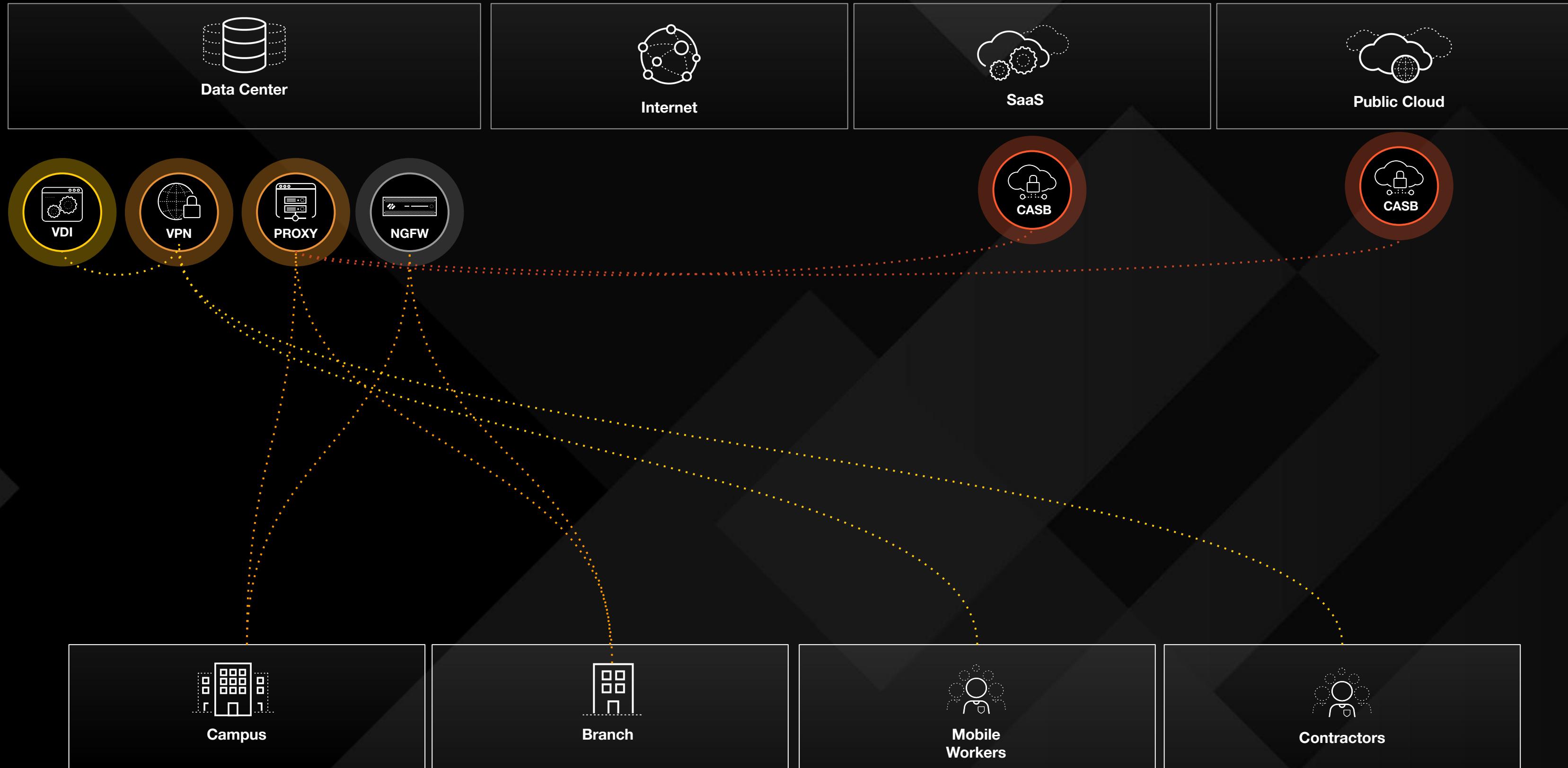
# ...then occasionally from a remote location



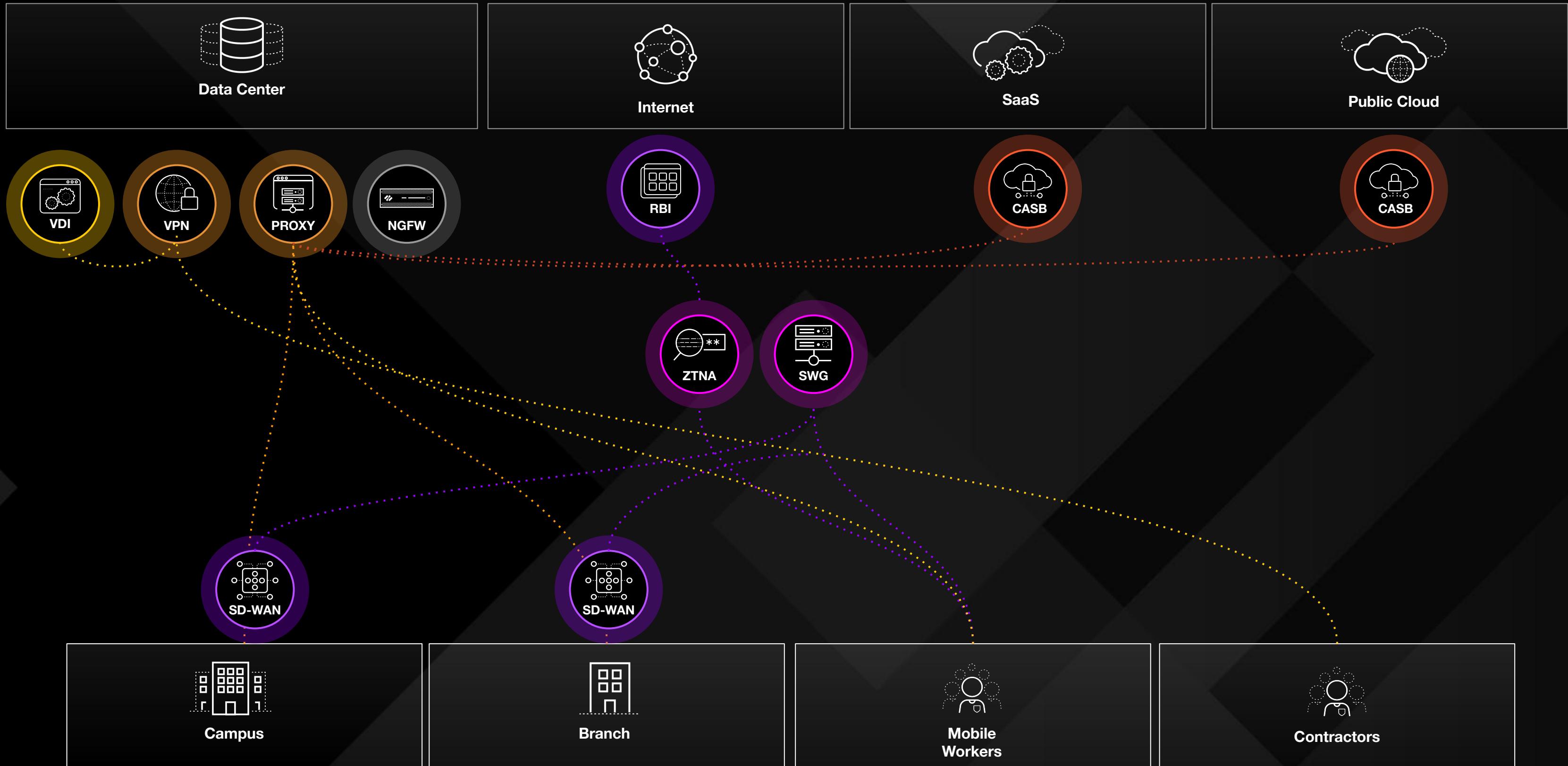
...and contractors needed access to corporate info via managed devices



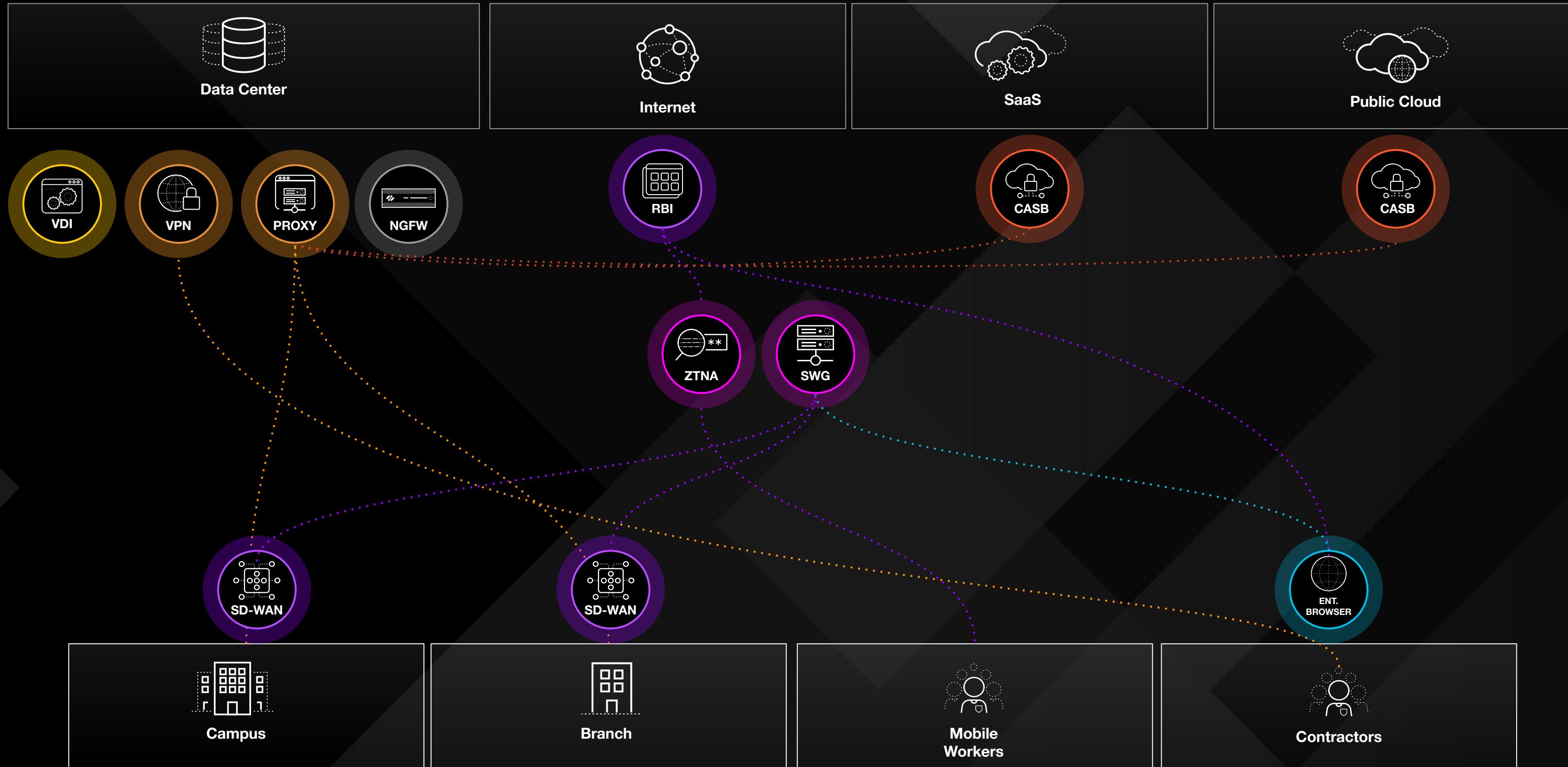
# SaaS apps and public cloud access secured through CASB



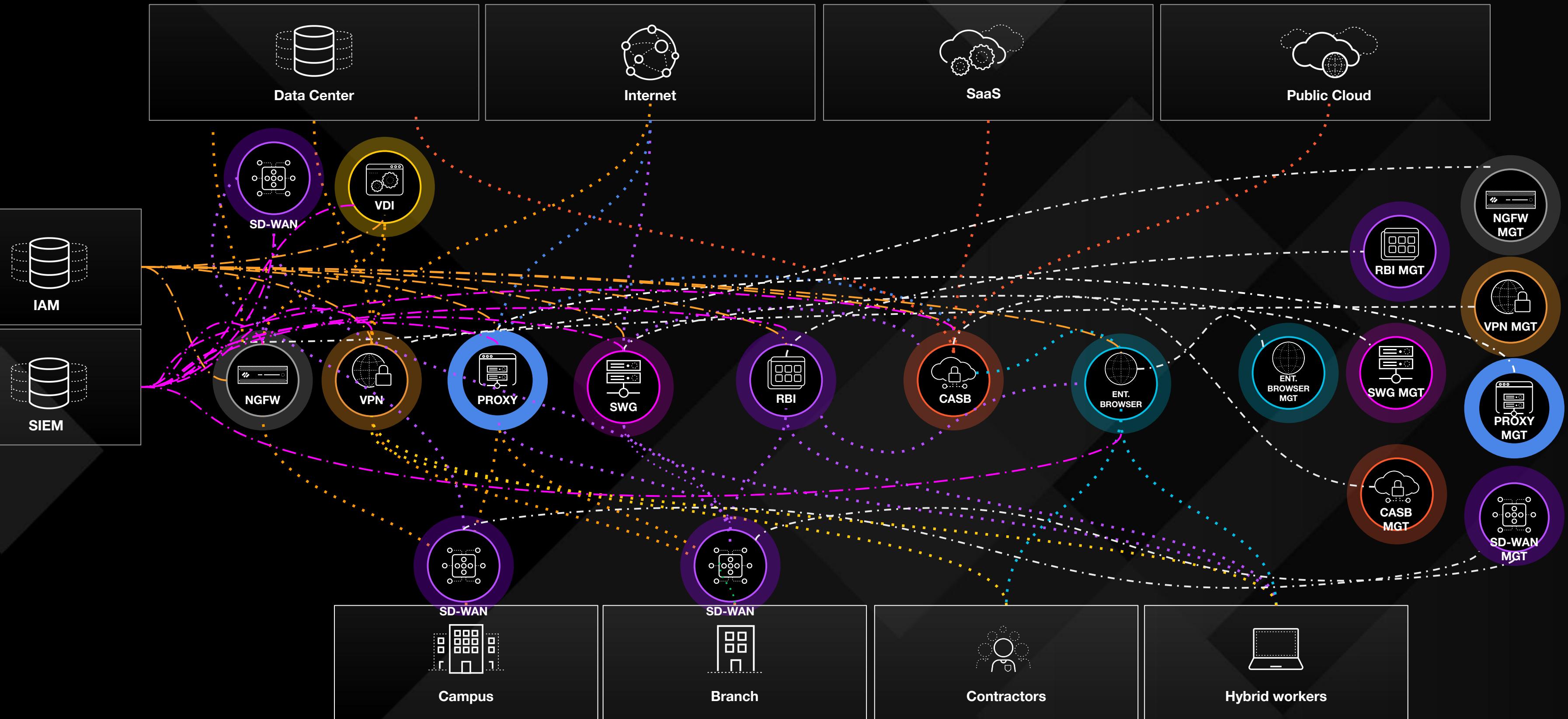
# Increasing hybrid work necessitated SASE



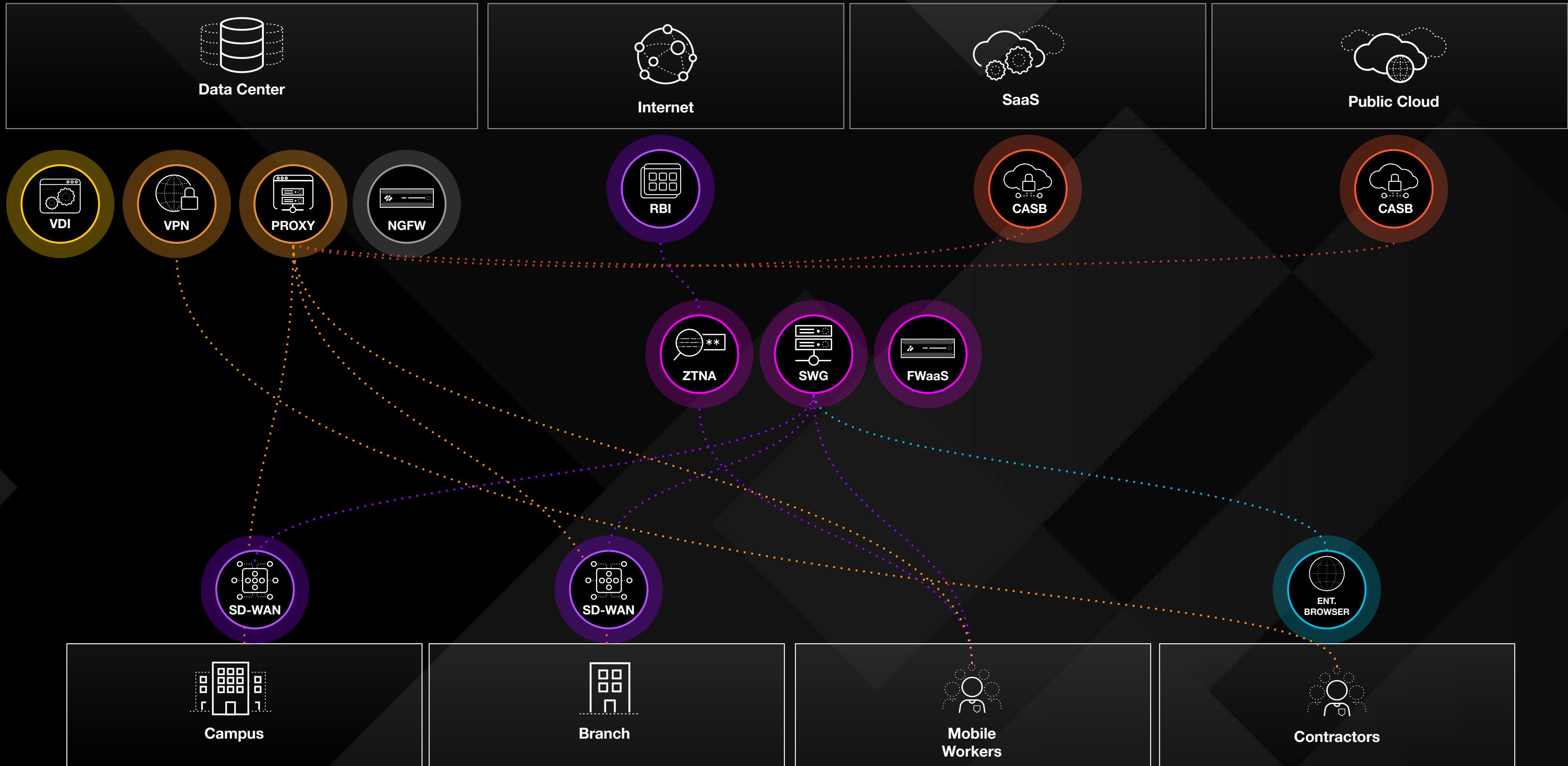
# Contractors and Unmanaged Devices secured through Enterprise Browser



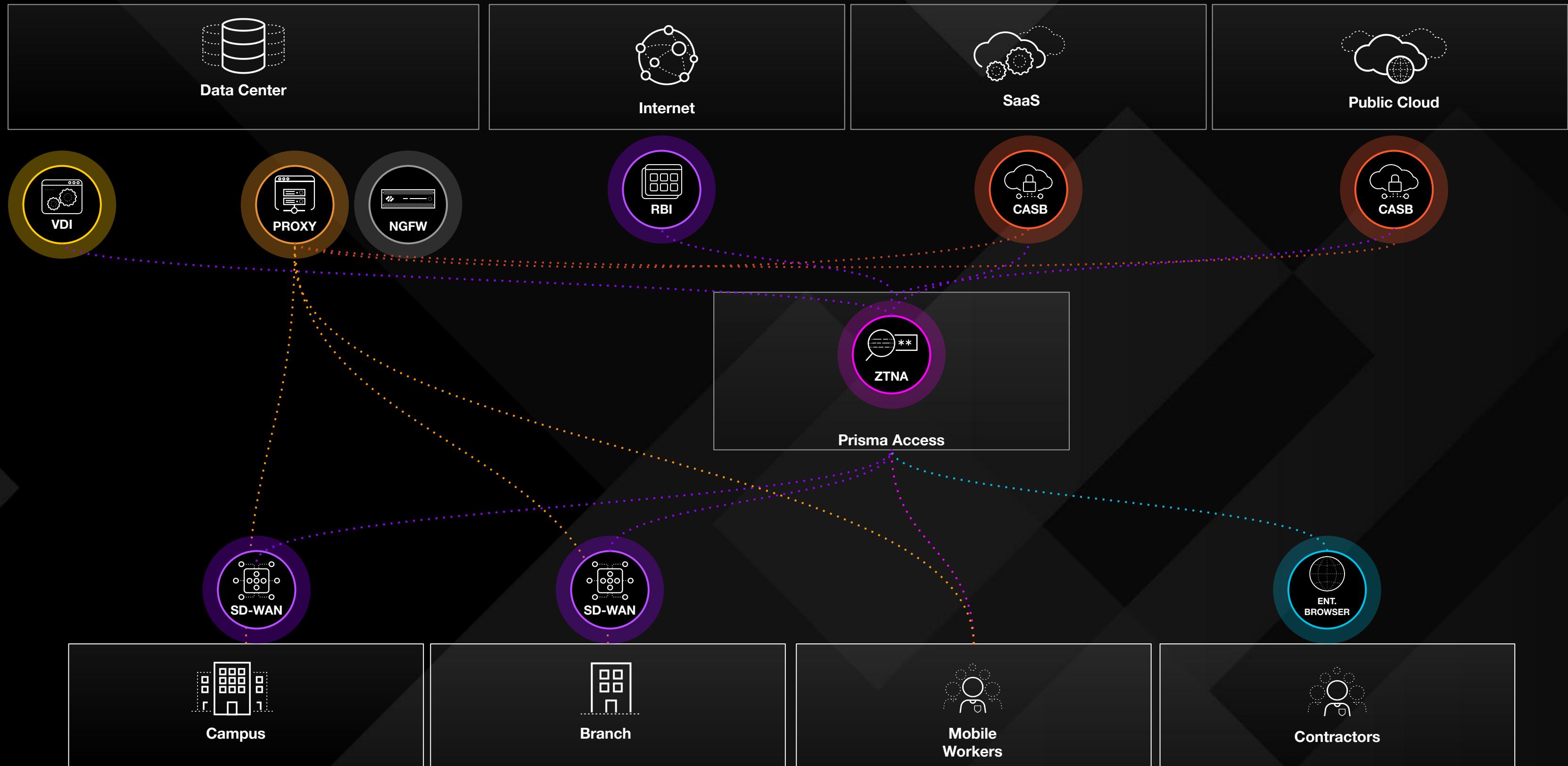
# Add in SIEM, Identity, Management... Don't forget overlapping functionality



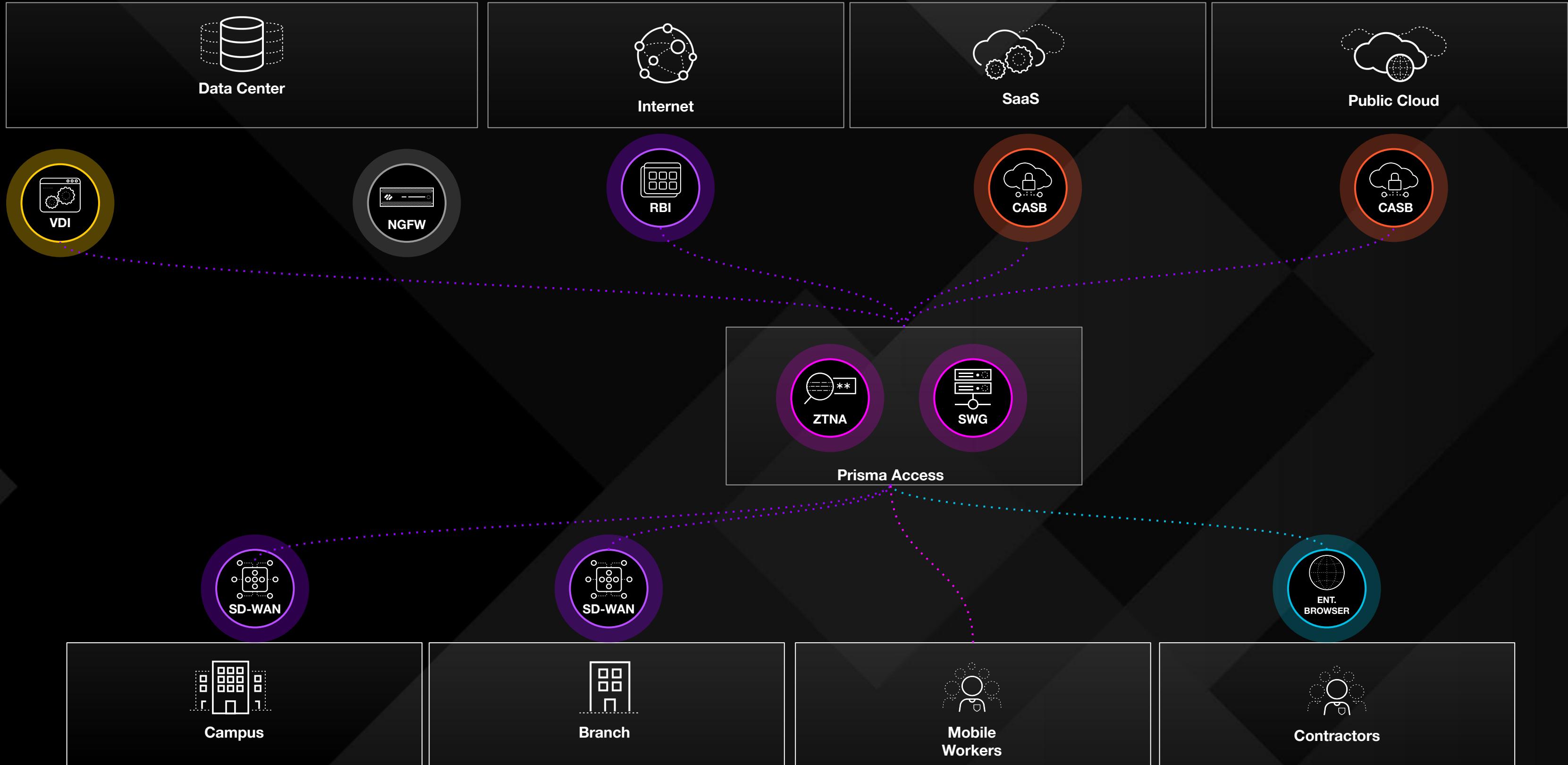
# A platform approach doesn't mean migrate everything at once



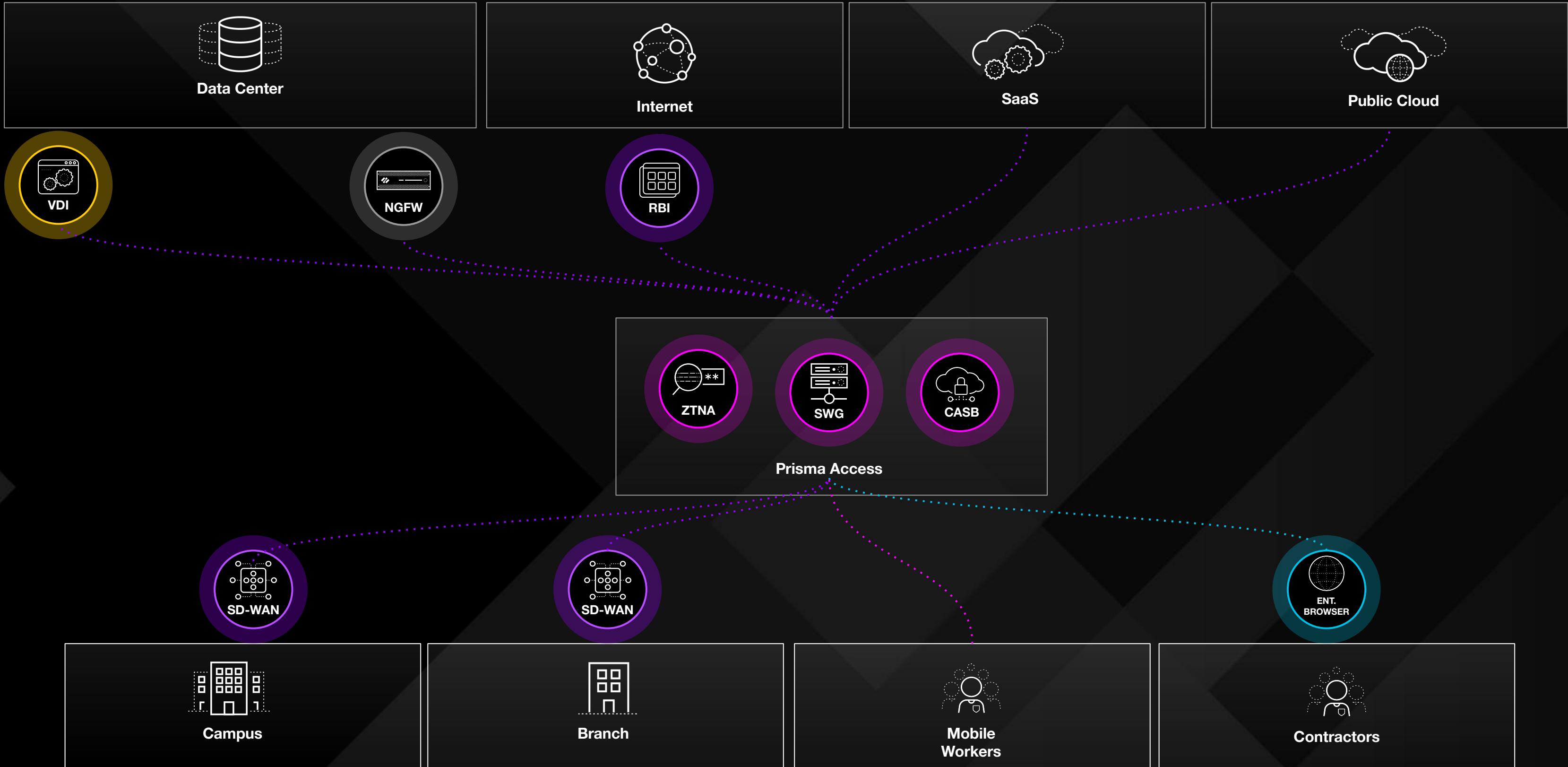
# Migrate User Traffic - VPN to ZTNA



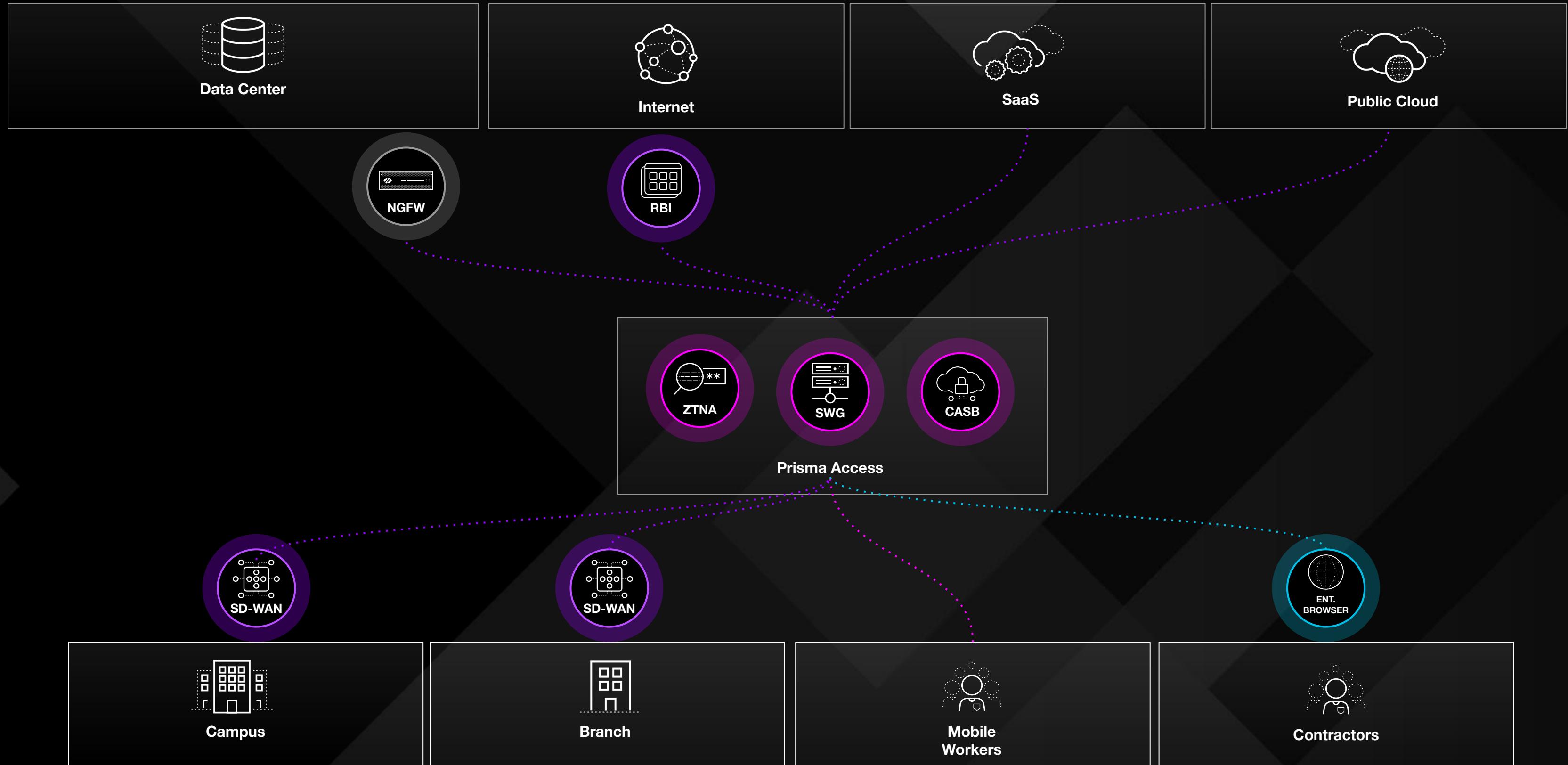
# Continue to Migrate User Traffic - Proxy to Cloud SWG/Proxy



# Leverage the Platform for CASB/DLP



# Enterprise Browser can reduce or replace VDI



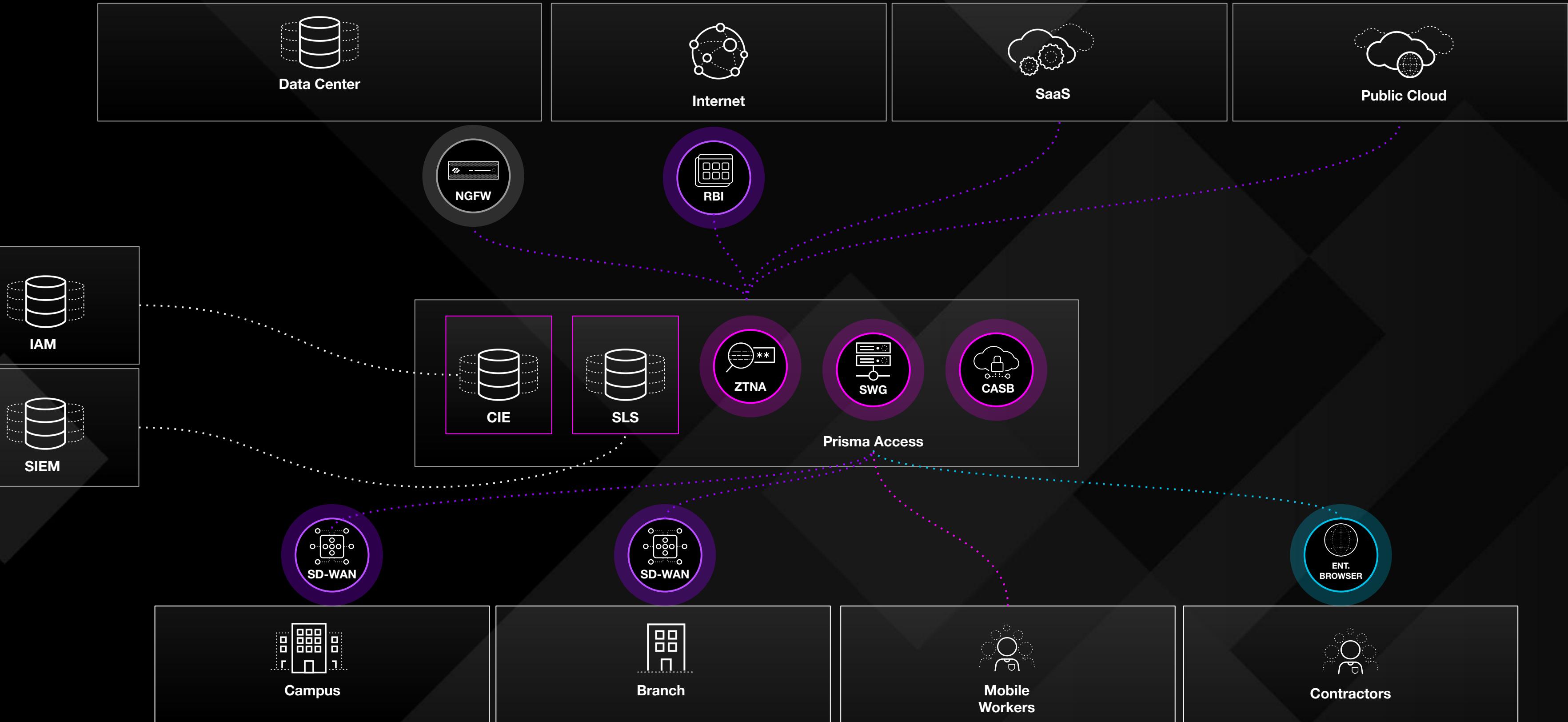
# The Platform includes centralized logging - Strata Logging Service



# ...and a Centralized Identity Engine



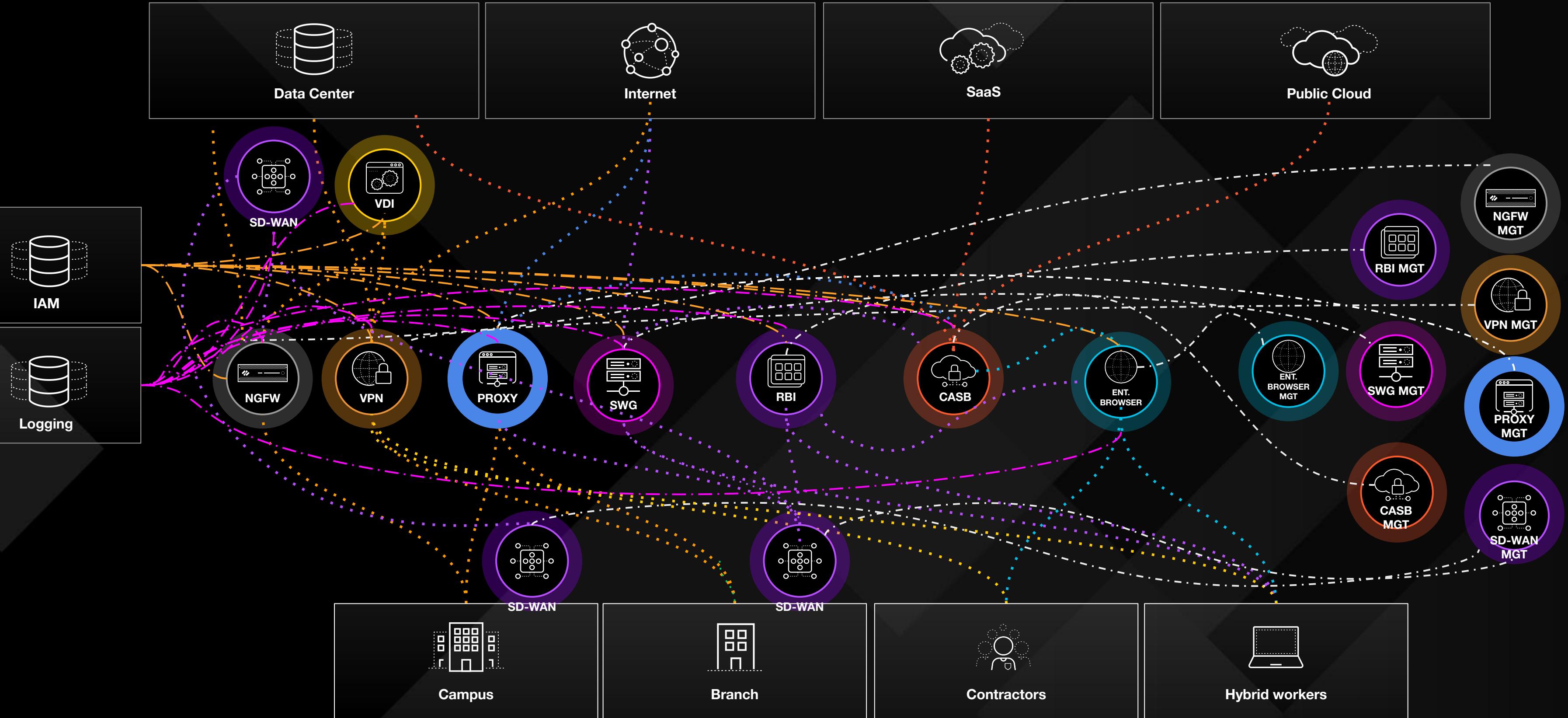
# Simplifying Identity and logging consumption



# Improve the SIEM and extend the Strata Platform with XSIAM



# Strata can Transform the Netsec Architecture from messy



# ...to Simple while improving Security Posture as part of a Zero Trust Journey

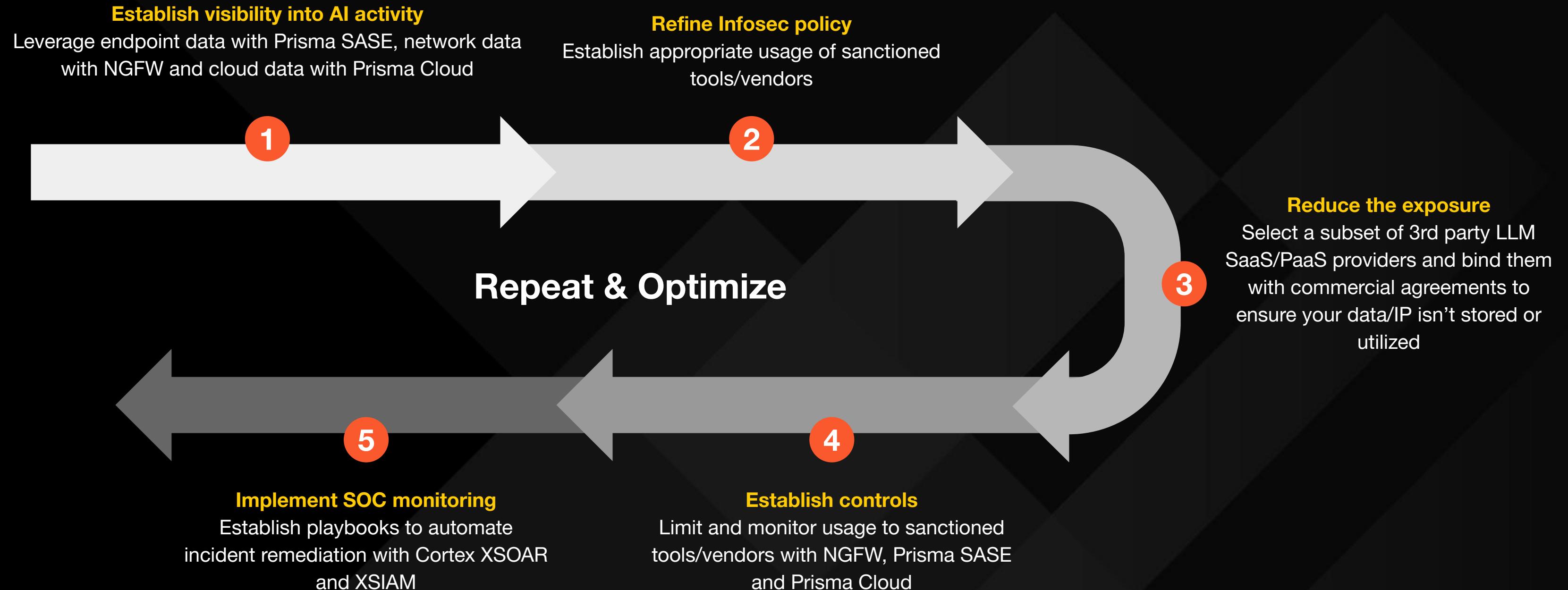




# **Enable the path to Zero Trust with Automation and AI**

# **Understanding and Securing AI Usage**

# Secure AI usage requires specific visibility and controls (should be iterative to reduce risk)



# Thank You

# APPENDIX

# SIMPLIFY SECURITY WITH BEST OF BREED PLATFORMS

Sub-Category	Network Security Platform
Firewall	
Intrusion Detection	
URL Filtering	
Sandbox Detection	
DNS Security	
IoT Security	
Data Loss Prevention	
Cloud Access Security Broker	
Posture and Health Management	
Remote Access for Users	
SWG	
SD-WAN	
<b>Network Security Platform</b>	
Sub-Category	Cloud Security Platform
Cloud Security Posture Management	
Cloud Workload Protection	
Identity & Access Management	
Code Security	
Web Application / API Security	
<b>Prisma Cloud</b>	
Sub-Category	Modern SOC Platform
Security Information & Event Management	
Endpoint + EDR	
NTA / UEBA	
SOAR	
Attack Surface Management	
<b>Cortex XSIAM</b>	