

# TODAY'S ATTACKS DESERVE BETTER

Stop using yesterday's strategies

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Security



# A Practitioners Journey...



**Den  
Jones**

**Director of Enterprise  
Security**

**Project ZEN  
(2018)**

*7 months  
40k+ users  
50k+ devices  
1300+ applications*

**Sr. Director of Enterprise  
Security**

**Zero Trust Initiative  
(2020)**

*5 months  
100k+ users  
100k+ devices  
100+ applications*

**Chief Security Officer**

**Zero Trust Evangelists**

*Helping you achieve  
zero trust remote access*

# AGENDA

Threat landscape

Strategies that failed us

Strategies that work

Get IT Started & Get IT Done!

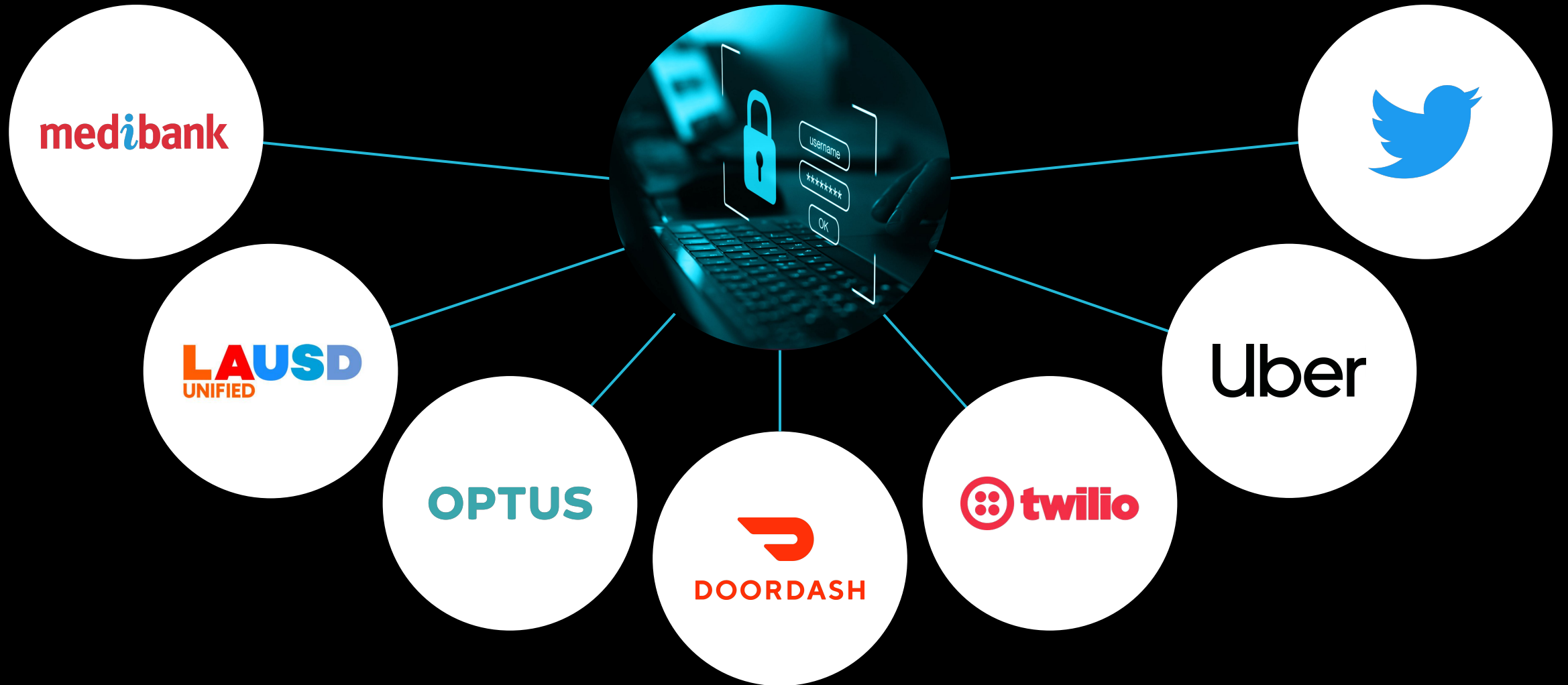


# AGENDA

| Threat landscape



# We're all under attack!



Source: [www.SecurityMagazine.com](http://www.SecurityMagazine.com)

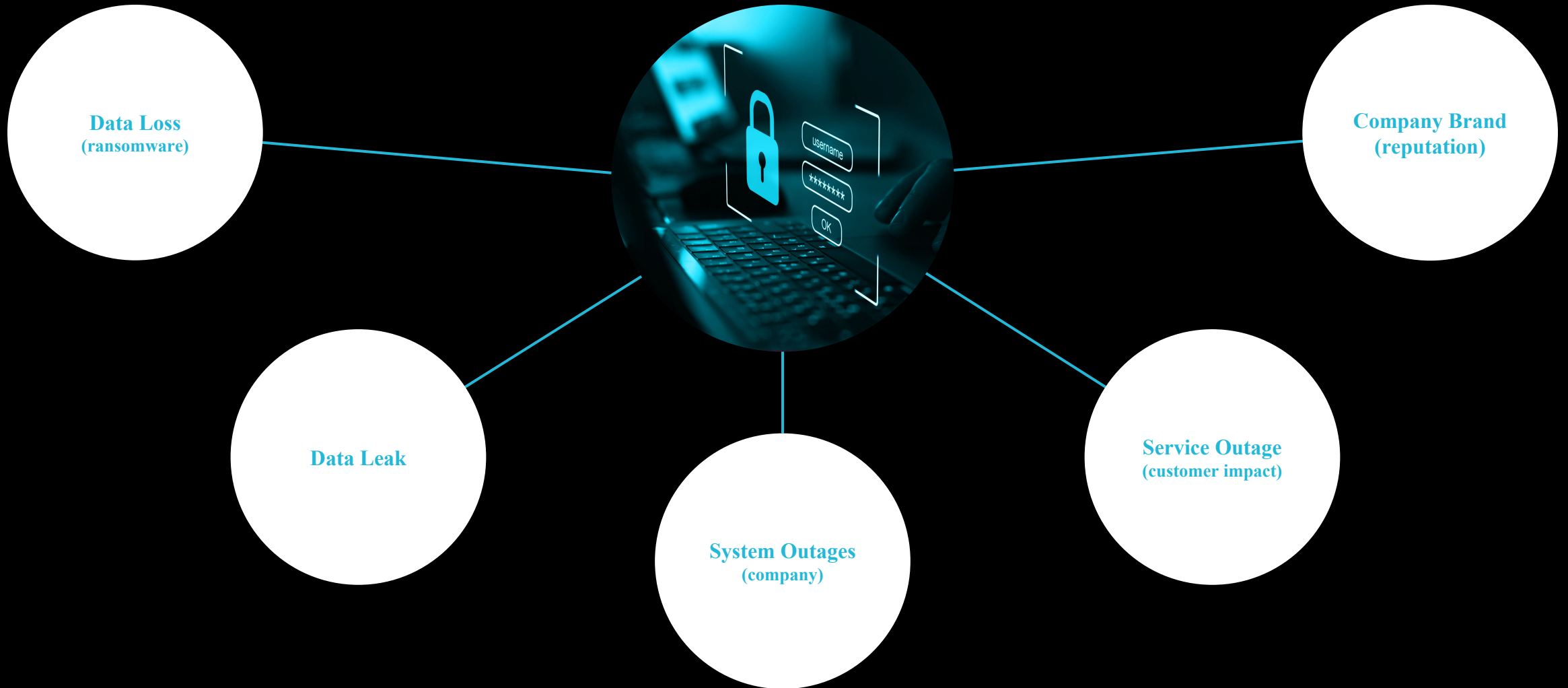
# Themes – Attack Vectors



# Themes – Outcomes



# Themes – Impact: CIA



CIA: Confidentiality, Integrity & Availability



# Themes – Impact: Cost



# AGENDA

Strategies that failed us



# Epic fail...or just too costly?

## Security training

*Social engineering is too good, employees are human*

## MFA

*Passwords and MFA are no longer enough, fatigued yet?*

## Network Security

*Costly and complex, users exist less on your network, choke points are flawed*

## Least Privileged?

*So many of the attacks leverage access users needed to perform their role*

# AGENDA

Strategies that work



# Defense in Depth

Still cover the basics: Least Privileged, Training, Network Security – but add some easy wizzbang!

That's what we did at Adobe and Cisco!



**Replaced Passwords with Certificates**



**Established Security Intelligence**



**Device Registration**



**Device Posture & Integrated Security**



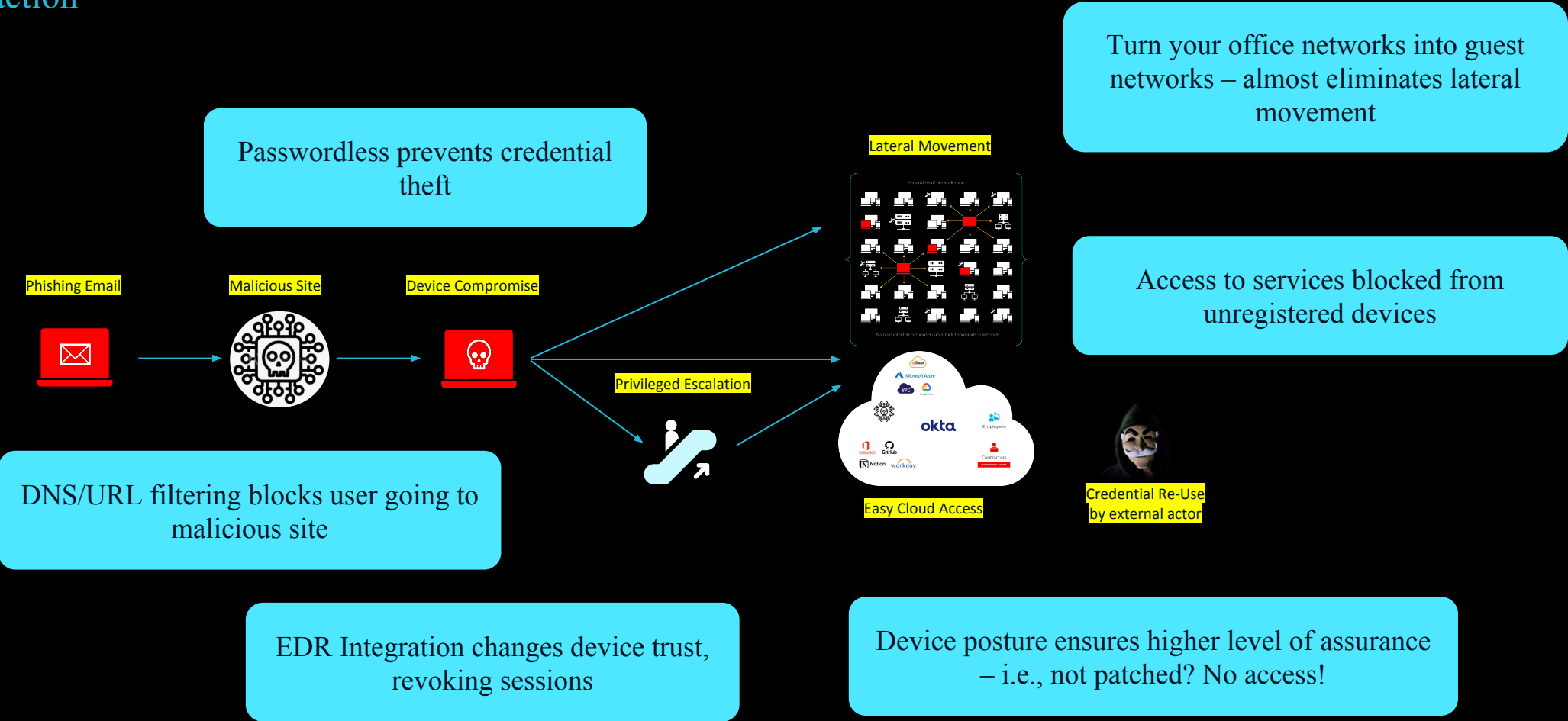
**No more VPN**



**Simplified User Experience**

# Defense in Depth

Example in action



# AGENDA

Get IT Started & Get IT Done!



# Getting Started



**Move to Passwordless**



**Devise your Strategy**



**Security Service Edge / ZTNA**



**Move to Integrated Device Security**



**Gain Executive Support**

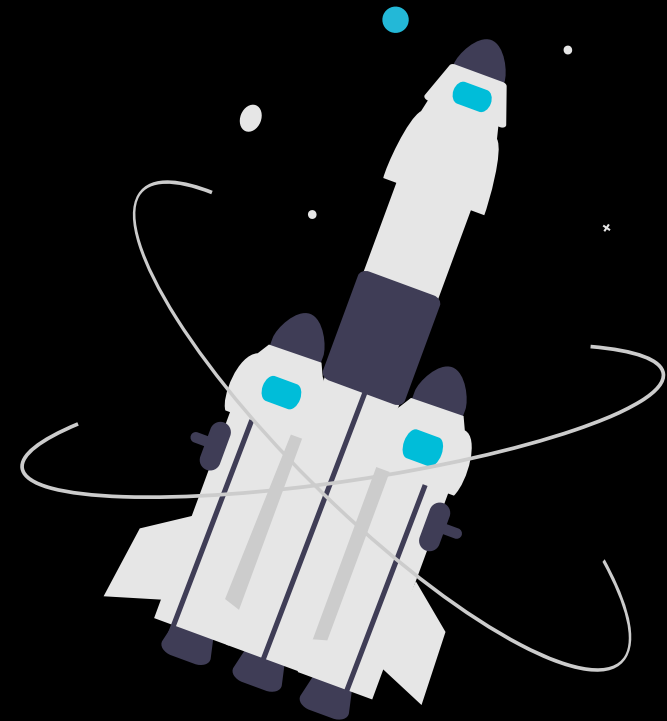


**The People & Culture Journey**



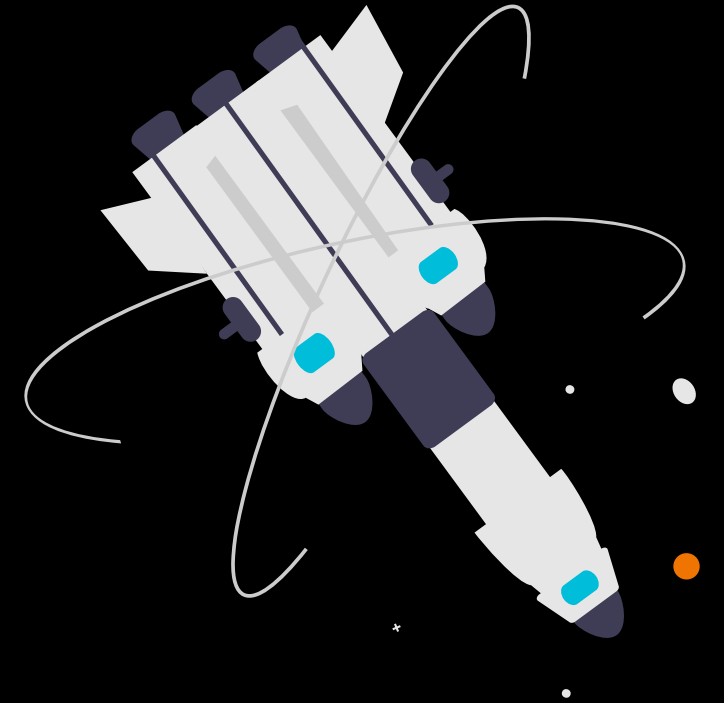
# Steps to Success

- 1 Sell the vision, people, process, and technology
- 2 Balance old strategies with new ones supporting a remote, modern workforce
- 3 Keep it simple, maximize your investments
- 4 Leverage existing investments
- 5 Start by integrating with your existing authentication platform
- 6 Short sprints and quick wins



# Things to Avoid

- 1 Confusing people with marketing terms
- 2 Thinking that a single vendor can do it all
- 3 Trying to sell a long-term program
- 4 Asking for trillions and billions
- 5 Forgetting the importance of education/communication



# Lessons Learned

- 1 Your VPN team will not love your project
- 2 Network security purists will challenge you
- 3 MFA isn't enough, combine user and device identity
- 4 Complex network segmentation & VPN rules have failed us
- 5 It's easier than we thought to integrate device posture and security



# Shameless Commerce Slide



**We work at Banyan Security**



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**Banyan Security enables your Zero Trust and SSE journey**



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# World's **Easiest** Security

## Service Edge

### Easiest to Deploy

- Cloud Command Center
- Guided Configurations
- Headless Connectors
- Discover and Publish
- Human-readable Policies
- Terraform Automation
- Seamless Integrations
- Incremental Deployments



### Easiest to Use

- All-in-one SSE Client
- Zero-Touch Client Deployment
- Passwordless, One-click Access
- Service Catalog
- Automatic Service Tunnels
- IT-less Remediation
- Multi-organization Support
- Unmanaged Device Support

# Contact Me



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**[Book an Office Hour with Den](#)**





# Get IT **Started.** Get IT **Done.**

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# Thank you

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# Appendix

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# What did we deliver?

Improving security as we make it more of a background capability



- **Certificates replacing passwords**
- **No more broad internal network access from the internet**
- **Enforce device security posture & a path to SSE**
- **Ability to eliminate lateral movement**

# What did we deliver?

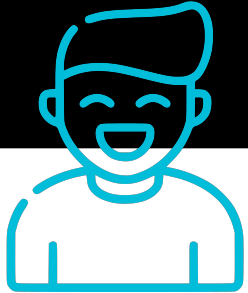
Access internal applications and services without using legacy VPN



- **Publish applications and services to the internet**
- **Users don't connect to your network via VPN, exposing your internal network and thousands of devices**
- **Reducing cost of ownership, no IP tables to manage**

# What did we deliver?

Improving Employee Experience: Happy employees are directly tied to profit



- **No more username and password during login**
- **No more 90-day password changes**
- **No logging into VPN or being confused when you need to**

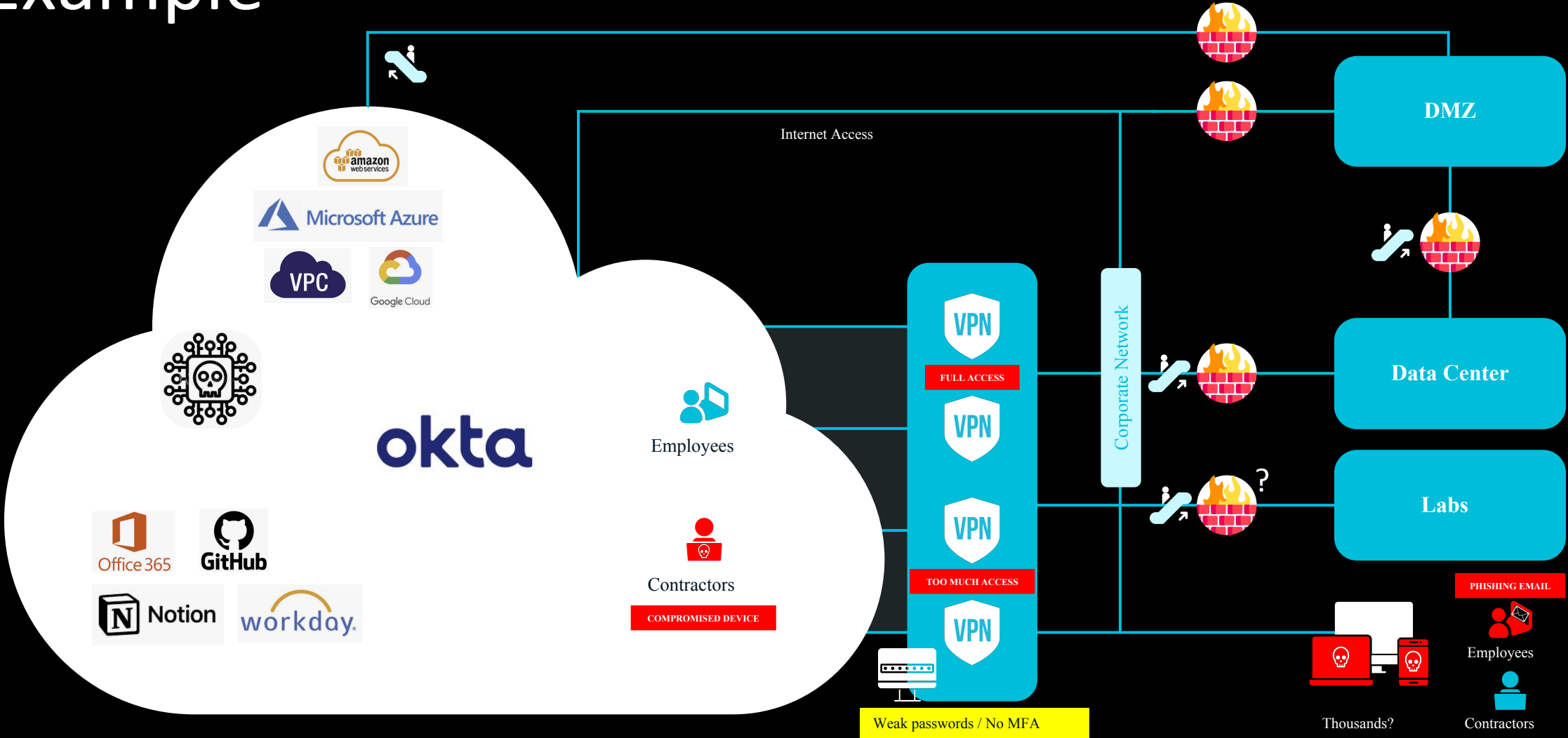
# What did we deliver?

Enabling Business Strategies



- **Turn your office network into a guest network**
- **Seamless M&As**
- **Immediate modern remote workforce**

# Example



? - Some labs may have no firewall

# Example

