

Journey to Zero Trust
Architecture with Zscaler



DiGiForces

PROTECT.. INNOVATE.. THRIVE..

www.digiforces.ca

Version 1.2

AGENDA



- What is Zero Trust ?
- DiGiForces Advantage & Delivery Process
- More about Zscaler Zero Trust Exchange
- Zero Trust Exchange Preventing Cyber Attacks
- Layered Defence Implementation For End Users
- Generic Maturity Curve
- Implementing Data Protection using Zscaler Trust Exchange
- Journey to Implement Zero Trust Strategy with Zscaler

WHAT IS ZERO TRUST ?



- ✓ It's a Security Strategy
- ✓ It means that we should not have implicit trust any device or user
- ✓ Follow “Never Trust, Always Verify” for every transaction
- ✓ It cannot be delivered by deploying a tool or technology, or a series of point products

7 Pillars of Zero Trust

1. Users
2. Devices
3. Network & Environment
4. Application & Workload
5. Data
6. Automation & Orchestration
7. Visibility and Analytics

In terms of Zscaler

1. Who is connecting ?
2. What is the access context ?
3. Where is the connection going ?
4. Assess security risk
5. Prevent Compromise
6. Prevent Data Loss
7. Enforce Policy

DIGIFORCES ADVANTAGE



- ✓ Expertise in Zscaler deployments for companies all size
- ✓ The team members are certified deployment specialist for Zscaler products
- ✓ We have developed our own inhouse tools and best practices which expedites customer onboarding

ACCELERATORS & TOOLS 2024

LANDING ZONE

Initial Tenant Setup

Empower your business to soar with using our tools and automation to deploy zscaler landing zones in a flash, keeping your workforce secure at lightning speed..

01

SWIPE >

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BEST PRACTICES

Based On Industry

Our team has designed reusable patterns and adheres to industry best practices to turbocharge your organization's tools, accelerating the deployment and adoption of Zscaler..

02

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MERGERS & ACQUISITIONS

03

Seamless & Secure M&A

Ensuring the security of mergers and acquisitions is as crucial as finalizing the agreement. With Zscaler, we leverage our accelerators and tools for a safe and seamless merger and acquisition process.

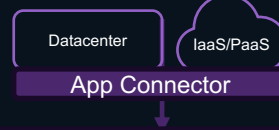
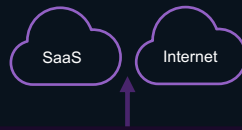
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DIGIFORCES DELIVERY PROCESS



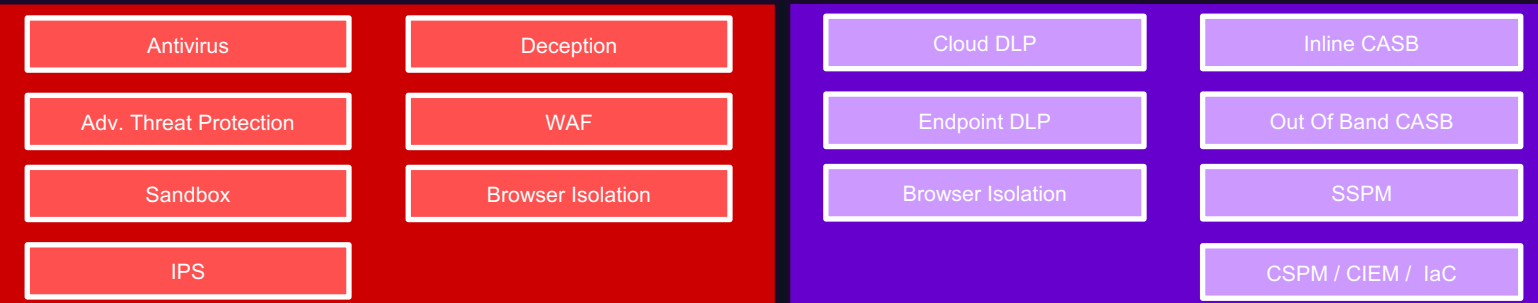
ZSCALER ZERO TRUST EXCHANGE



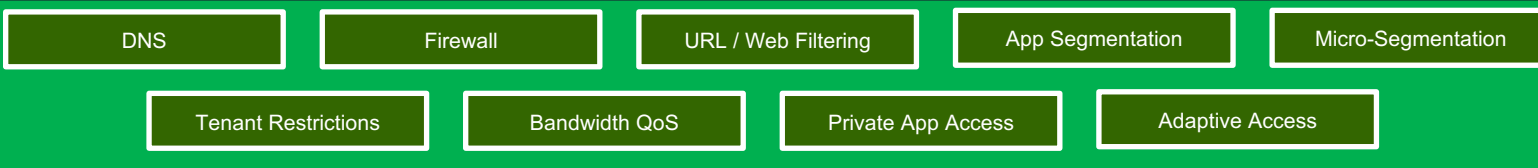
Digital Experience



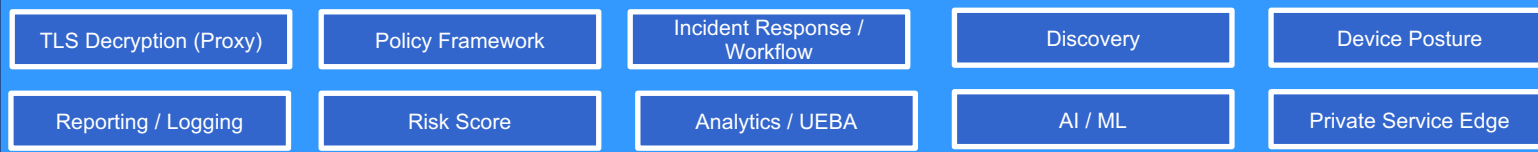
Security Services



Access Control Services



Platform Services



Connectivity Services



Zero Trust Exchange

ZERO TRUST EXCHANGE PREVENTING CYBER ATTACKS



Reduce
Attack
Surface

- ✓ Implement Privileged Remote Access (PRA)
- ✓ Implement Private Access to Application (ZPA)

Stop Initial
Compromise

- ✓ Implement Secure Web GW
- ✓ Implement Advanced Threat Prevention
- ✓ Implement Cloud Sandbox
- ✓ Implement Cloud Firewall / IPS

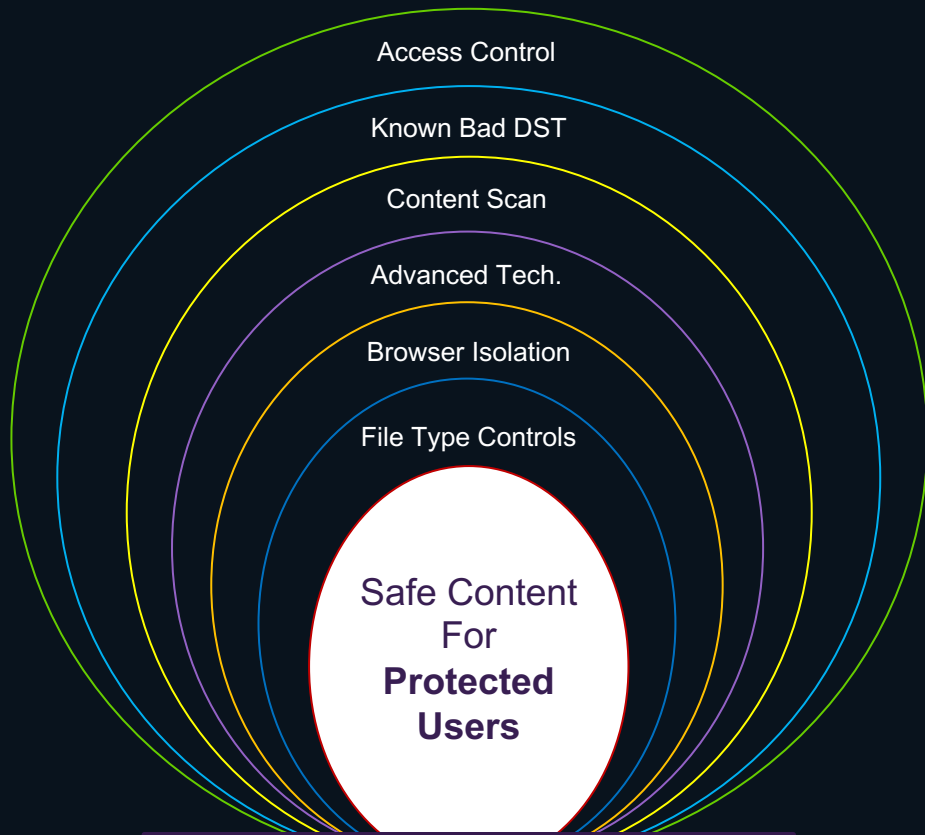
Stop Lateral
Movement

- ✓ Implement Deception
- ✓ Implement Policy Segmentation with ZPA

Prevent Data
Loss

- ✓ Implement Cloud Sandbox
- ✓ Implement Secure Web GW
- ✓ Implement Browser Isolation
- ✓ Implement DLP (Data in Motion & Rest, Endpoint)

Continuous Tuning Of Policies and Processes



IMPLEMENT LAYERED DEFENSE

Access Control

- ✓ Deploy policies defined by persona's

Known Bad Destinations

- ✓ Restrict access to known bad destinations

Content Scan

- ✓ Implement SSL Inspection for the traffic
- ✓ Our target is at least 90%

Advanced Techniques

- ✓ Enable botnet protection, block malicious ActiveX , browsers, command and control server traffic

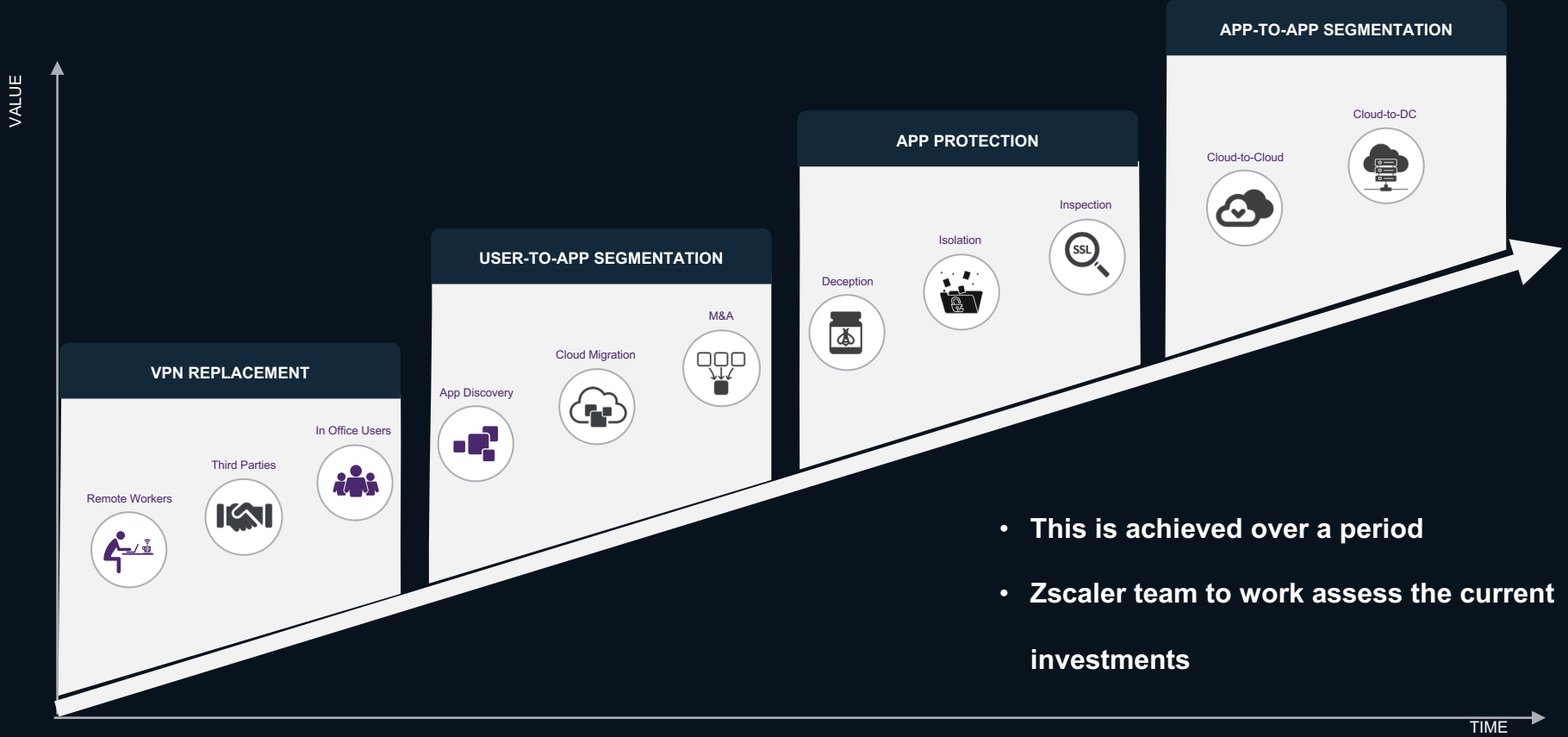
Browser Isolation

- ✓ Leverage this for uncategorised sites
- ✓ Leverage for data protection

File Type Control

- ✓ Leverage this today for Malware / Virus Analysis

MATURITY CURVE



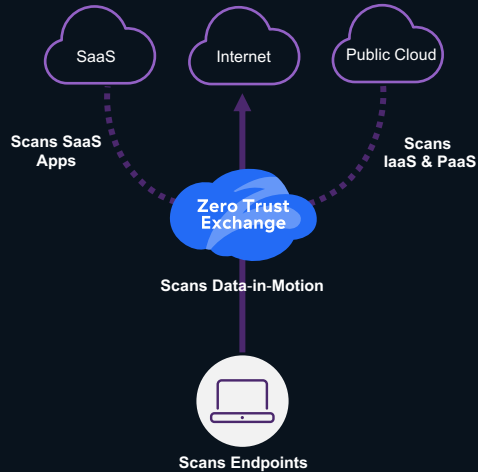
- This is achieved over a period
- Zscaler team to work assess the current investments

ZSCALER UNIFIED DATA PROTECTION



AI-Powered Discovery & Classification

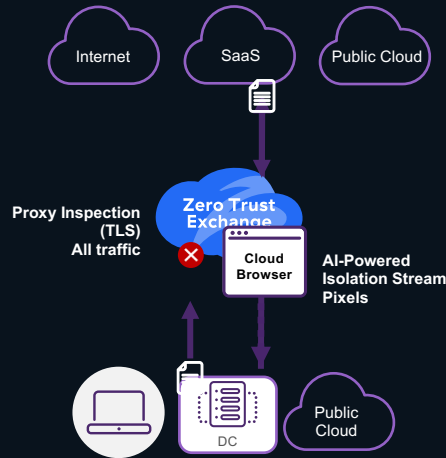
Sensitive data & risky apps?



Discover Shadow IT & Risky Apps
Discover Data In-Motion & At-Rest
AI-Powered Auto Classification

Secure Data-in-Motion

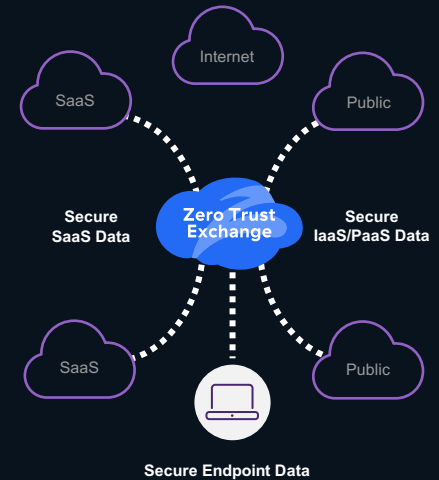
Prevent data loss across all channels?



Secures User, Workload & IoT/OT traffic
Inline DLP & TLS Inspection
Browser Isolation / Pixel Streaming

Secure Data-at-Rest

Configured correctly? Exposure?



Secures SaaS/Endpoint Data (CASB, SSPM, eDLP)
Secure IaaS/PaaS Data (Posture Control)
SaaS Supply Chain

Built-in workflow automation. Integrations with third-parties, including ServiceNow, Slack and Teams.

ZScaler

Our Journey to Zero Trust

Vision : Transform workforce to be productive and secure from anywhere, replacing legacy networking and security technology with a cloud native zero trust platform that connects users to applications, applies advanced cyber threat and data protection policies to optimizes end-to-end digital experience.

Capabilities Enabled

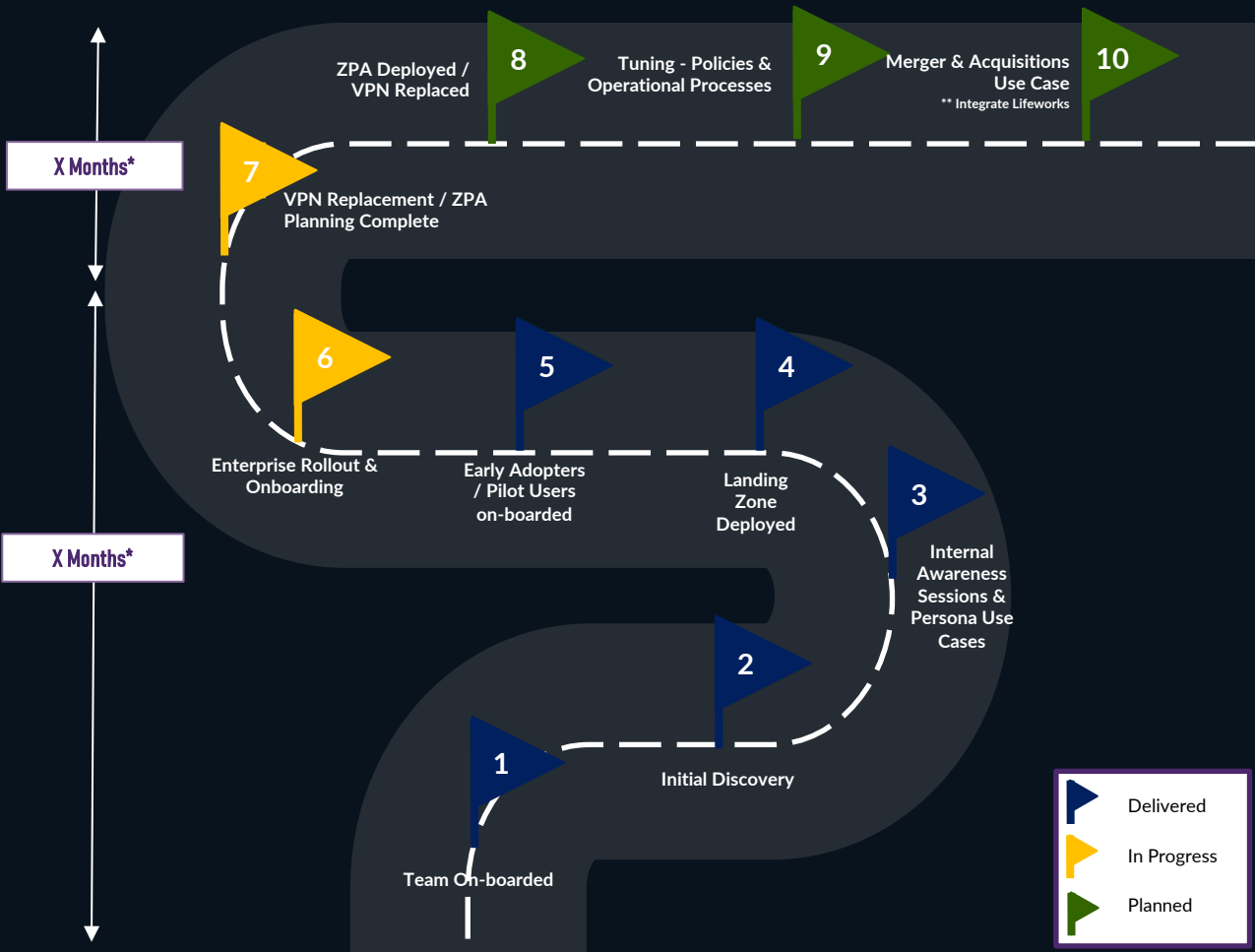
Data Loss Protection (DLP) Detects and Prevents sensitive data breaches / extradition.	Sandbox Stop Malware Inline, including quarantine of zero-day threats	Firewall / IPS Protect web and non web traffic for all users, apps and locations
Isolation Avoid exchange of malware or sensitive data by streaming content as pixels	DNS Security Inline protection against advanced DNS Tunneling and data exfiltration techniques	URL / Web Filtering Granular URL filtering to block malicious websites
Anti-Virus Detect and block viruses with signature-based detection and protection capabilities	Posture Control Scan for vulnerabilities and misconfigurations across the cloud environments	Adv. Threat Protection AI Powered protection against ransomware, malware and other advanced attacks
App. Segments Enforce user-app and workload-workload segmentation preventing network access	Deception Detect and stop compromised users, attackers, and lateral movement of decoys	App Protection Detect and block threats in private app traffic, including OWASP Top 10

Reporting | Single Pane View

Enabled

Planned

ROADMAP





END OF SLIDES



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