Strategies For Securely Moving To The Cloud

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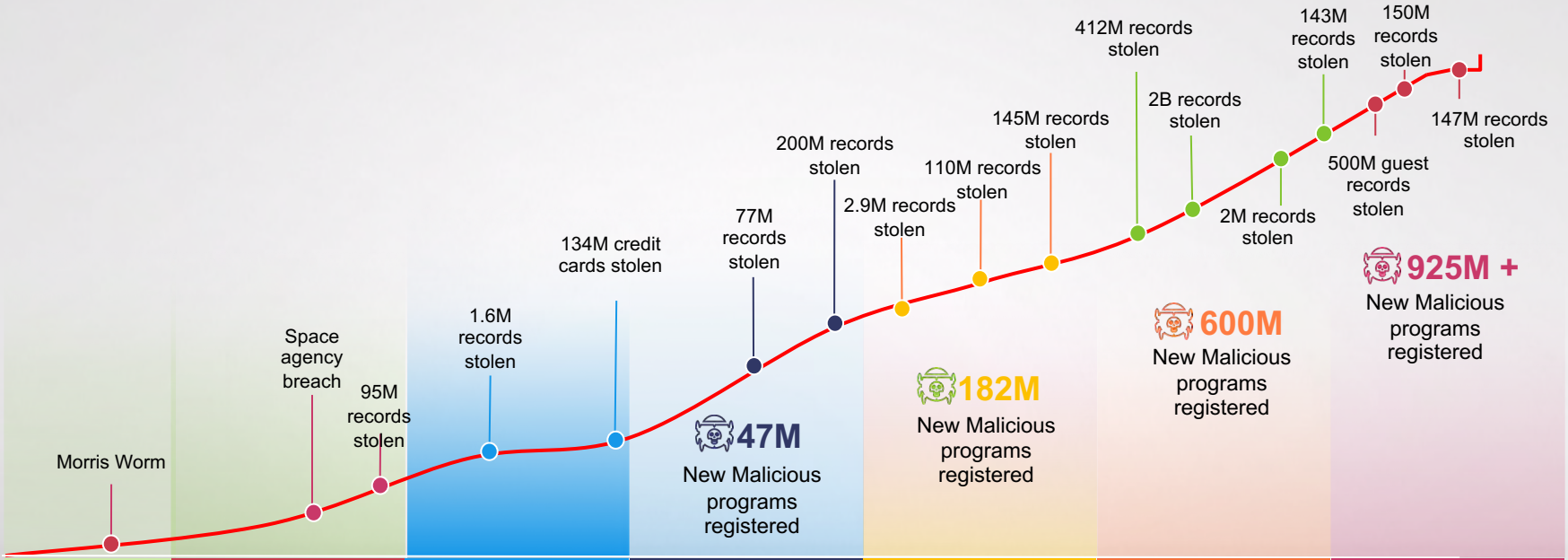
ASSESSING THE CYBERSECURITY INDUSTRY

While the Threats Get More Sophisticated



Source: Company research based on public disclosures and reports.

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Customers Spend More… But Feel Less Secure

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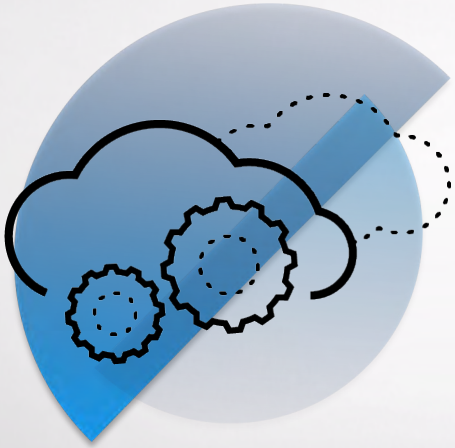
Two-Pronged Strategy to Secure the Cloud



Securing everything that runs in the cloud

Securing access to the cloud

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What Runs in the Cloud is the Customer's Responsibility

Customer

Responsible for
security "in" the cloud

- Data Security
- Host Vulnerabilities
- Network Traffic
- User Activities
- Resource Configurations

Cloud Service Provider

Responsible for
security "of" the cloud

- Compute
- Storage
- Networking

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Recent Learnings

28%

of databases receive inbound connections from the internet

Network Security

32%

of organizations publicly exposed at least one cloud storage service

Configuration Security

46%

of organizations accept traffic to Kubernetes pods from any source

Container security

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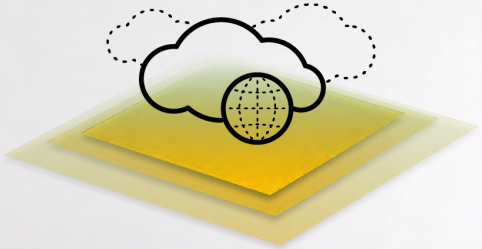
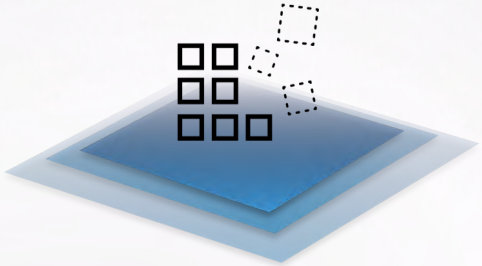
Cloud Teams Want



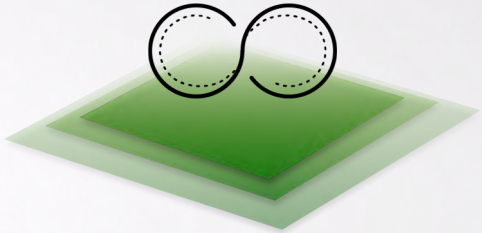
Multi-cloud adoption

Have flexibility with technology choices and resiliency



Cloud-native services

Develop applications using cloud-native services



Friction-free deployments

Leverage VMs, containers and serverless architectures

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To secure your cloud native apps, you need to protect every resource, across the entire lifecycle, consistently across any cloud.

Protect Every Resource

Secure any deployed resource, across IaaS, PaaS, Containers, Serverless and higher-level Cloud Services

Protect The Lifecycle

Secure applications from development to production

Protect Any Cloud

Protect both public and private clouds

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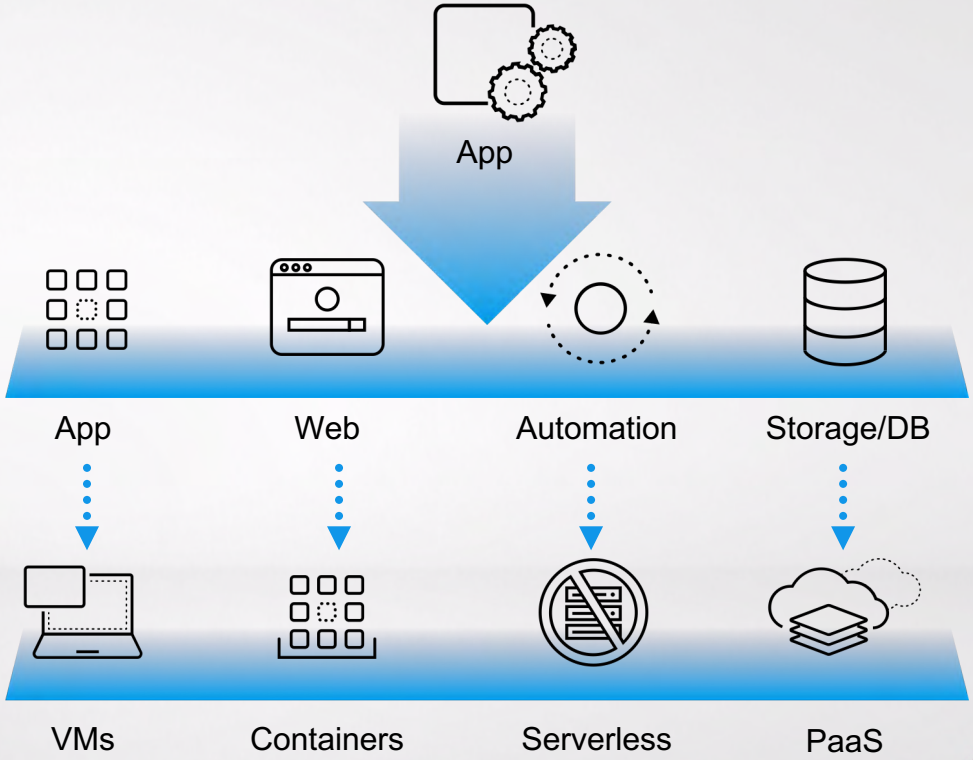
Securing a Cloud-Native App Requires Cloud-First Security

To Build an App

You Need Many Components

Running on Different Tech Stacks



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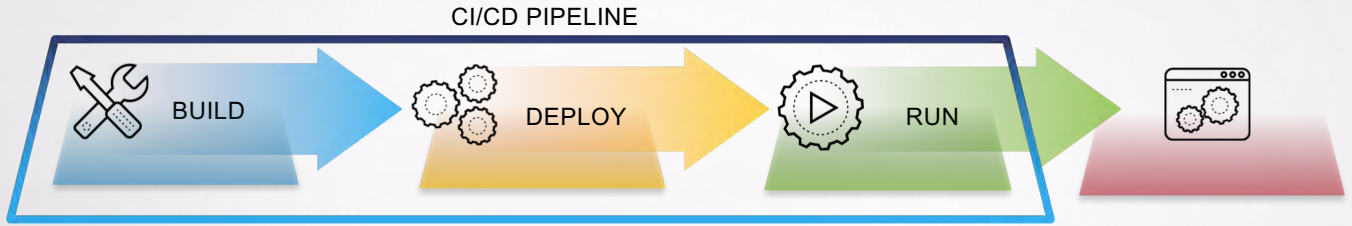
Pervasive security through all phases of application lifecycle



SHIFT LEFT – SHIFT SECURITY EARLY IN THE DEV LIFECYCLE

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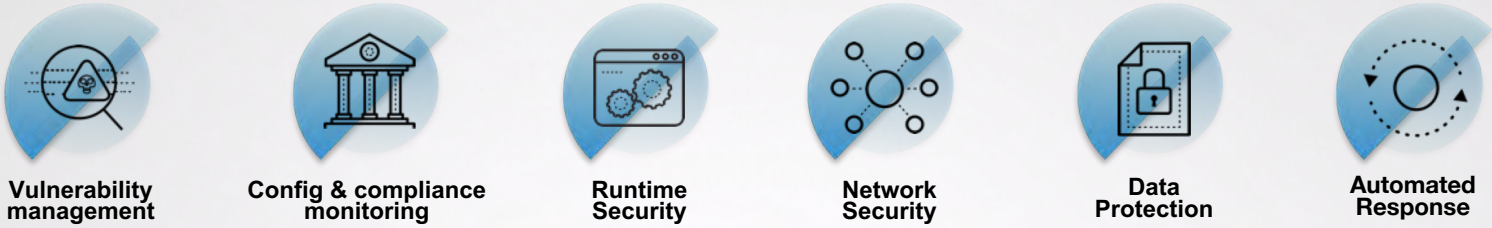
Many Security Requirements Across Every Cloud Technology



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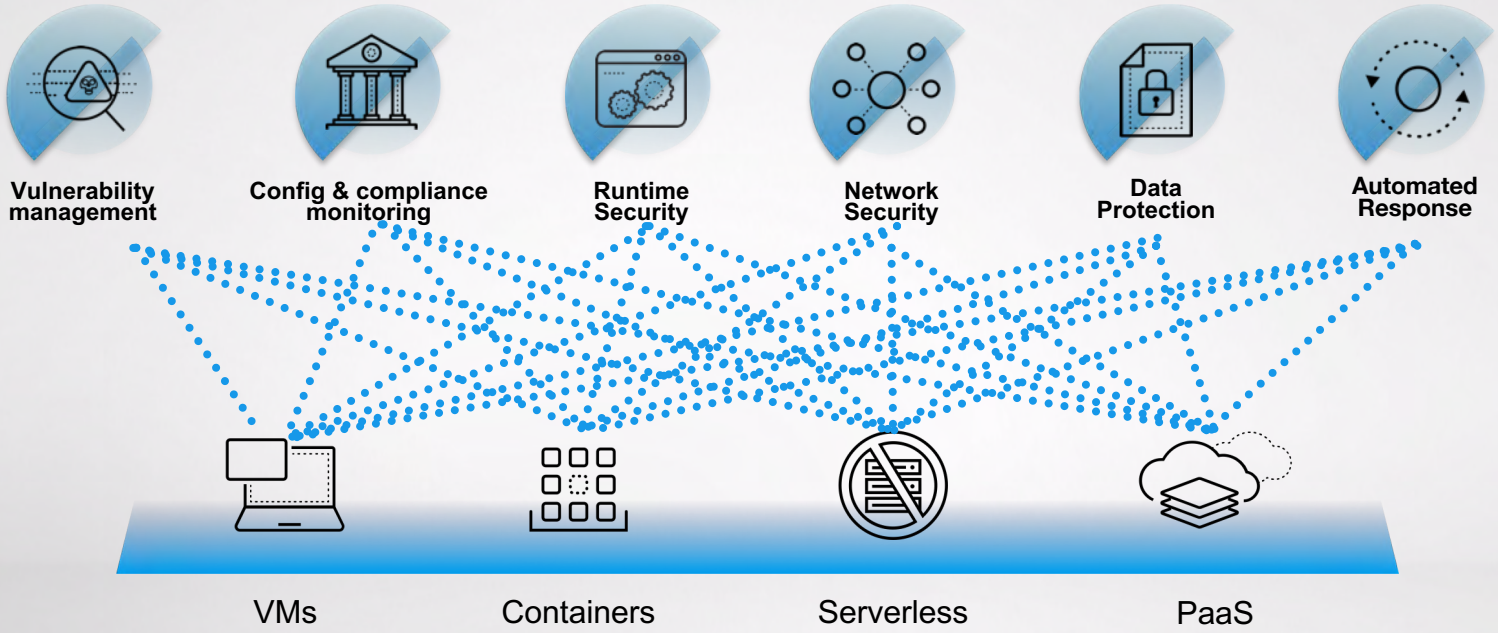
We Are at Risk of Repeating the Sins of the Past



Every Line = Another Point Product

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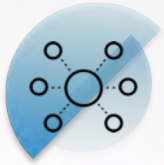
Successful Organizations Are Embracing A Platform Approach

Vulnerability management

Config & compliance monitoring

Runtime Security



Network Security

Data Protection

Automated Response

Across CI/CD, VMs, containers, serverless and PaaS

aws

Azure

Alibaba Cloud

Google Cloud Platform

Data Center (Private Cloud)

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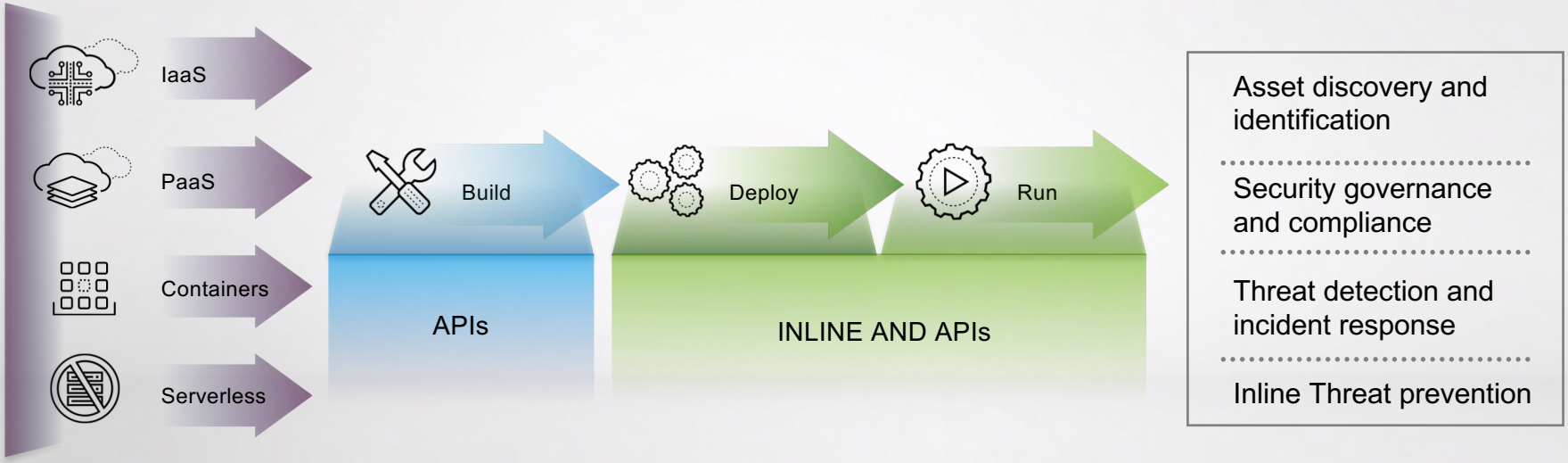
Addressing security issues early to reduce attack surface & potential runtime issues



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Securing everything
that runs in the cloud

**Securing access
to the cloud**

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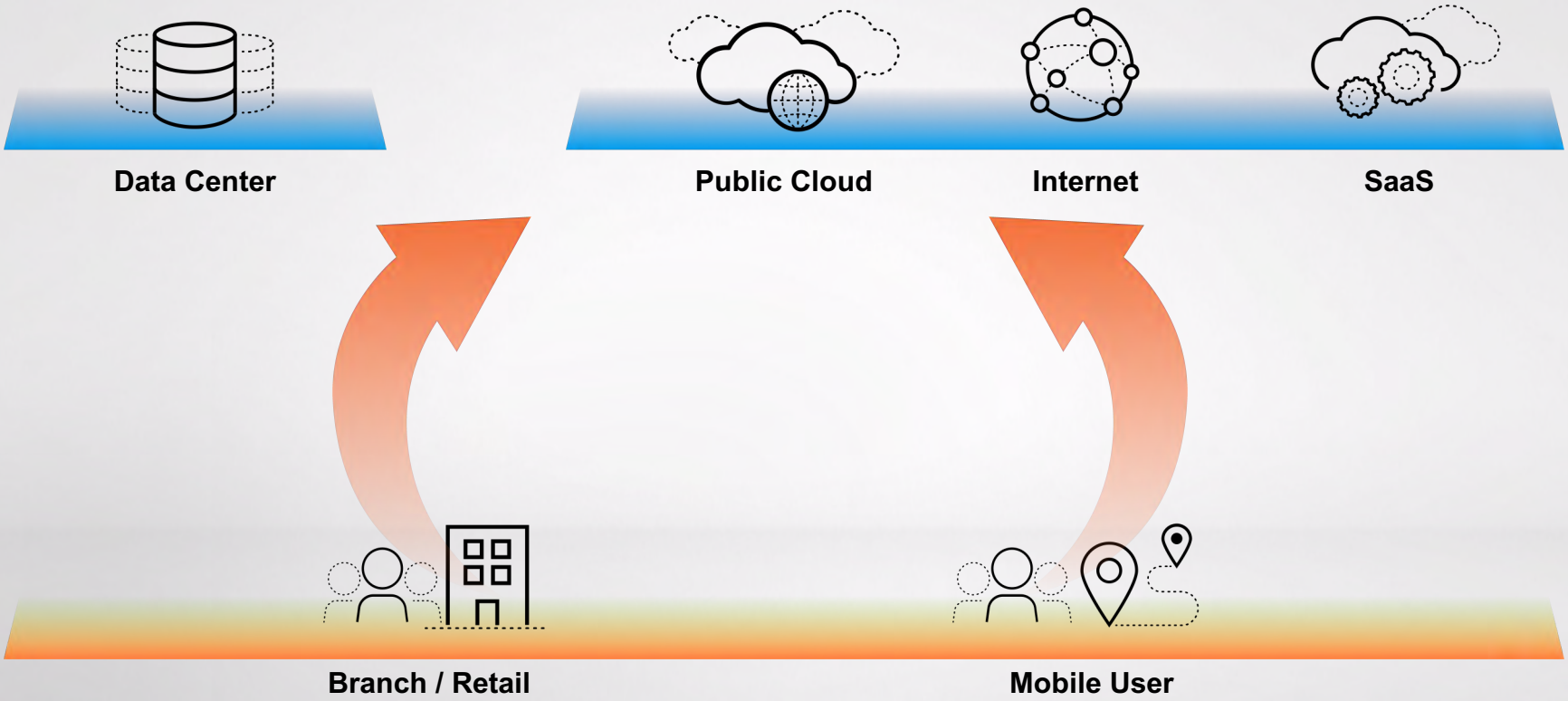
Cloud Is Driving a Network Transformation



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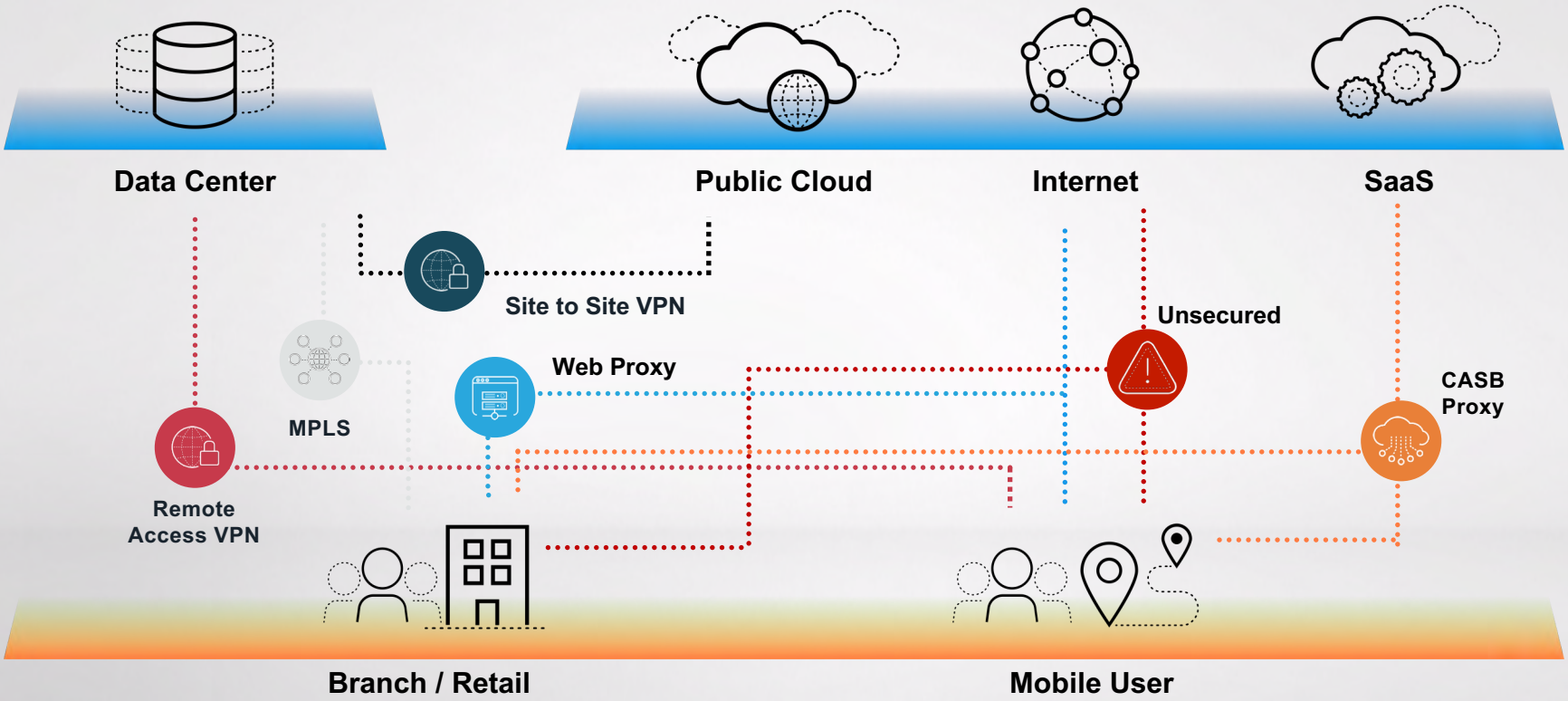
And Traditional Security Is Ineffective



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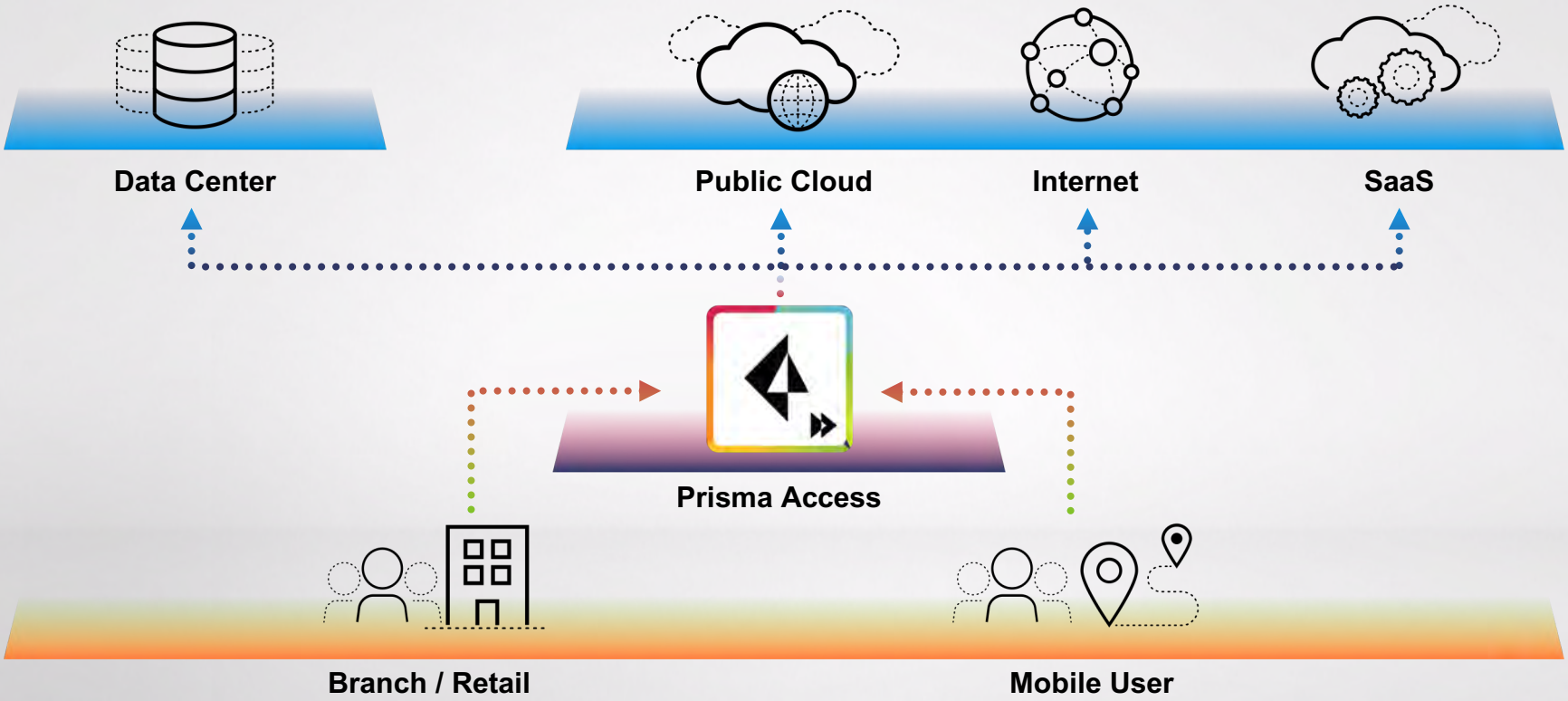
Taking A Platform Approach to Secure Access to the Cloud



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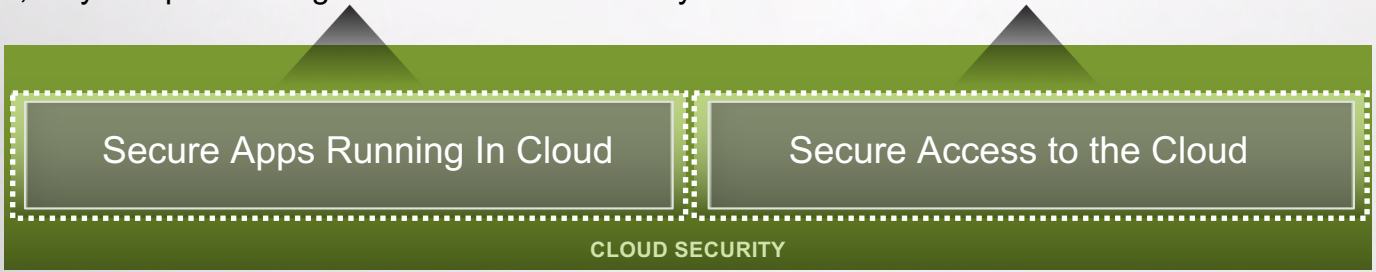
Taking the Next Step

Start at Any Point, Based on Business Priorities

Consistent security, cloud delivered, for all your apps, from anywhere in the world

Increase value and reduce operating expenses by managing risk, stay compliant and get ahead of cloud security threats



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Closing Thoughts

- Develop a cloud security strategy using an architectural approach
- Build security for cloud native application architectures
- Deploy cloud security platforms that span across the application lifecycle and scale around multi-clouds

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THANK YOU

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Q&A