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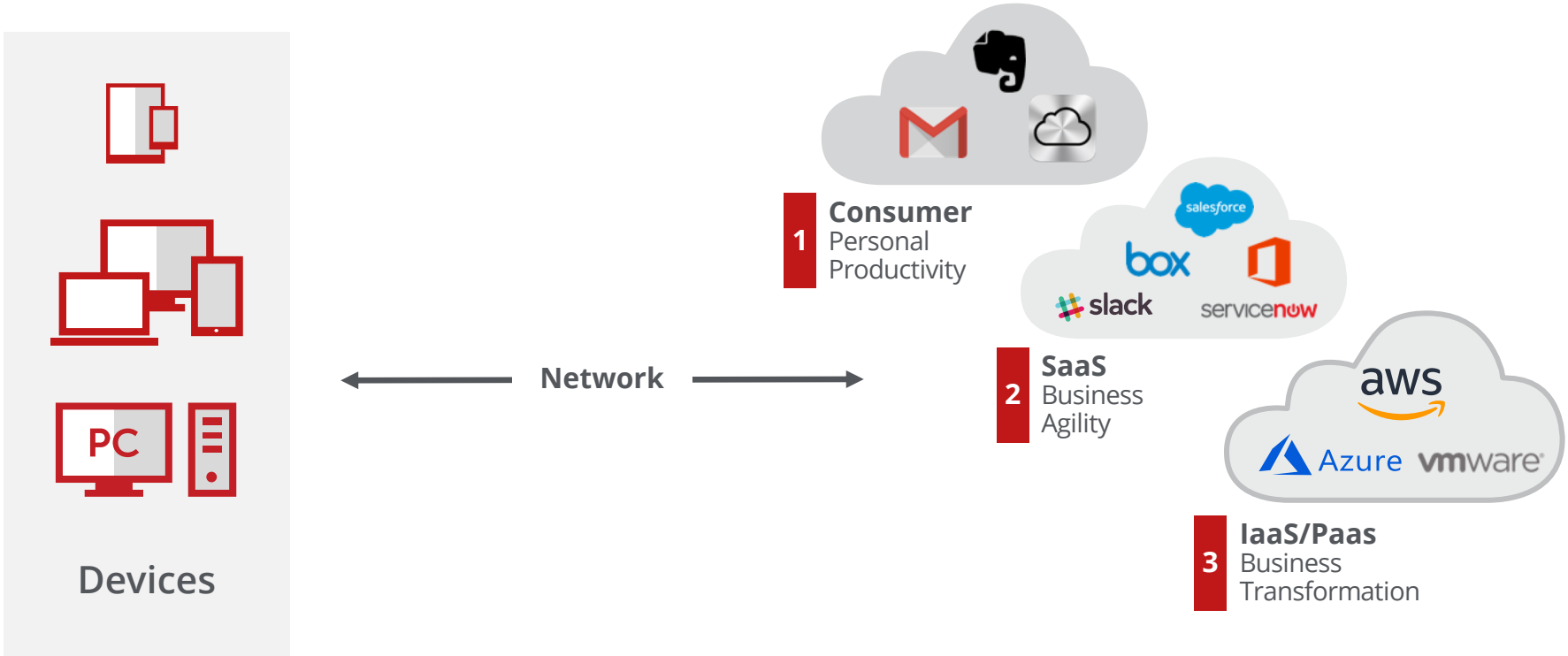
Security in the Age of Cloud

Striking the right balance between risk and friction

Kaushik Narayan

CTO, Cloud Business Unit

Customer Drivers for Cloud Adoption



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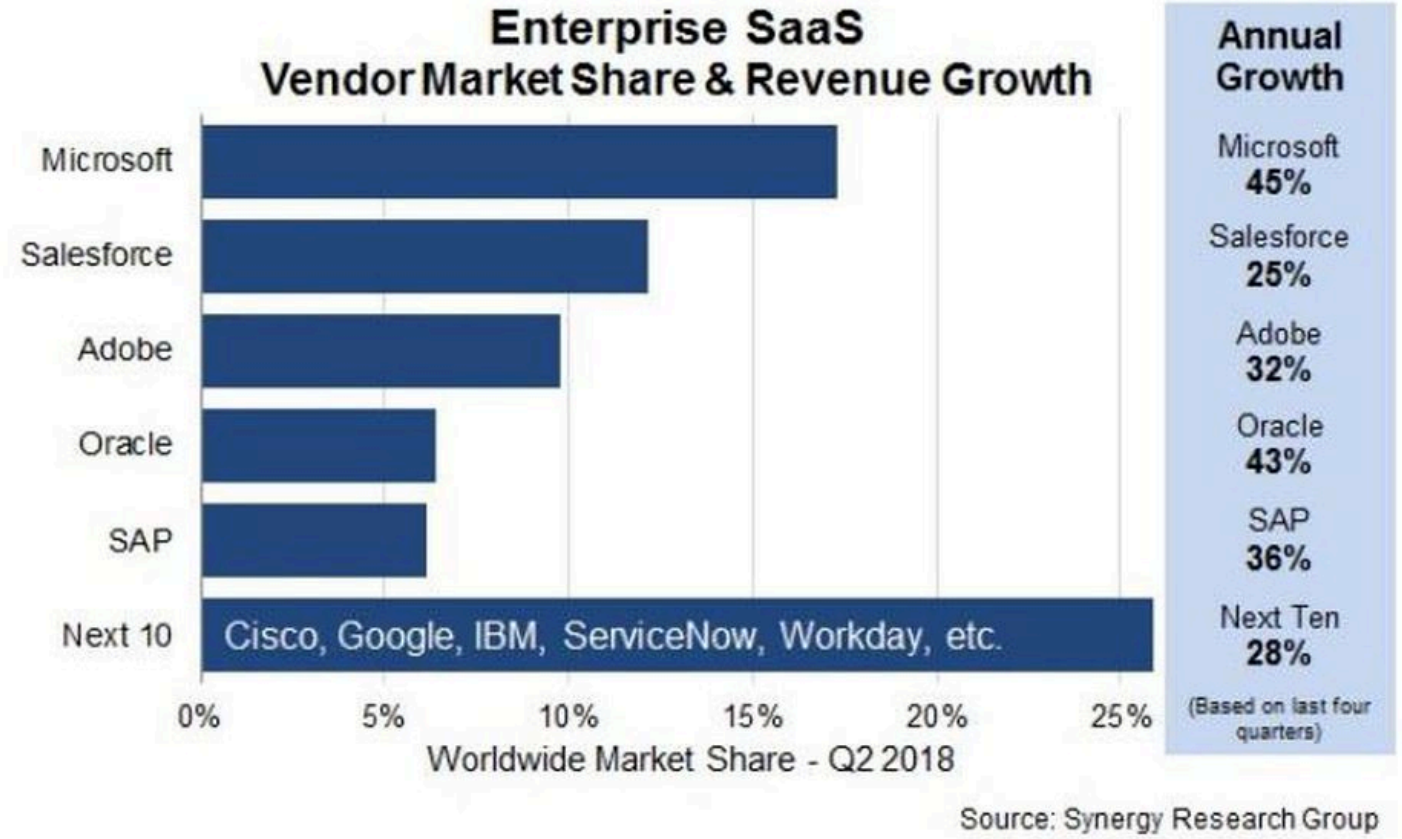
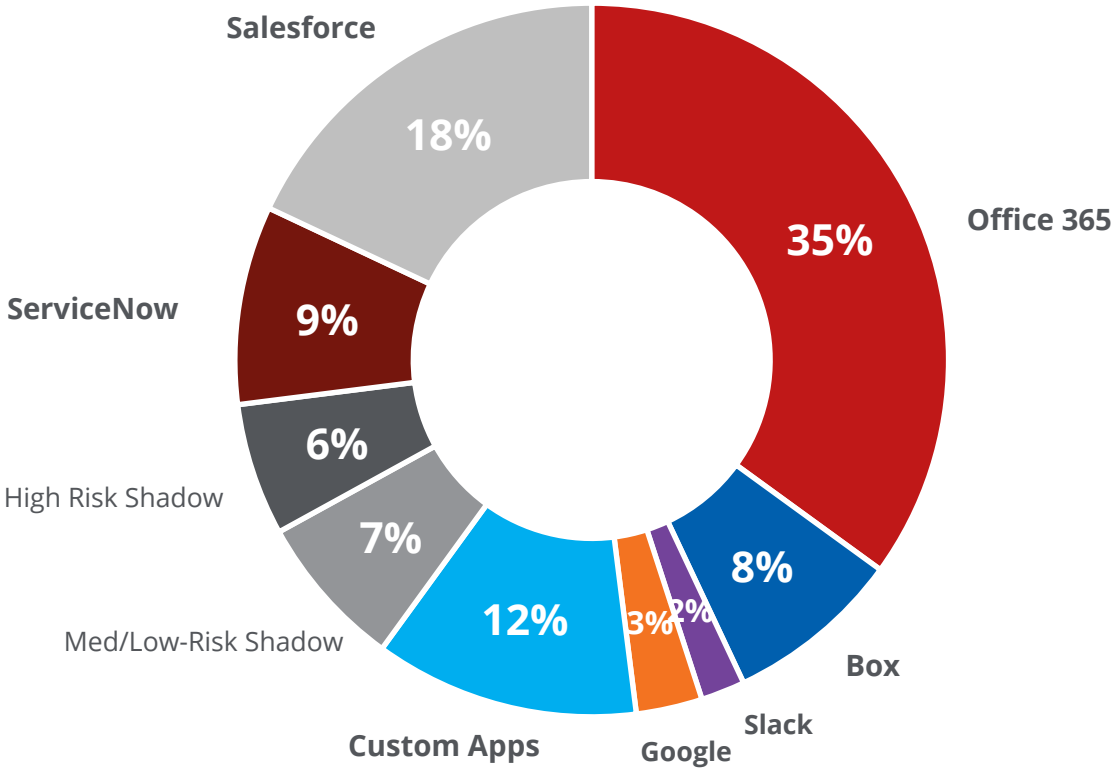
Enterprise SaaS

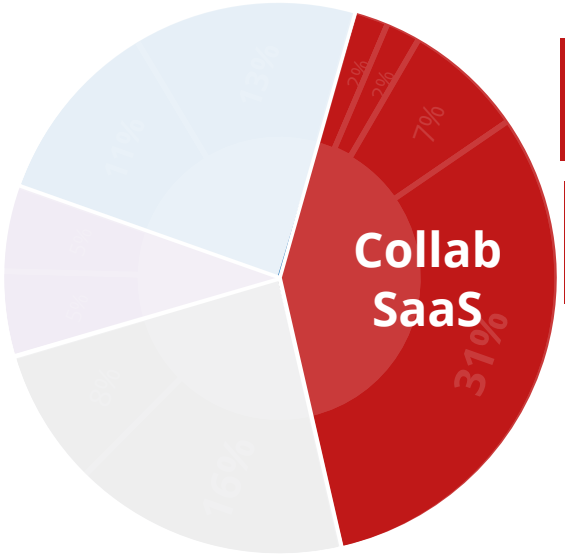
Enterprise SaaS Drivers and Distribution



Where is sensitive data in SaaS



Collaboration SaaS Core Security Use Cases



1. Data Protection
Prevent sensitive data from being stored and shared externally

2. Contextual Access Control
Block sync/download of corporate O365 data to personal devices

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3. Advanced Threat Protection
Detect compromised accounts, insider/privileged threats, malware

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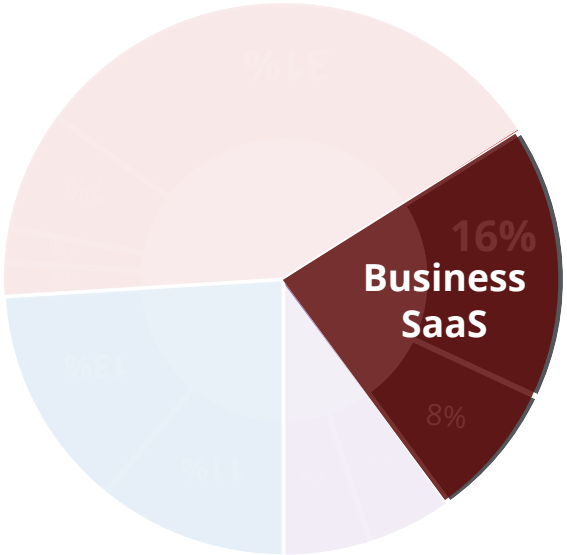
Source: McAfee Cloud Adoption Report, Nov 2018

Business SaaS Use Cases



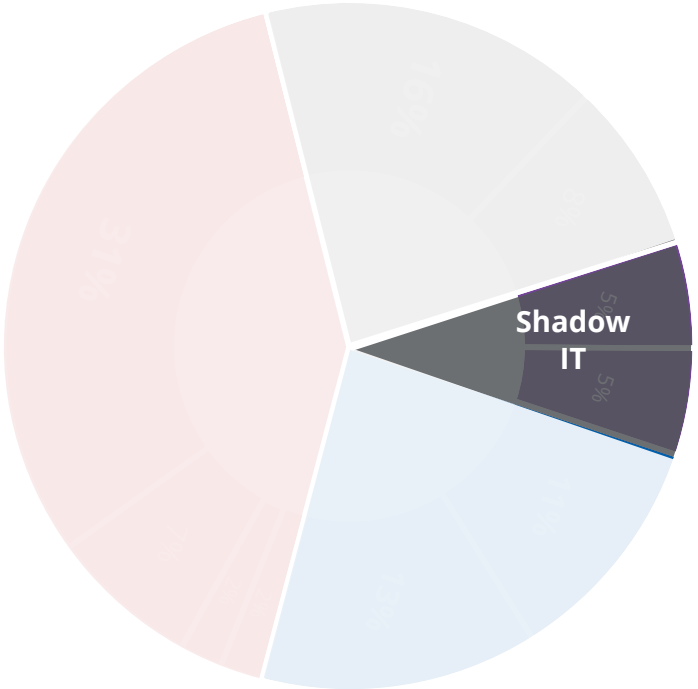
1. Compliance Management
Discover where you confidential is inside structured applications

2. Data Exfiltration
Protect report data from being exfiltrated to untrusted devices/users.

3. Data Residency
Enable platform or edge encryption with customer managed keys.

Source: McAfee Cloud Adoption Report, Nov 2018

Shadow SaaS Use Cases



1. Discover & Govern
Discover & Coach on use of high risk

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2. Conditional Access Control
Activity and Instance based access control

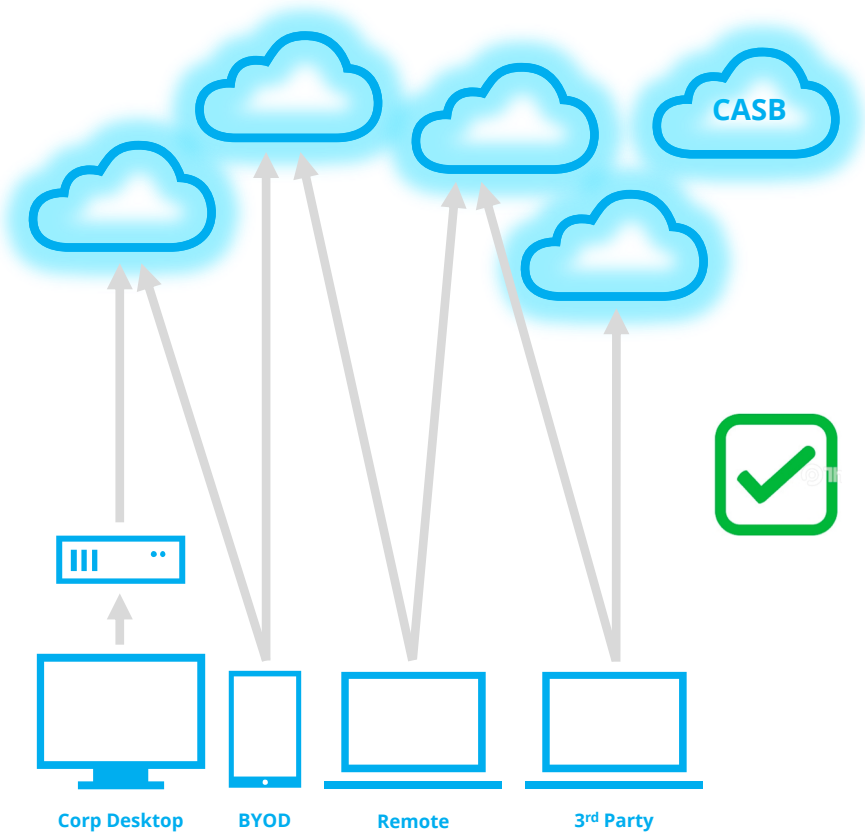
3. Data Loss Prevention
Prevent data exfiltration to medium risk services.

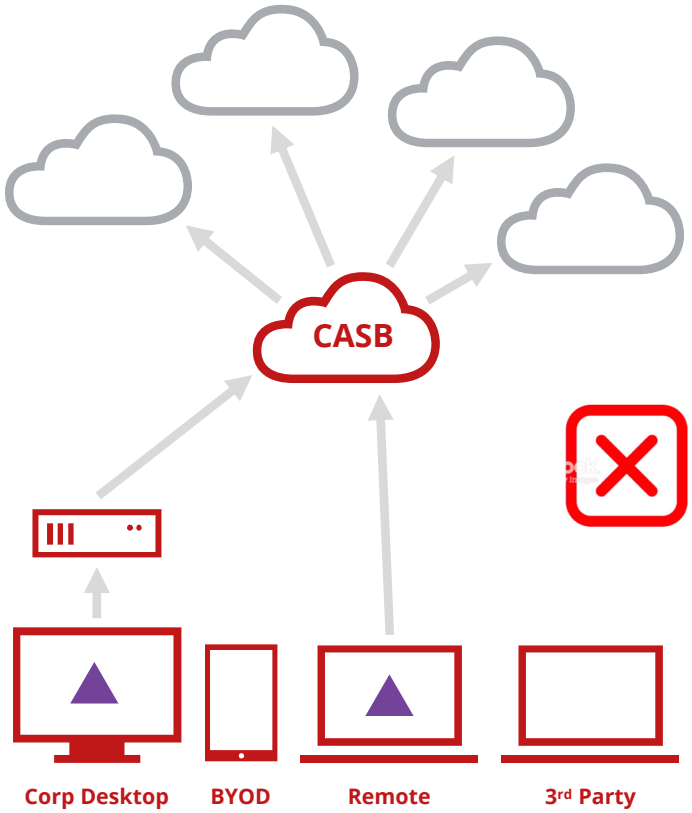
Source: McAfee Cloud Adoption Report, Nov 2018

Key Considerations for SaaS Security

- Frictionless solutions are key to success
- Operational integration with Enterprise Data Protection stack
- Coverage for all SaaS applications including long tail.

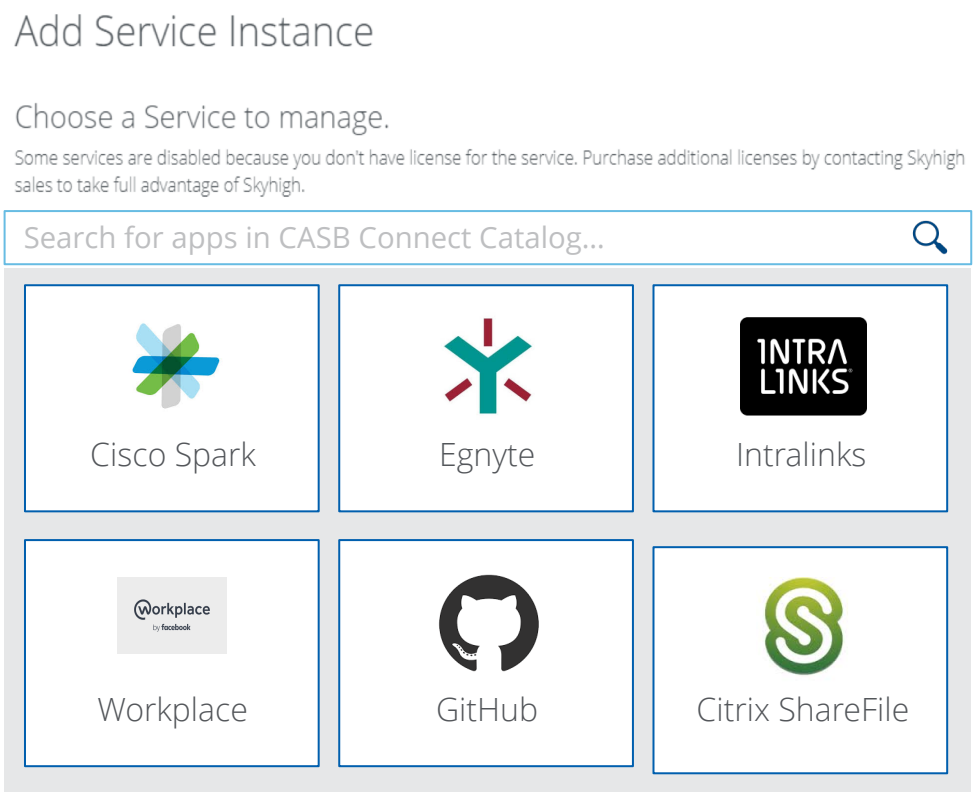
Cloud-Native Approach to SaaS Security





End to End Data Protection

Self Service SaaS/Application Catalog



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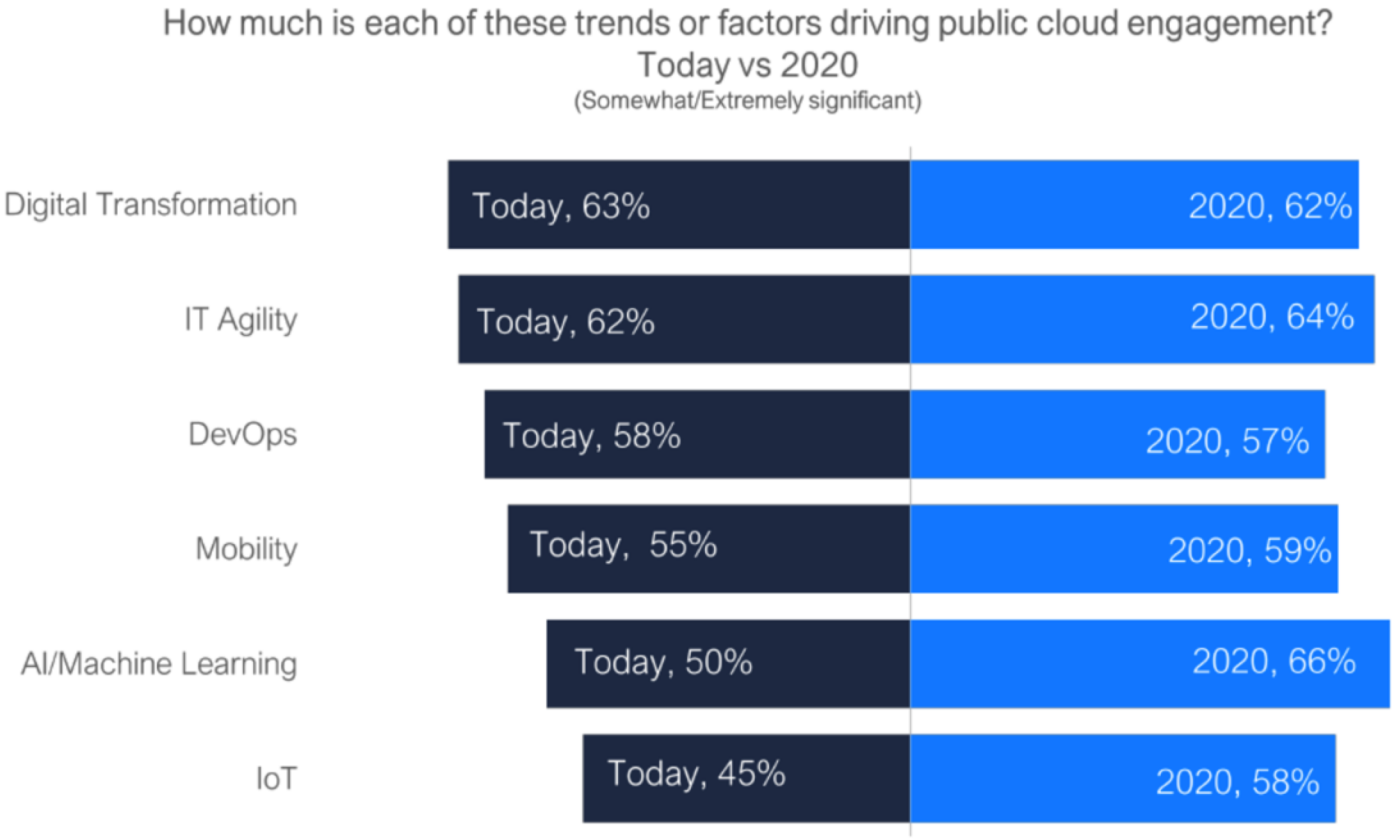
Enterprise IaaS/PaaS

Enabling Cloud Native Architectures

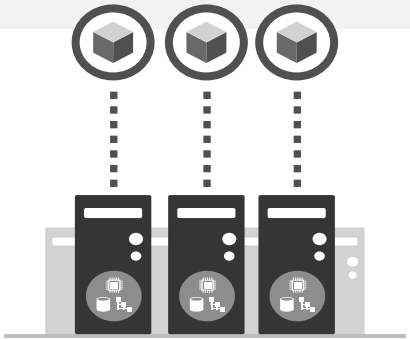
Enterprise IaaS/PaaS Drivers



Cloud Native Architectures
What is Different ?

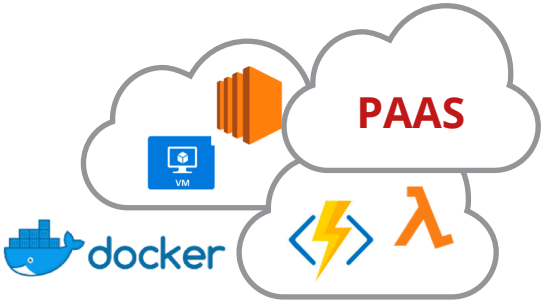
Traditional Applications

- Tight coupling between infrastructure and apps
- Siloed infrastructure, operations, and dev teams
- Security is custom and technical controls based



Cloud Native

- Loosely coupled apps and micro-services
- Service-focused DevOps
- Security is standard and specification based



Enterprise IaaS/PaaS Use Cases

1. Managing Drift
Identify IaaS resources with security settings that are non-compliant

2. Advanced Threat Protection
Detect compromised accounts, privileged user threats, malware.

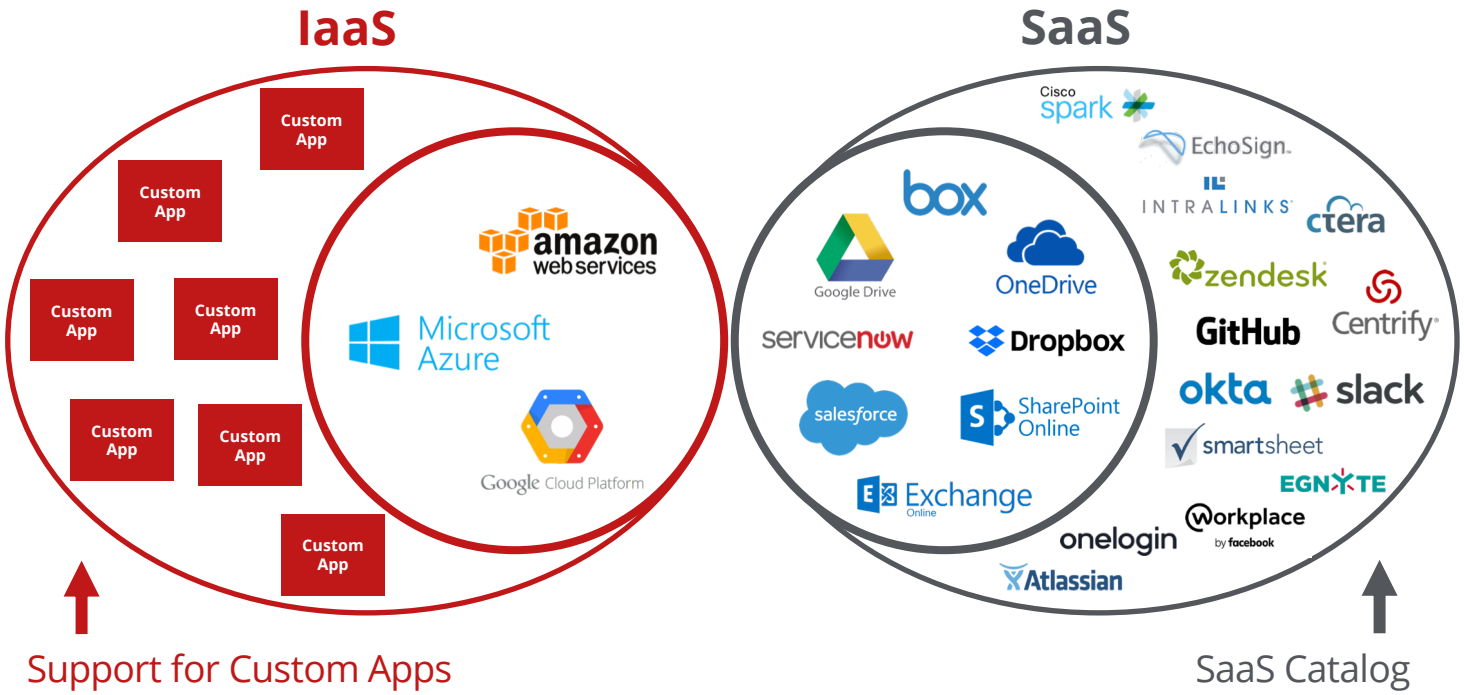
3. Sensitive Data Visibility
Manage risk of sensitive information/data.

Source: McAfee Cloud Adoption Report, Nov 2018

Key Considerations for Enterprise IaaS/Paas Security

- Developer/Devops centric models are key to success.
- Multi Cloud & Hybrid Cloud support.
- Information risk driving context and priority.

Comprehensive Security for the Cloud



MVISION Cloud

Cloud Security that Accelerates Business

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