

[MVP Session] Ochrona serwerów w środowisku Multicloud

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TROCHĘ O SOBIE

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Agenda

- Multi-cloud security
- Azure Arc
- Azure Update Manager
- Defender for Cloud and AWS and GCP
- CSPM capabilities for AWS and GCP
- CWP(P) capabilities for AWS and GCP

Multicloud security challenges

- Data management and compliance
- Identity and access management
- Threat detection and management
- Complexity reduction in managing multi-cloud environment

Out of professionals polled

61 %

find **security and compliance**
as cloud adoption barriers

Out of professionals polled

63 %

are challenged by **assuring**
data security and privacy

Out of professionals polled

76 %

are impacted by **security skills**
shortages

<https://www.fortinet.com/resources/reports/cloud-security>

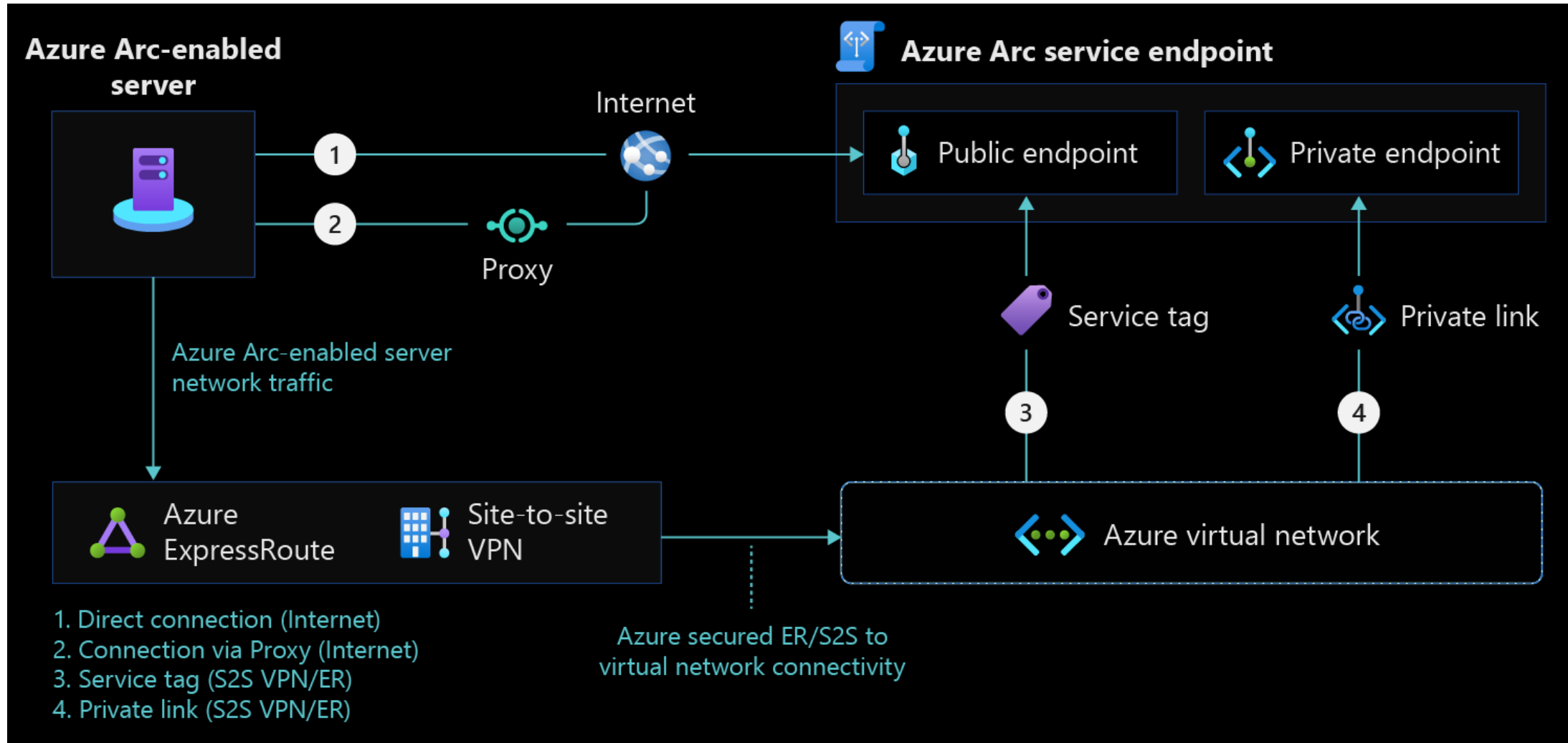
Azure Arc

Azure Arc is a bridge that extends the Azure platform to help you build applications and services with the flexibility to run across datacenters, at the edge, and in multicloud environments.

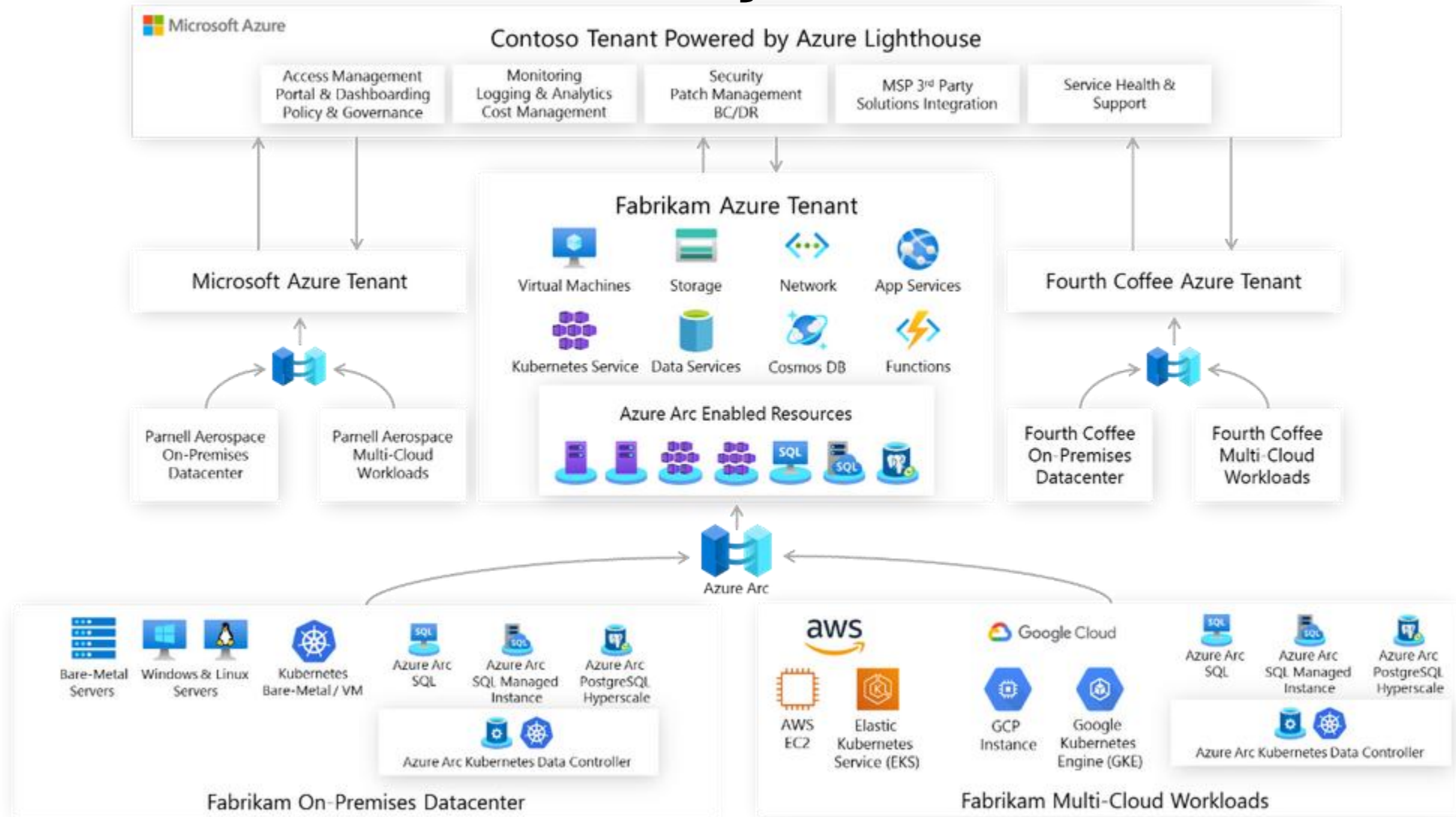
With Microsoft Defender for Servers Plan 2, Azure Policy guest configuration and Azure Update Manager are included at no additional cost. With Microsoft Defender for Cloud Plan 1, these two additional services are not included and can be purchased separately.

Services	Price
Inventory. Tag your resources, organize them into resource groups, subscriptions, and management groups, and query at scale with Azure Resource Graph to unify your environments.	FREE
Manage. Administrate your servers anywhere using SSH Arc, Run Command, and Custom Script Extension.	FREE
VM Self-service. Perform lifecycle management such as (create, resize, update and delete) and powercycle operations such as (start, stop, and restart on VMware vCenter and System Center Virtual Machine Manager Virtual Machines.	FREE

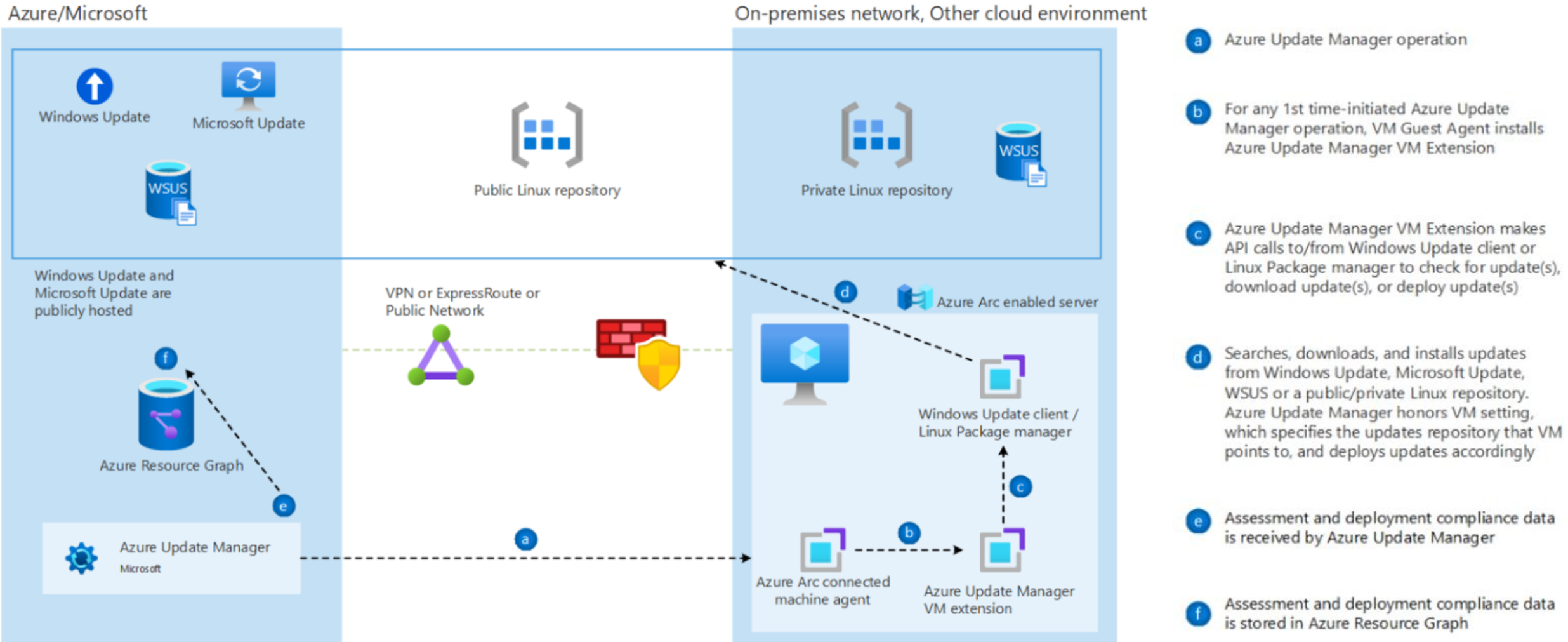
Azure Arc – server connectivity



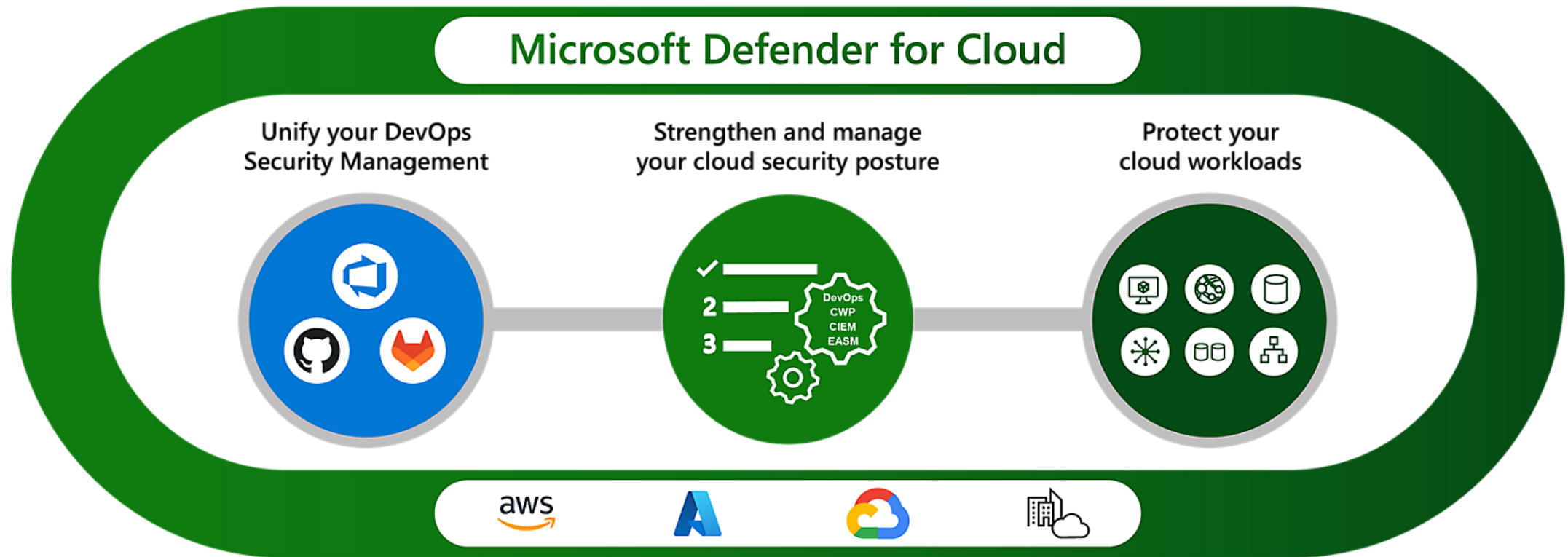
Azure Arc – multitenant and multicloud



Azure Update Manager



Microsoft Defender for Cloud



Microsoft Defender for Cloud

Secure your critical workloads running in AWS, Azure and Google Cloud

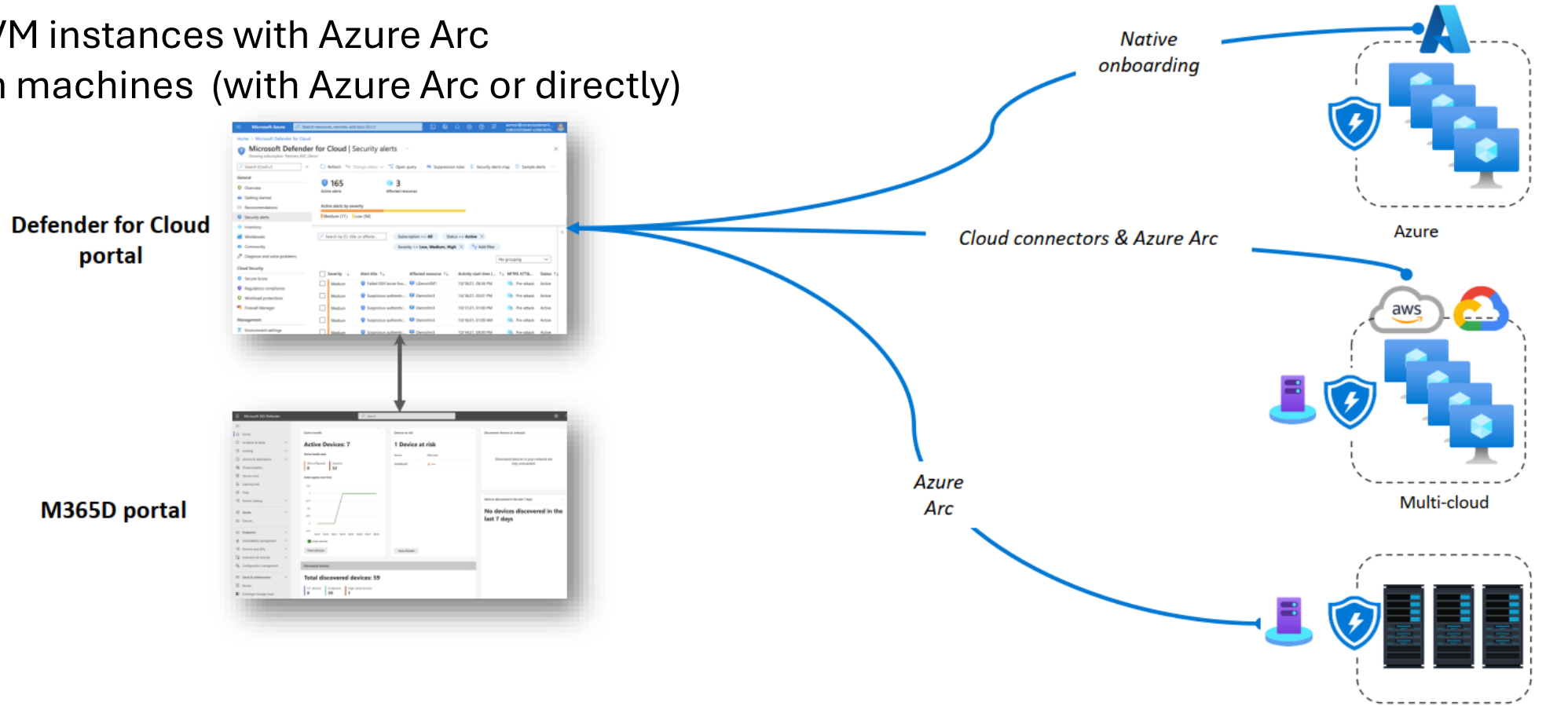


- Easy onboarding of AWS accounts and native support for Azure
- Assess and implement best practices for compliance and security in the cloud
- Get a bird's-eye view of your security posture and vulnerabilities across clouds with secure score
- Protect Amazon EKS and GKE clusters
- Protect GCP VM instances and AWS EC2 workloads

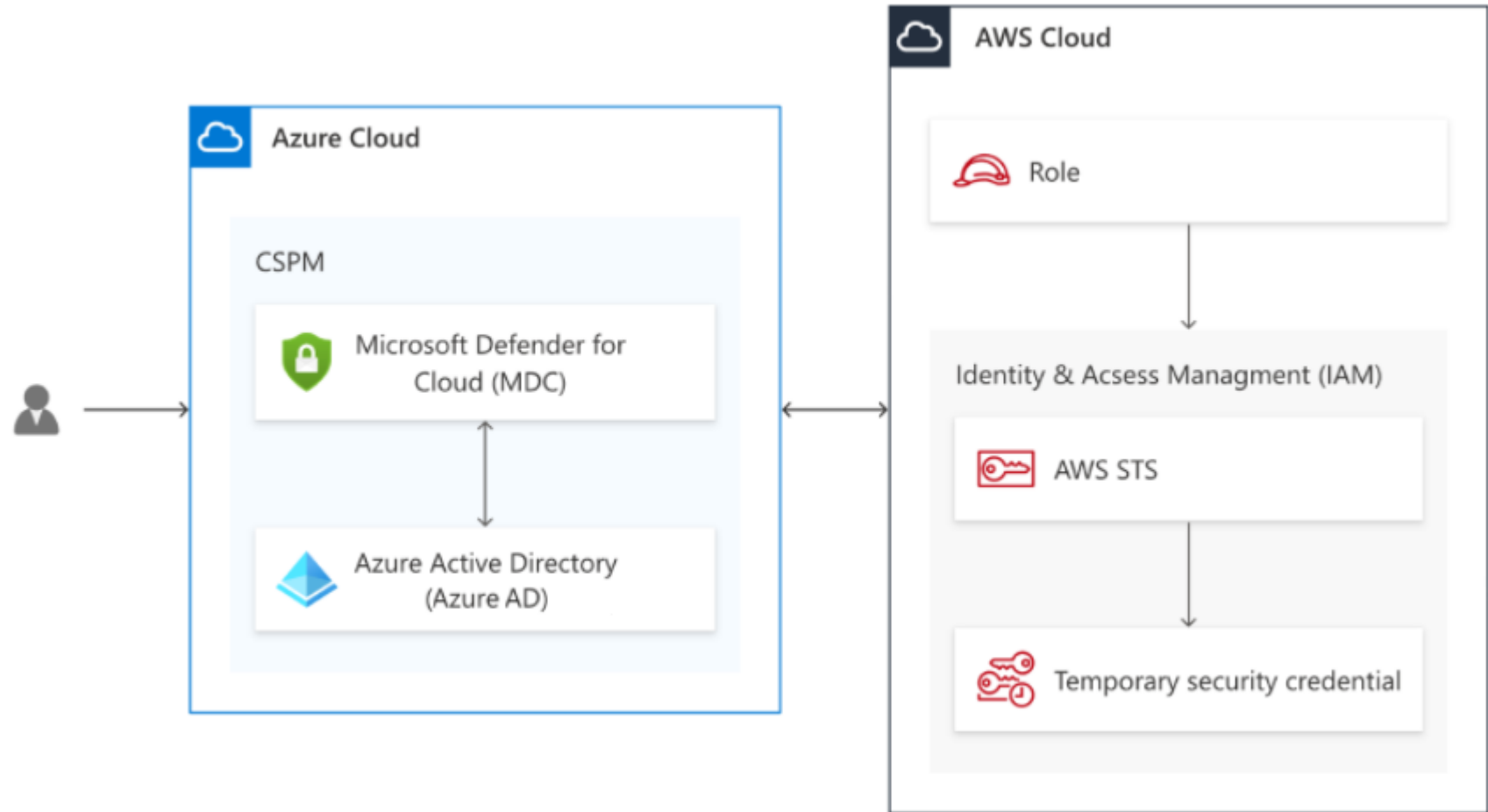
Defender for Servers in multcloud

All servers are secured the same way:

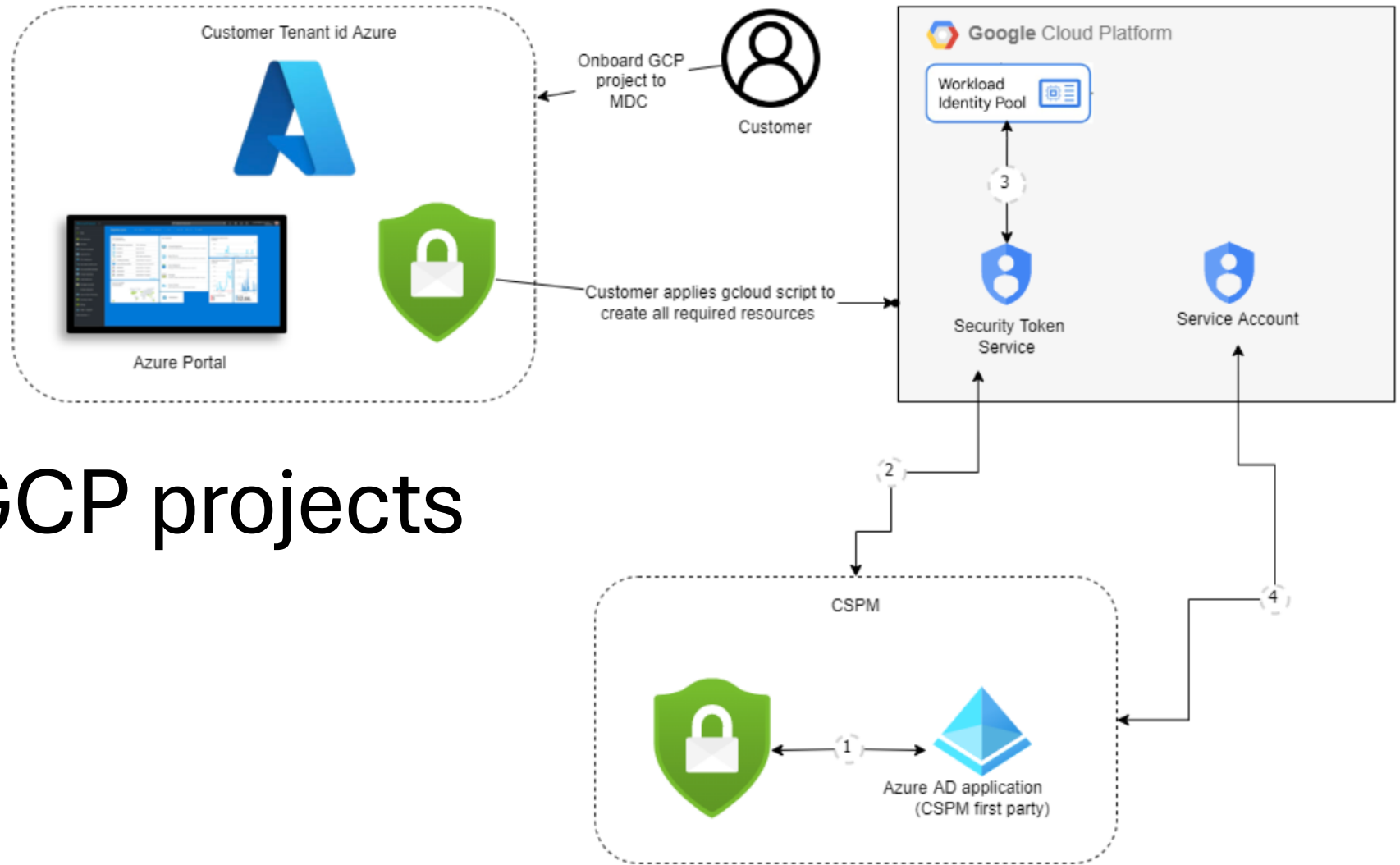
- Windows and Linux EC2 instances on AWS with Azure Arc
- Google VM instances with Azure Arc
- On-prem machines (with Azure Arc or directly)



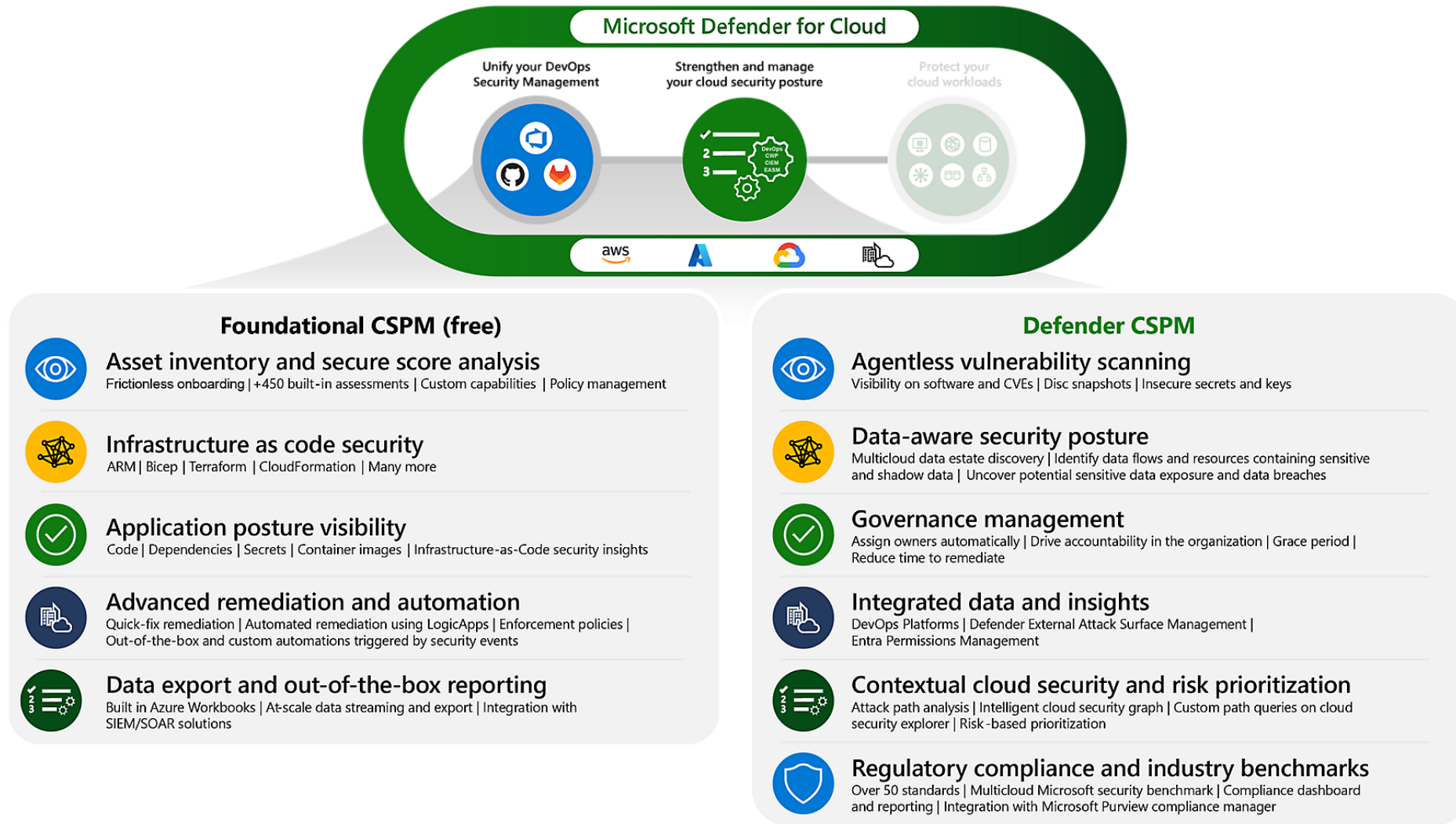
Connecting AWS accounts



Connecting GCP projects



Defender for Cloud - CSPM



CSPM – security recommendations

- API based
- More than 160 out of the box recommendations for AWS
- More than 130 out of the box recommendations for GCP
- More than 30 resource types
- Regulatory compliance standards – CIS, PCI DSS, Best Practices



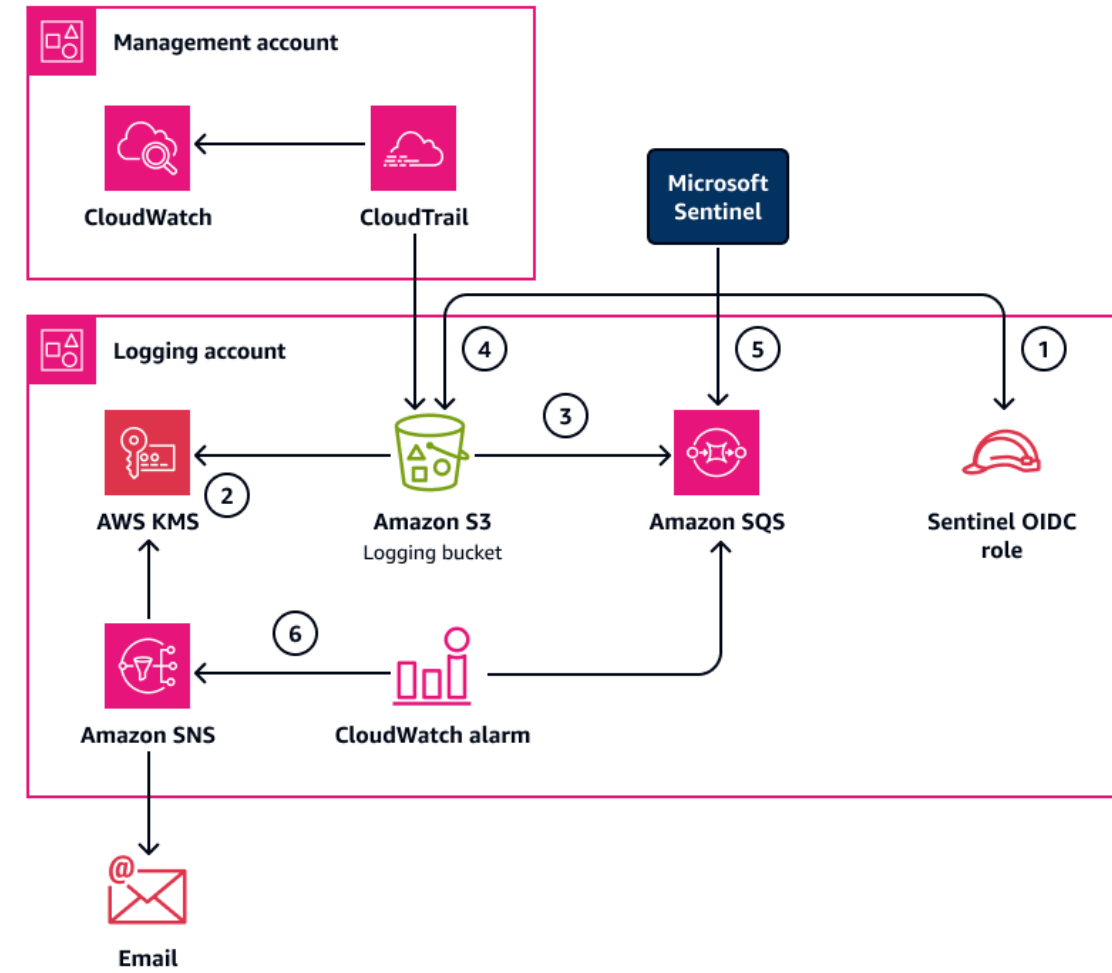
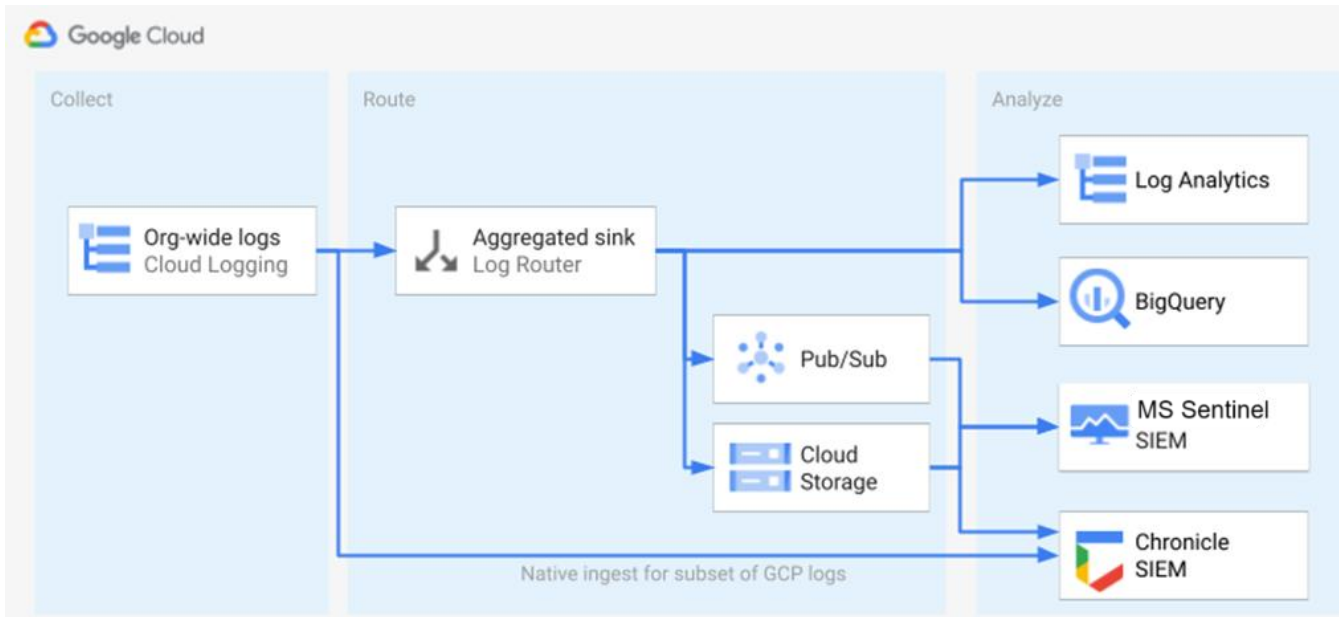
Compliance management

- Show compliance status, based on continuous assessments of Azure, AWS and GCP resources
- Monitor AWS and GCP resources
- Microsoft Cloud Security Benchmark monitoring enabled by default
- Mapped to the MITRE ATT&CK framework
- Support for common regulatory and compliance standards
- Reports of compliance status
- Custom recommendations possible

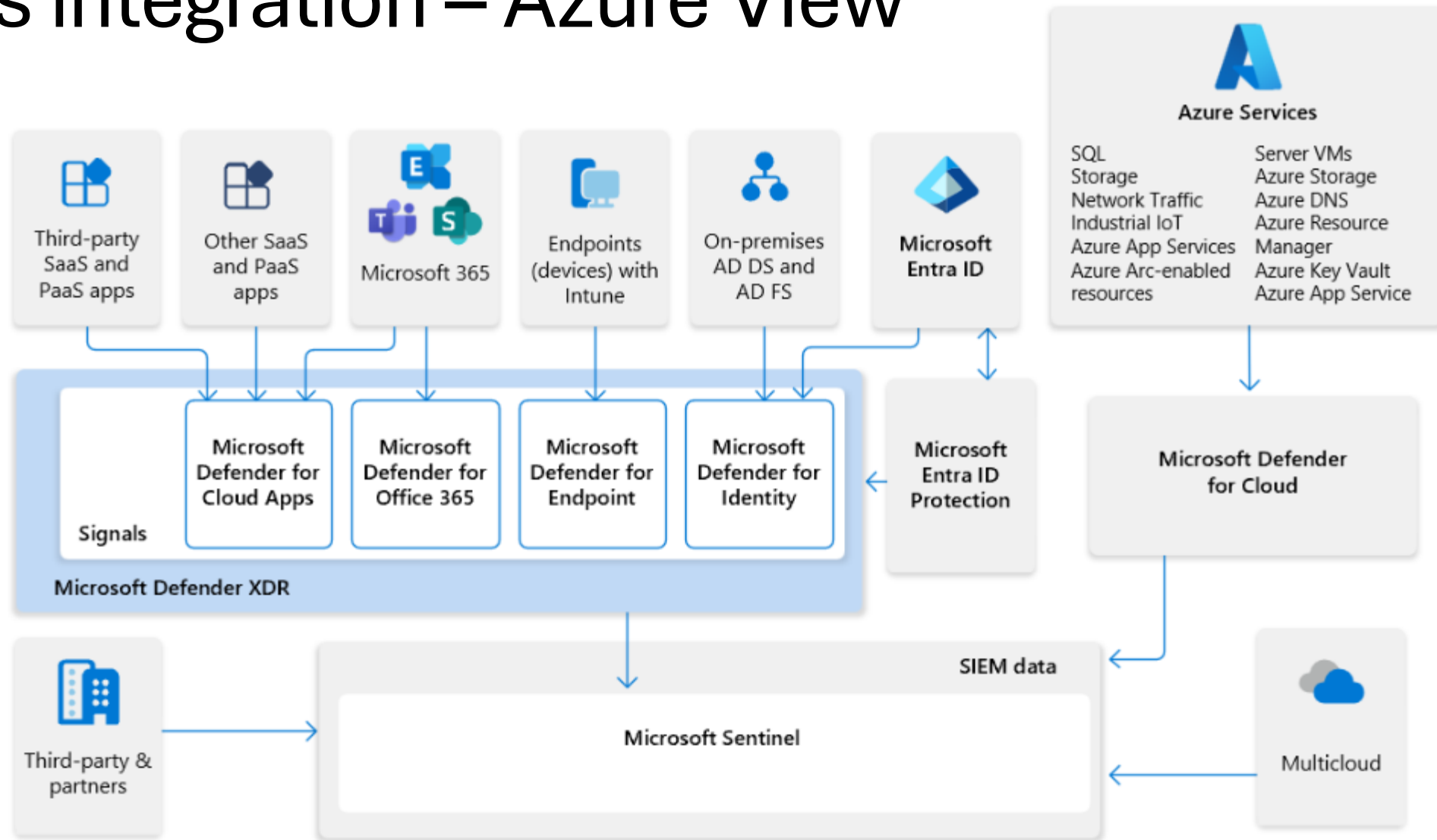
Microsoft Sentinel in multicloud

Connectors for AWS and GCP:

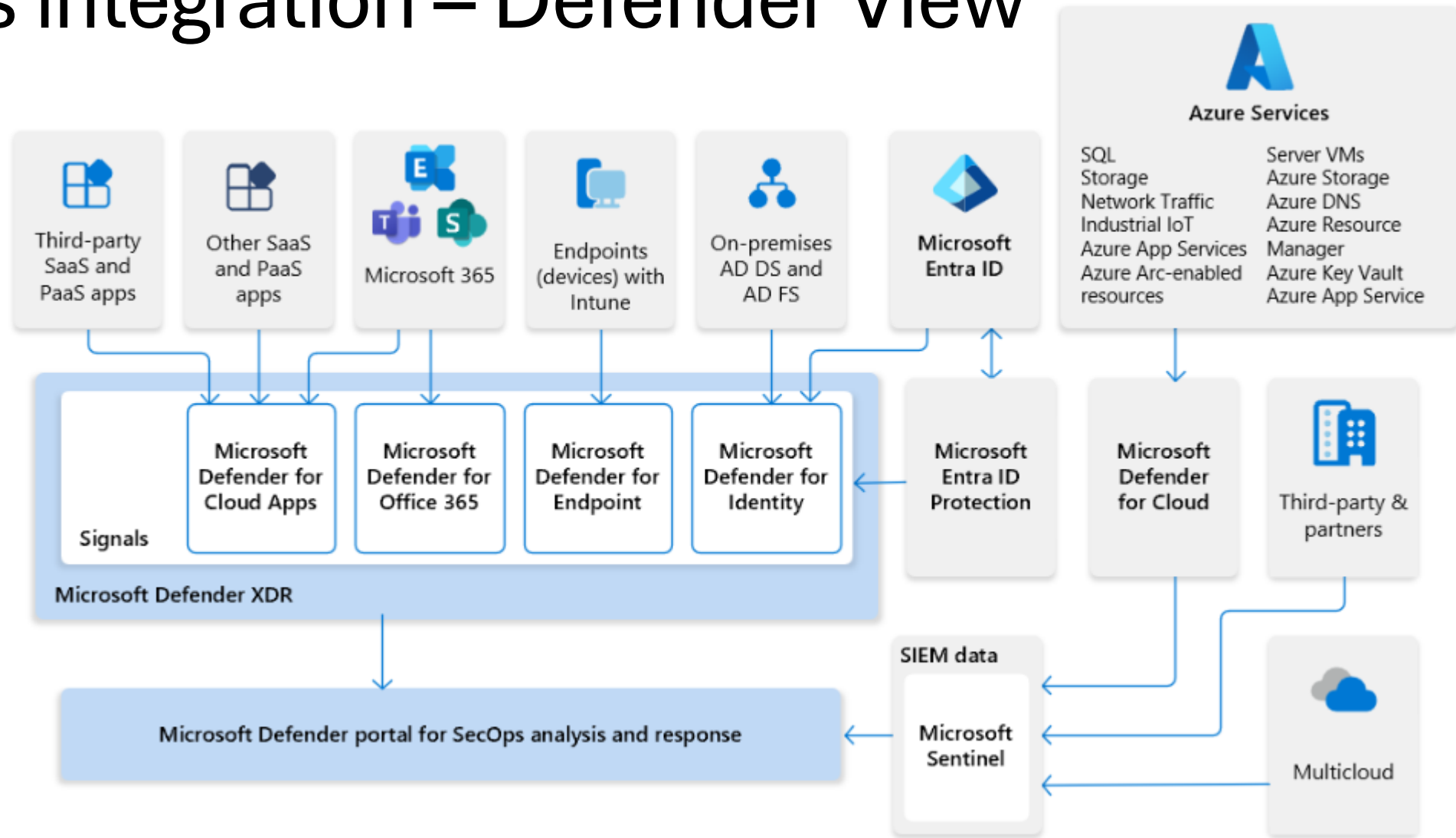
- Terraform (or Cloud Formation) code to configure integration with specific cloud



Tools integration – Azure View



Tools integration – Defender View



Feedback

Zeskanuj kod i zostaw
swoją opinię



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<https://mstechsummit.pl/user.html#!/lecture/MSTS25-78a9/rate>