



AZURE DAY



Detect compliance and security  
issues for DevOps and  
multi-cloud environments  
in (less than) one hour

Mario Cuomo & Edoardo Garofano

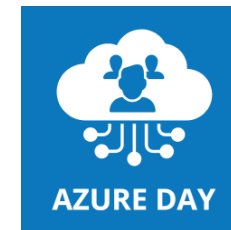
Cloud Security Architects @ Microsoft



# Thanks to



# Microsoft



## avanade



## 4wardPRO

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# Who we are




Mario Cuomo

 [mariocuomo.github.io](https://mariocuomo.github.io)



Edoardo Garofano

 [linkedin.com/in/edoardo-g-44b314b2](https://linkedin.com/in/edoardo-g-44b314b2)



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# Agenda

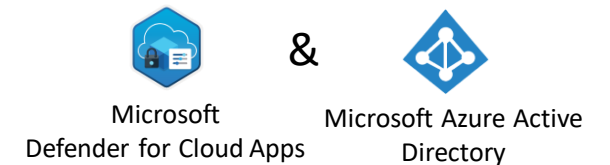
## 1. Compliance and security management from stakeholders to developers

- Multi-Cloud compliance and risk as a service
- Multi-Cloud workloads' security



## 2. Modern security controls in legacy environments

- Applying risk and data value based conditional access policies
- Forcing any legacy application to authenticate with Azure Active Directory



## 3. Automate and Integrate security with newest technologies

- Centralize all security issues from any environment
- Automate workflows with AI





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# Checking compliance for any environment

## Hybrid Cloud platforms



Microsoft  
Defender for Cloud



Amazon Web Services



Microsoft Azure



Google Cloud



On-premises



Microsoft  
Defender for Cloud Apps

## 17,000+ supported apps



Office 365



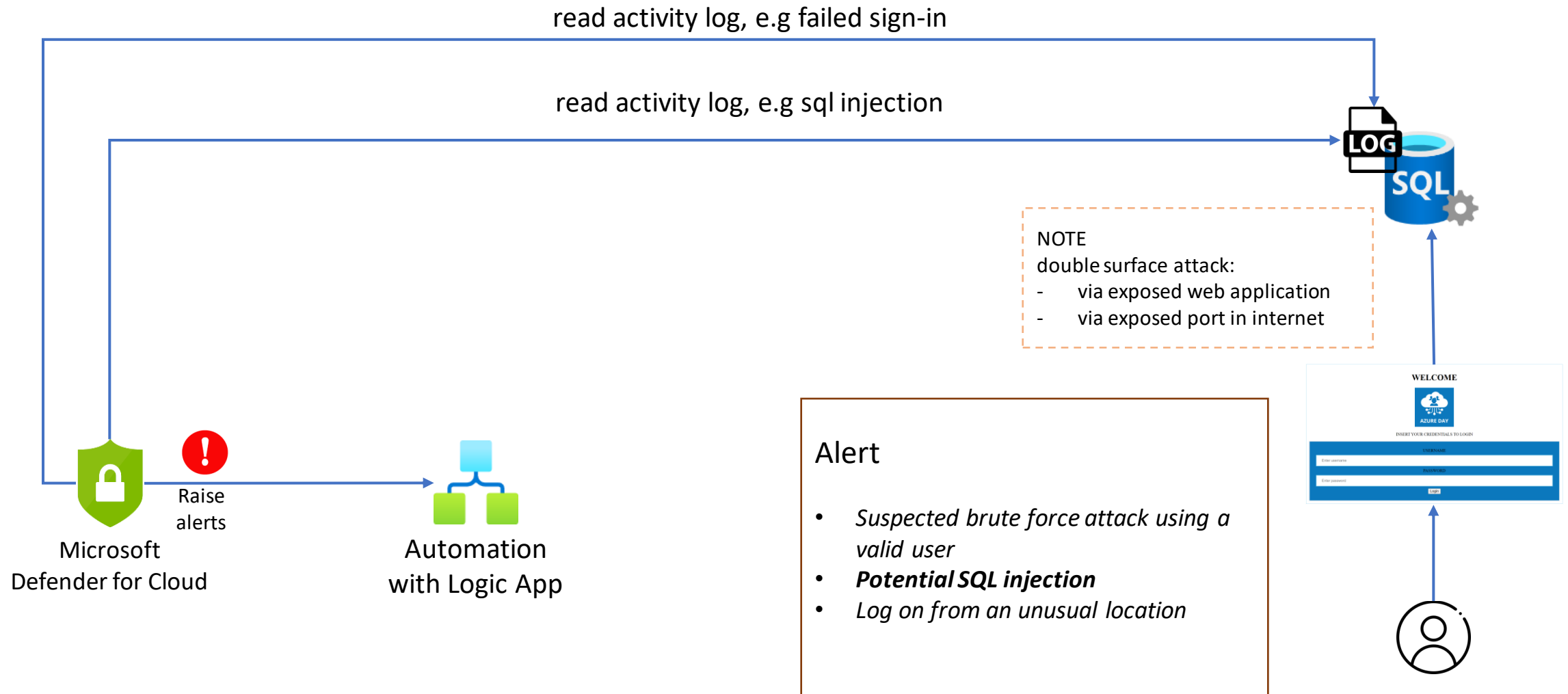
Microsoft Teams





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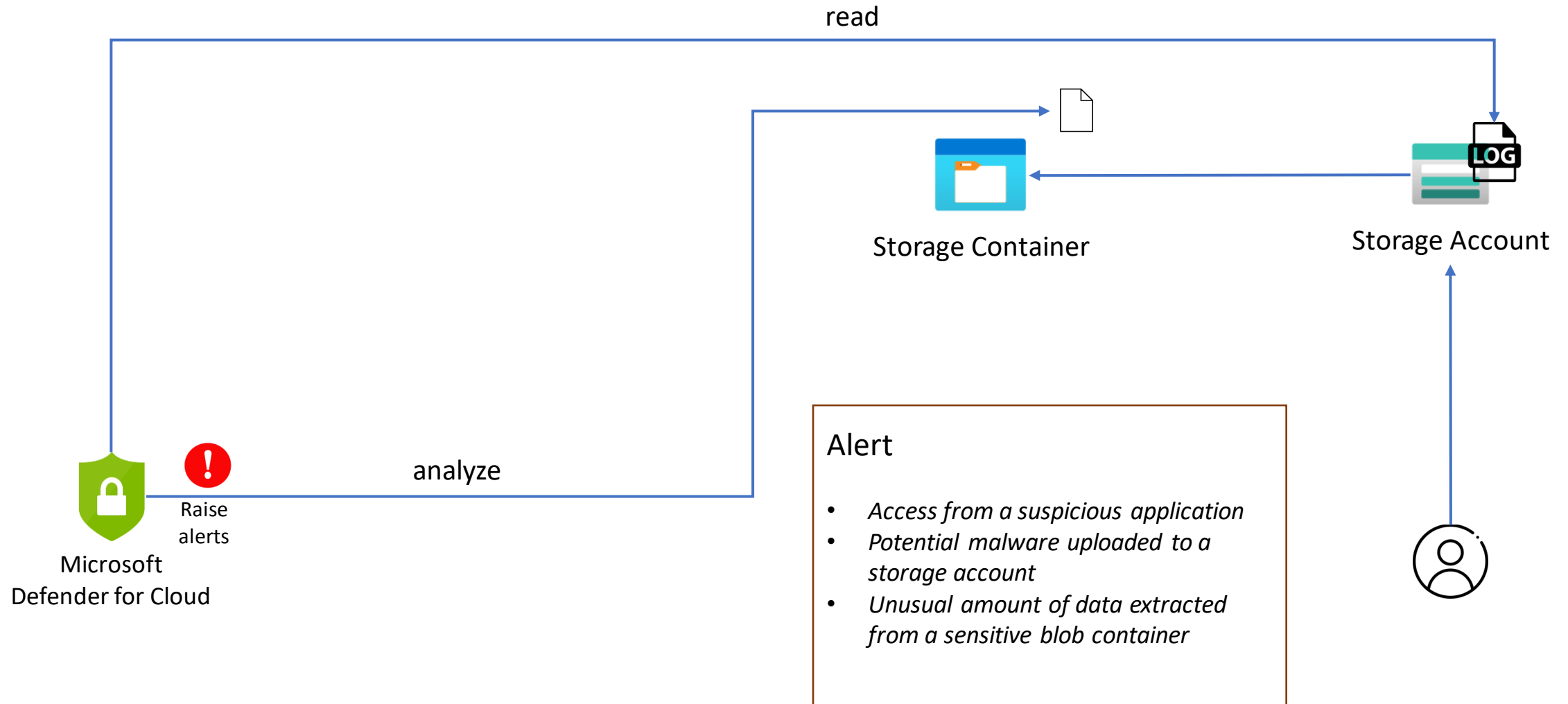
# Protect your Database





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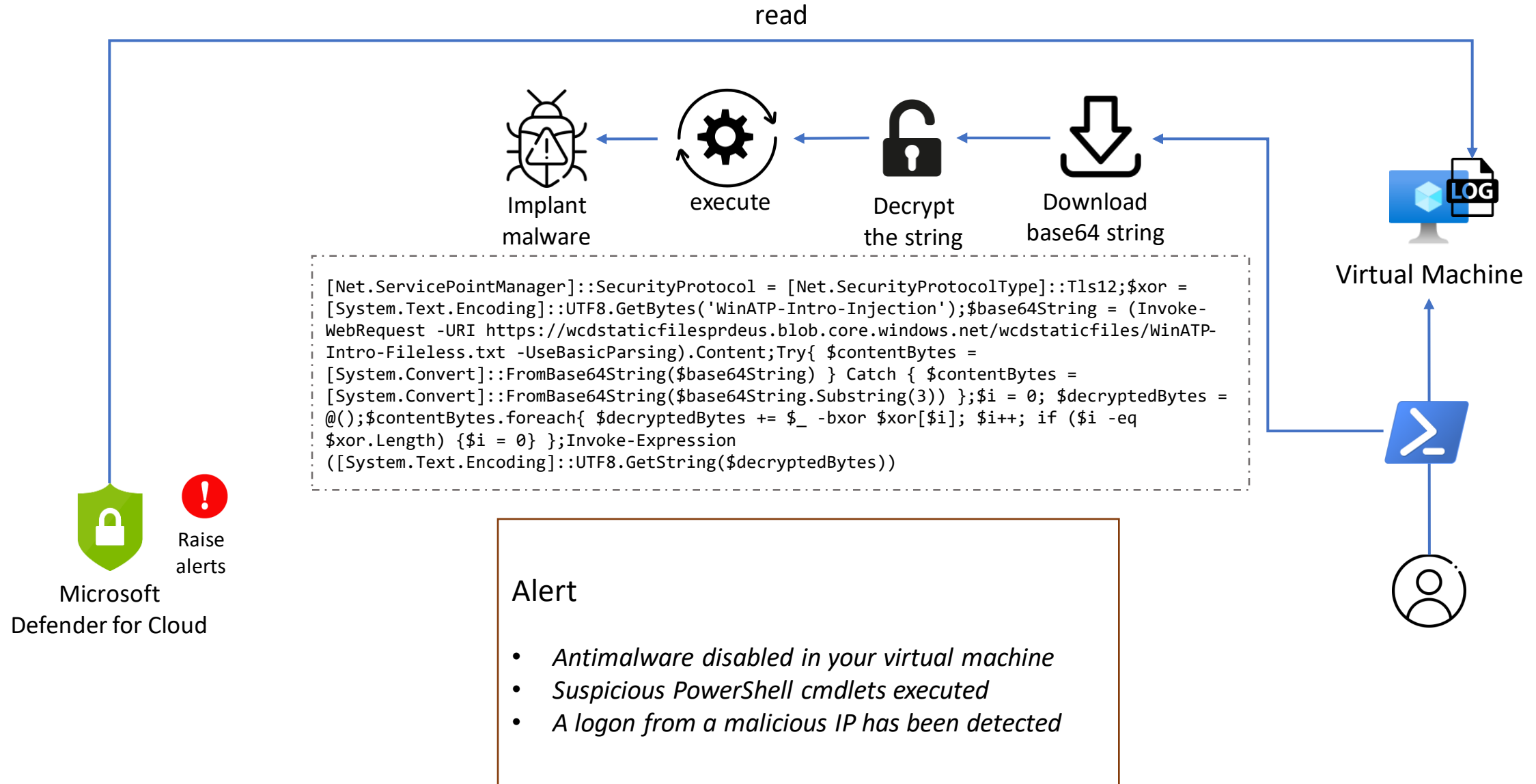
# Protect your Storage





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# Protect your Server

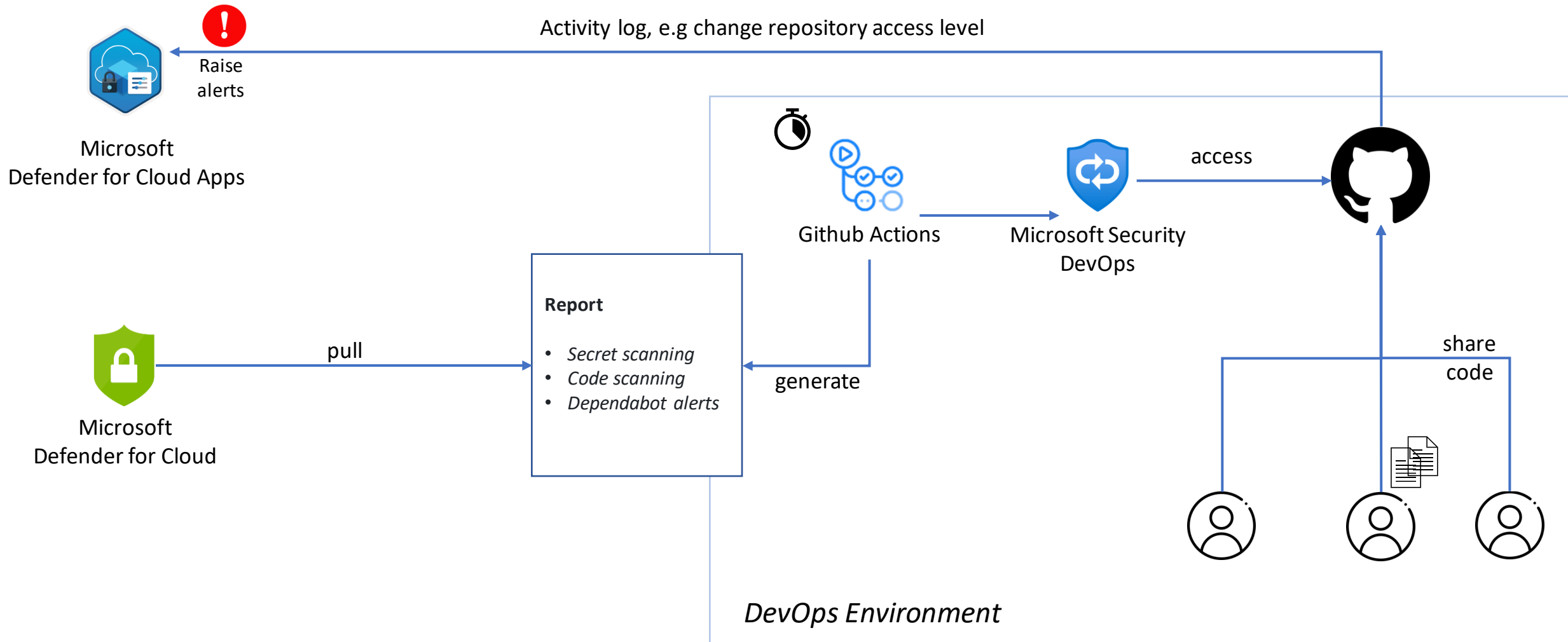






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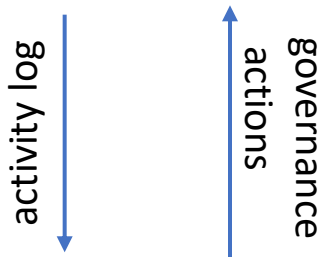
# Protect your DevOps Environment





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# Data Protection with Defender for Cloud Apps



*app connectors*

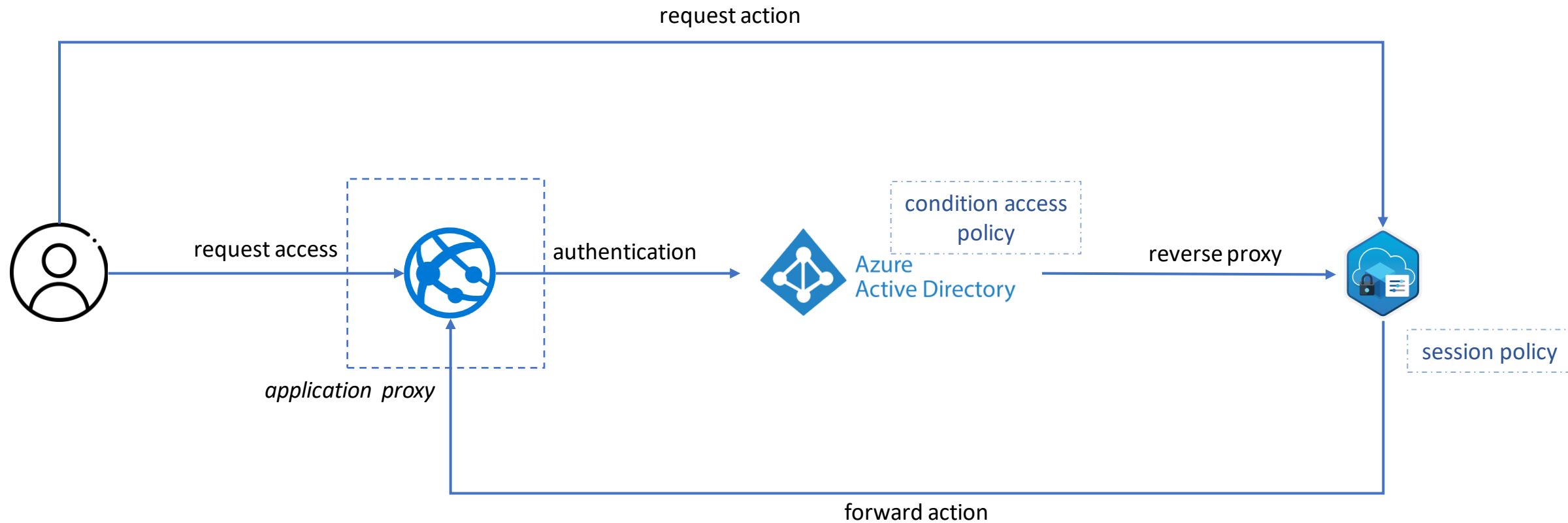


*reverse proxy*



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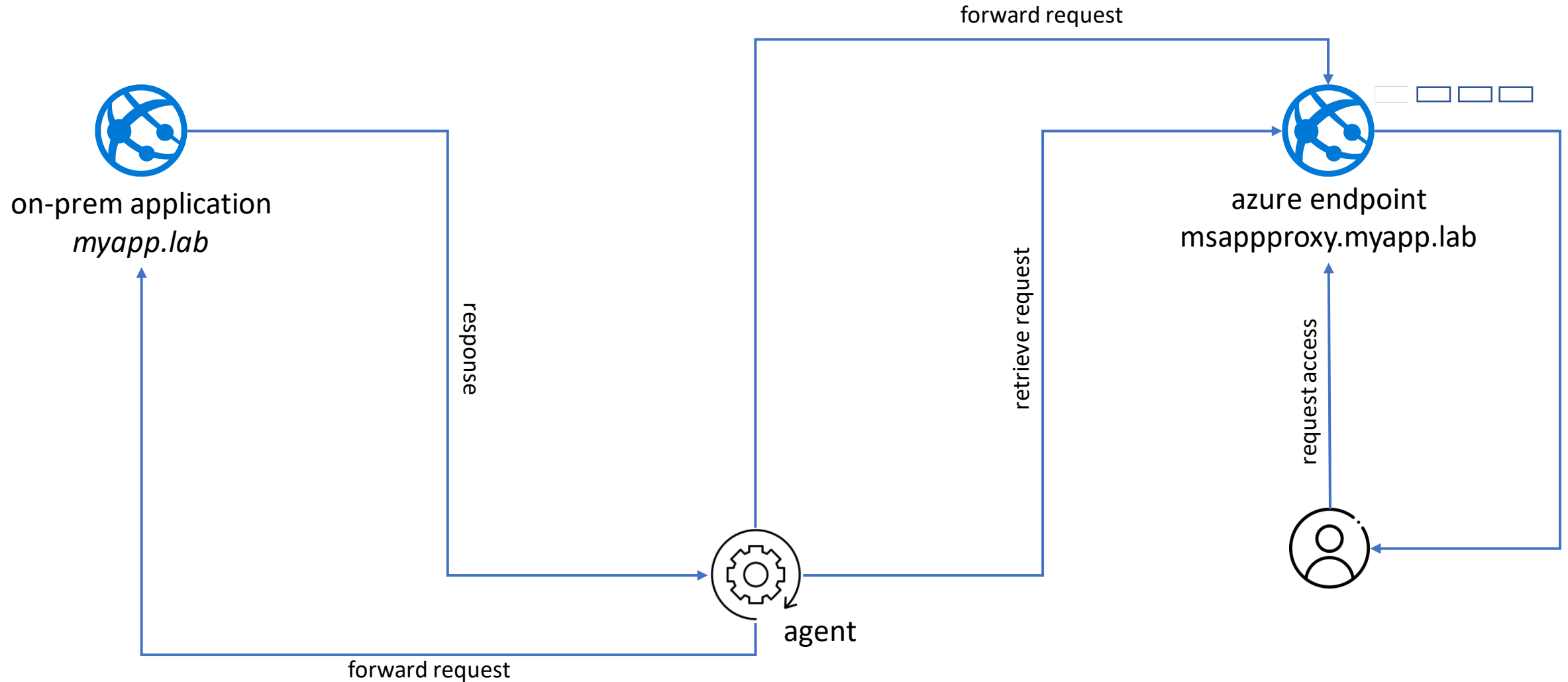
# Reverse Proxy - Defender for Cloud Apps





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# Azure Active Directory – Application Proxy

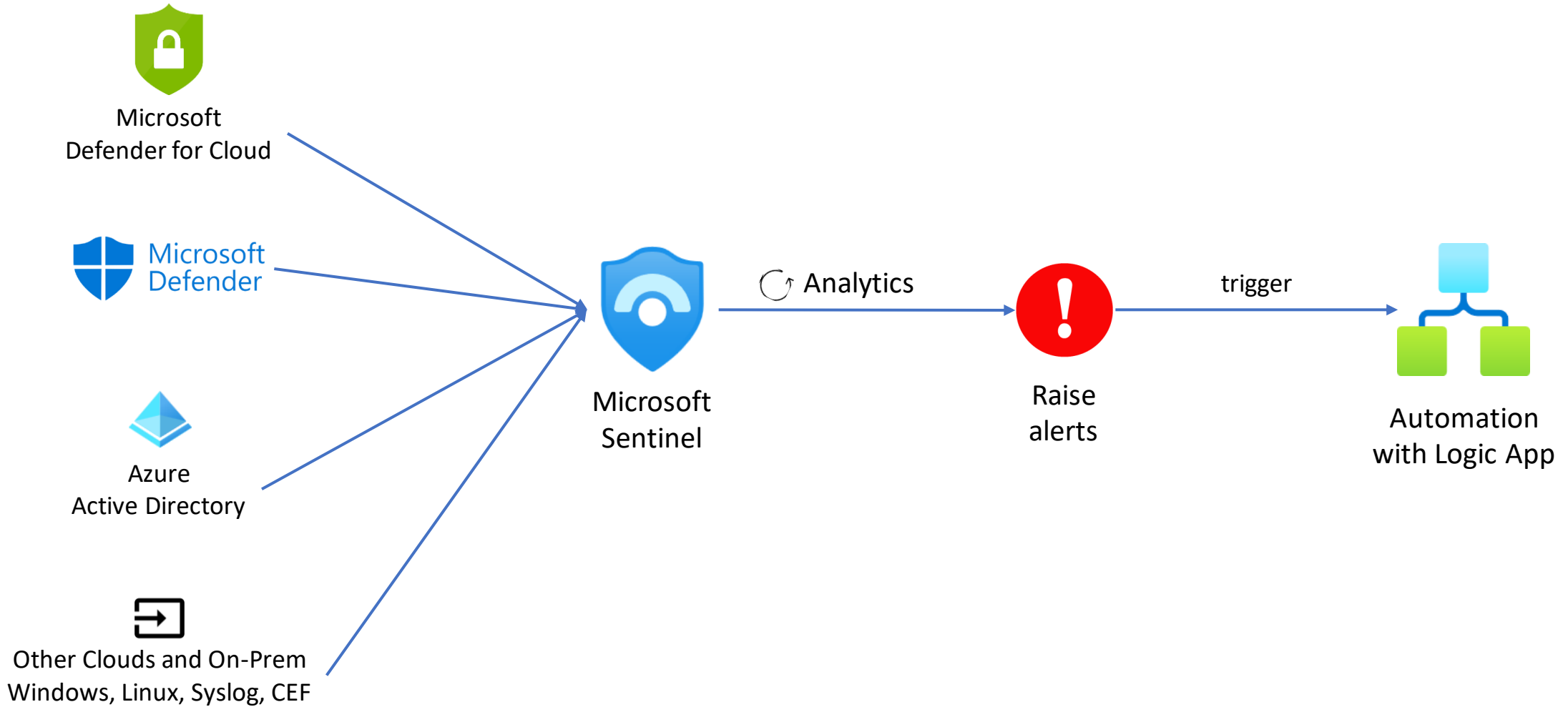






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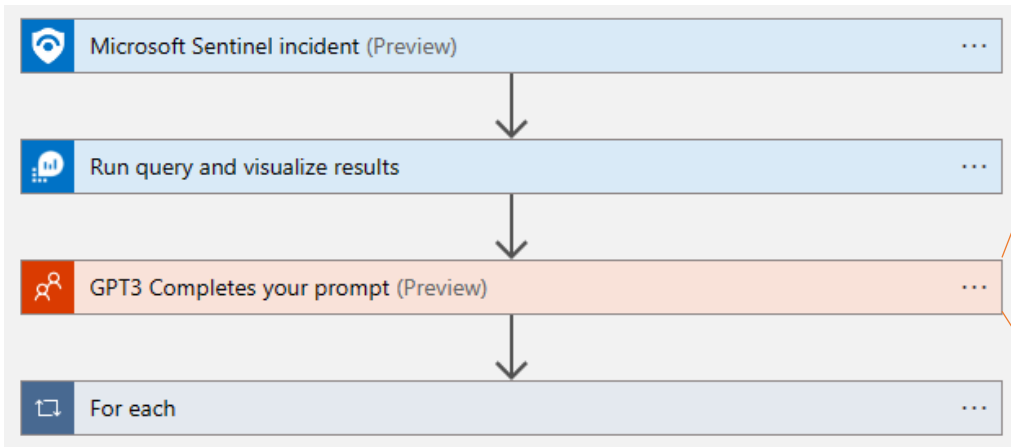
# Microsoft Sentinel





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# Empower your automation with AI



GPT3 Completes your prompt (Preview)

\* Engine

DaVinci - most expensive

\* prompt

The incident report should always include the Incident Summary, Technical Details, and Recommendations. The incident summary should be based on the actions taken as they were described in the comments. The technical details should expand upon the incident summary including as much detail as possible. The recommendations section should include all the recommendations provided in the comments. The recommendations should be listed using bulleted format for easier reading. Additionally, where possible please provide links for the recommendations provided, so anyone that needs to get additional details on how to complete those recommendations can do so. Also, please make sure the incident report includes the contact details for our company. Our company is AzureDay, Inc. Our address is via AzureDay, Rome, IT, 12345. We can be reached via phone at +00000000.

Please generate an Incident Report for an incident with the following details:

Incident Number: Incident Sentinel ID

Incident Description: Incident Description

Incident Date: Incident Created Time Utc

And that has been updated with the following comments:

Attachment Content

Please ensure the answer is provided in HTML format.

inspired by a My Faber Security blog post

<https://myfabersecurity.com/2023/06/03/sentinel-incident-report-using-azure-openai/>



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# Result

## Incident Report

**Incident Number: 10**

### Incident Description:

Someone has uploaded potential malware to your Azure Storage account 'pocazureday'.

### Incident Date:

09/06/2023, 14:06:10

### Comments:

- Please SOC team, it is time to start to investigate about this incident
- This is an EICAR file used for a proof of concept during Azure Day event
- The IP 20.120.60.55 has been added to trusted IP entities

### Incident Summary:

Based on the actions taken as described in the comments, the incident summary is as follows:

An individual uploaded potential malware to the Azure Storage account 'pocazureday'. The uploaded file was identified as an EICAR file, which is commonly used for proof of concepts during events. The IP address 20.120.60.55 was added to the trusted IP entities.

### Technical Details:

The technical details regarding the incident are as follows:

- File: EICAR.txt
- Affected Azure Storage account: 'pocazureday'
- IP address: 20.120.60.55
- Time of upload: 09/06/2023, 14:06:10

### Recommendations:

- Initiate a thorough investigation into the incident to determine the source and extent of potential malware upload.
- Review the access logs and security controls of the Azure Storage account 'pocazureday' to identify any unauthorized access or suspicious activity.
- Consider implementing additional security measures such as enabling Azure Security Center and configuring threat detection policies for the storage account. For more details, refer to the [Azure Security Center documentation](#).

### Contact Information:

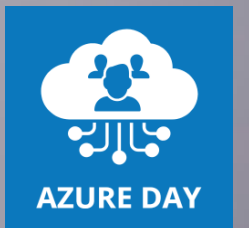
**For further information or inquiries, please contact Azureday, inc. using the following details:**

**Address:** via AzureDay, Rome, IT, 12345

**Phone:** +000000000



# Question Time





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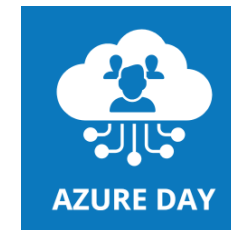
# Thank You!!!



# Thanks to



# Microsoft



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## LXOBRA

## Reti

*Società Benefit*



## Packt>

