Security

Overview

What you need to think about to be successful

RBAC
- Contributor and Reader roles

Activity logs
- Who is doing what in Azure, and when

Azure Security Center

Things to Keep in Mind Regarding Azure Security

Azure conforms with many compliance certs	You can get Microsoft's permission to run pen tests	Control routing behavior
Leverage defense in depth	Consider virtual network security appliances	Enable Azure Security Center

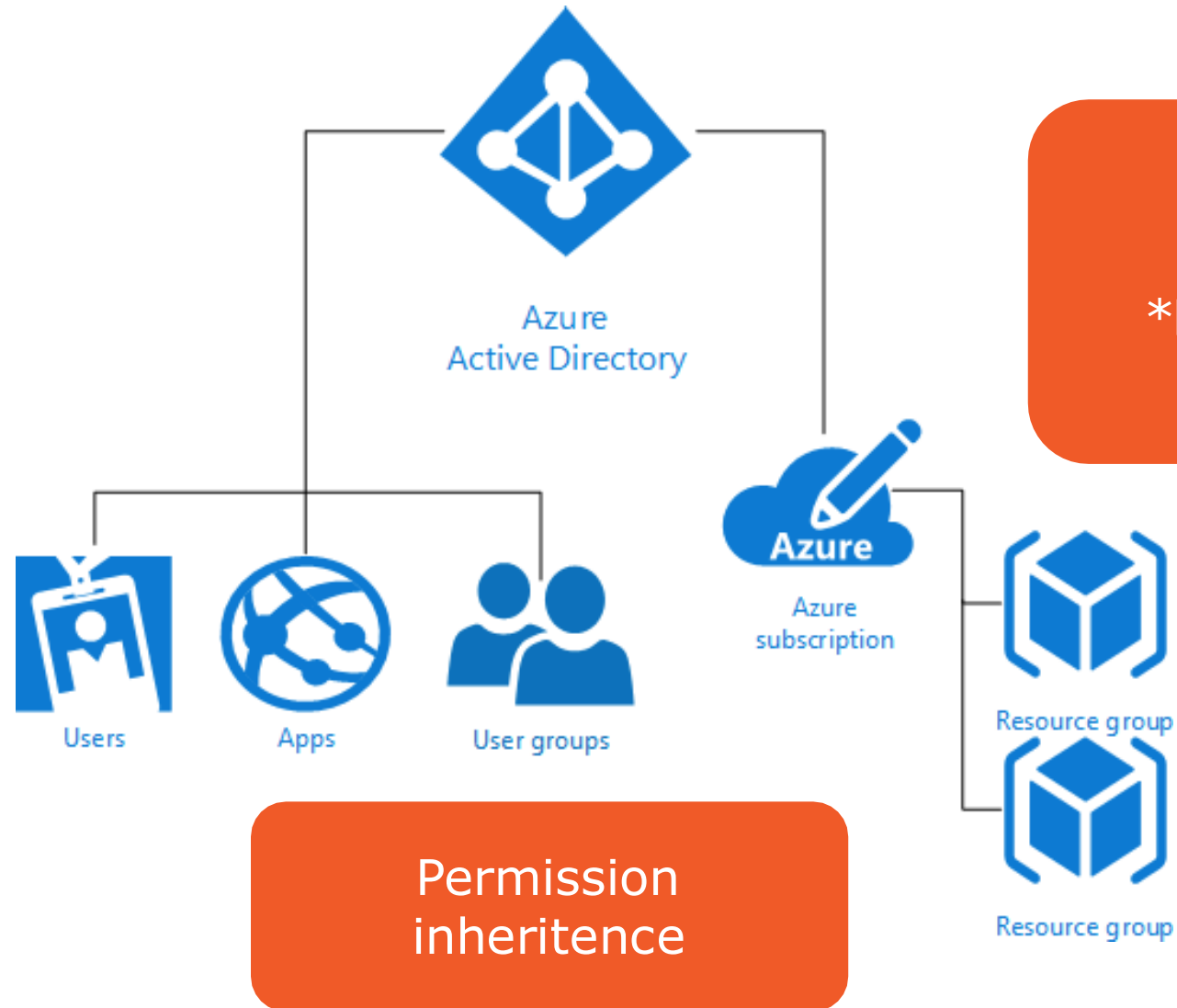# Role-Based Access Control (RBAC)

Access Concepts

Least Privilege

Limiting resource access to what is necessary and no more

Role-Based Access Control (RBAC)

Regulating resource access based on job role

Azure RBAC

Azure Active Directory

Users

Apps

User groups

Azure subscription

Resource group

Resource group

Scoping:
*Subscription
*Resource Group
*Resource

Permission inheritence

Roles

Owner

- • Full access

Contributor

- • Full resource access but no grant/revoke privileges

Reader

- • Read-only resource access

Custom

- • Defined programmatically with PowerShell, CLI, or REST API

Activity Logs

Azure Activity Logs

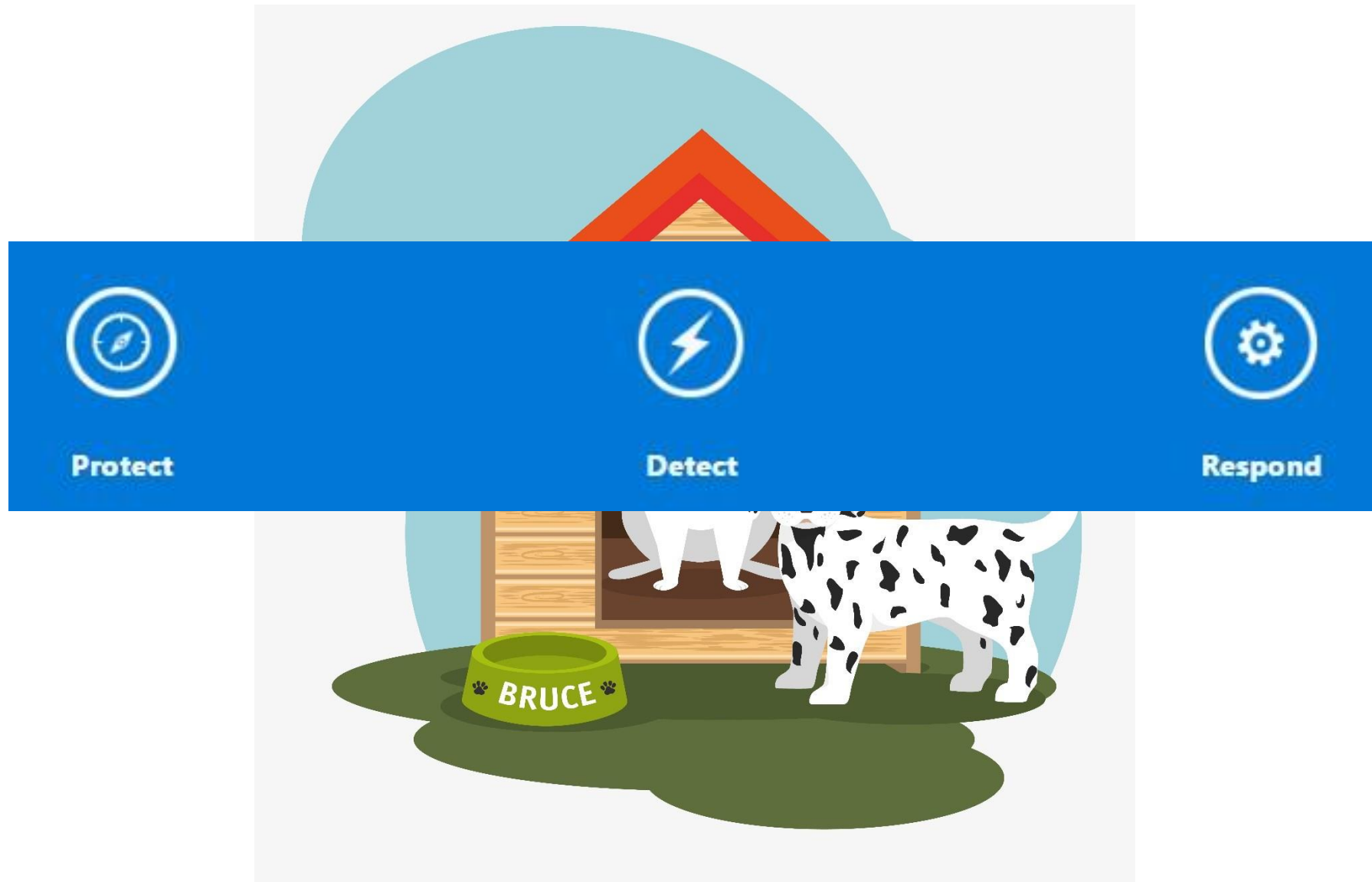Formerly known as "audit logs" or "operational logs"

Report control-plane events in your subscriptions

Separate and distinct from diagnostic logs

Great flexibility in query, report, and export

Azure Security Center

Dogfooding

Demo

1

Show Azure compliance page

Make an Azure AD Reader at the resource group level

Show RBAC
- Azure CLI
- PowerShell

Demo

2

Demo

3

Visit Security Center Pricing page

Test the service in the portal