WEEK 11
GOVERNANCE AND COMPLIANCE Q&A

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Agenda

- Governance and Compliance
- Azure Blueprints
- Azure Policy
- Resource Locks
- Microsoft Purview

GOVERNANCE AND COMPLIANCE

“Governance”

Set of practices and tools that help organizations establish and enforce policies, manage resources, and maintain compliance within their Azure environment.

Scenario 1

Your organization wants to ensure that all virtual machines created in Azure follow a naming convention to maintain consistency.

Scenario 2

Your organization wants to always have daily backup enabled on every server

Solution

Option 1

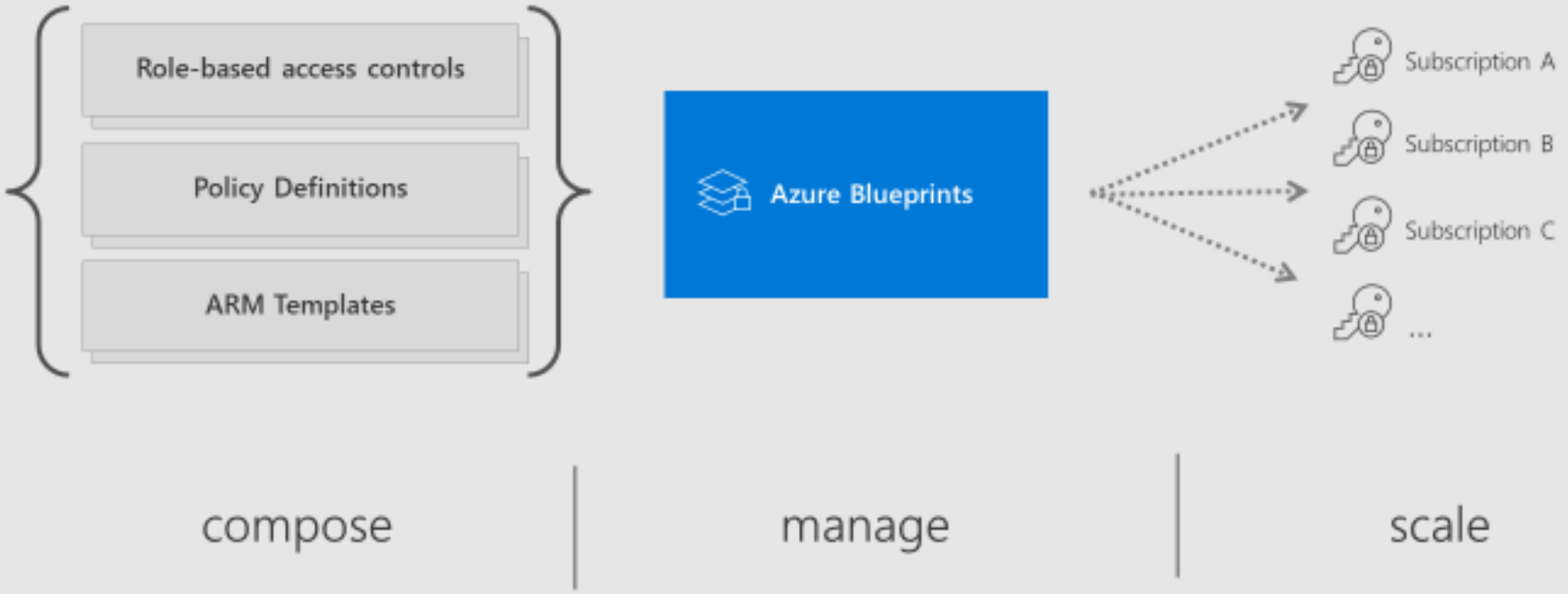
- Create a document that describes your rules
- Send and email with the rules
- Assume that everyone reads it and applies it

Option 2

- Use Azure tools to enforce the rules

Azure Blueprints

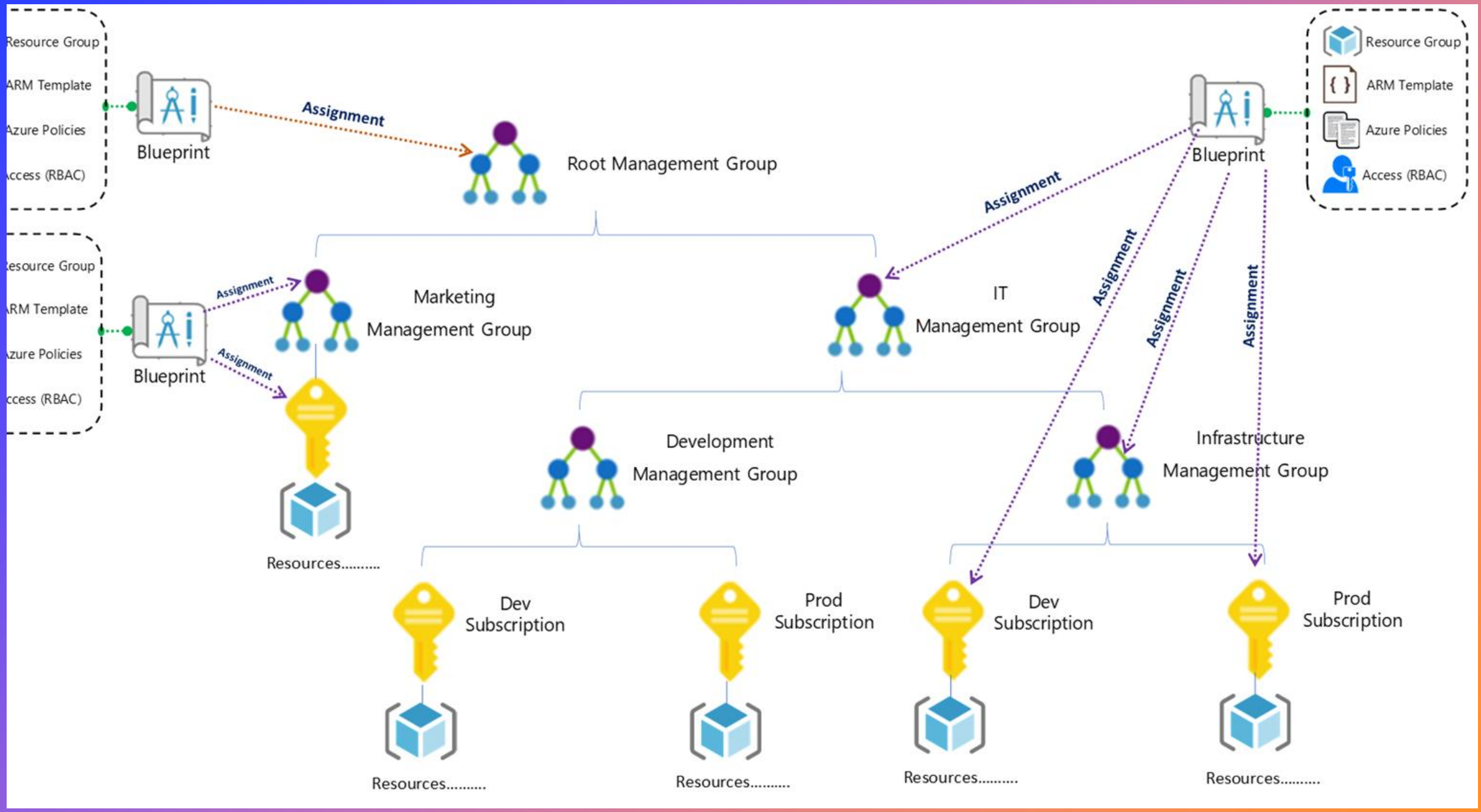
Enabling quick, repeatable creation of fully governed environments



https://learn.microsoft.com/en-us/azure/governance/blueprints/overview

Azure Blueprint

- The only way of assigning a “deny” permission.


Resource Group
ARM Template
Azure Policies
Access (RBAC)
Blueprint
Assignment
Root Management Group
Blueprint
Resource Group
ARM Template
Azure Policies
Access (RBAC)
Assignment
Assignment
Assignment
Assignment
Assignment
Marketing
Management Group
IT
Management Group
Blueprint
Resource Group
ARM Template
Azure Policies
Access (RBAC)
Assignment
Assignment
Development
Management Group
Infrastructure
Management Group
Resources.....
Dev
Subscription
Prod
Subscription
Dev
Subscription
Prod
Subscription
Resources.....
Resources.....
Resources.....
Resources.....

Question

Which of the following statements best describes the relationship between Azure Blueprints and Azure Resource Manager (ARM) templates?

a. Azure Blueprints and ARM templates are interchangeable terms for the same Azure service.

b. Azure Blueprints uses ARM templates as a foundational component for resource deployment.

c. ARM templates are an alternative to Azure Blueprints and serve the same purpose.

d. Azure Blueprints and ARM templates have no direct relationship.

Question

Which Azure service is commonly integrated with Azure Blueprints for advanced policy enforcement and compliance management?

a. Azure Functions
b. Azure Logic Apps
c. Azure Policy
d. Azure Security Center

AZURE POLICY

Create rules across all of your Azure resources

Example of Built-In Policies

- Require SQL Server 12.0
- Allowed Storage Account SKUs
- Allowed Locations
- Allowed Virtual Machine SKUs
- Apply tag and its default value
- Not allowed resource types

Can create custom policies using Json Definitions

Question

Which of the following statements accurately describes an Azure Policy definition?

a. It specifies the allowed values for parameters in a policy assignment.

b. It defines a set of rules that are applied to resources to enforce desired configurations.

c. It determines the order of resource deployment in a subscription.

d. It is a blueprint for the entire Azure subscription.

Question

How does Azure Policy enforce compliance within an Azure environment?

a. By automatically fixing non-compliant resources.
b. By blocking the deployment of non-compliant resources.
c. By generating compliance reports for manual review.
d. By sending compliance alerts to administrators.

Question

Which Azure service works closely with Azure Policy to provide governance and compliance management?

a. Azure Functions
b. Azure Logic Apps
c. Azure Active Directory
d. Azure Blueprints

Question

How does Azure Policy support custom policy creation?

a. By providing pre-defined policies only.
b. By allowing direct editing of ARM templates.
c. By using the Azure Policy Visual Studio Code extension.
d. By integrating with Azure Resource Manager templates.

Question

What is the purpose of the "Policy Assignment" in Azure Policy?

a. To define a new policy rule.

b. To create a custom initiative.

c. To associate a policy with a specific scope like a subscription or resource group.

d. To enforce policies on non-compliant resources.

Question

In Azure Policy, what does the "Append" effect do?

a. Adds additional parameters to a policy definition.
b. Appends a new policy definition to an existing initiative.
c. Merges with existing compliance data for a resource.
d. Adds new policies to the policy store.

Resource Locks

1. Read only lock
2. Can not delete lock

https://www.quest.com/solutions/active-directory/what-is-active-directory.aspx

THANK YOU

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