

Implementing Azure Access and Governance Tools



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Overview



Discuss the importance of governance tools

Introduce Azure policy and initiatives

Introduce Azure blueprints

Demonstrate Azure governance tools

Governance tools enforce policies

- Enforcing a list of Azure features that can be used
- Enforcing a security standard



Why Do We Need Governance Tools?

Enforce our security requirements

We will have mapped out our security requirements. Governance tools give us a way to enforce some of these requirements

Enforce our technical requirements

We will have standard sizes, builds and configurations that we will wish to enforce



Azure Tags

Key/value pairs assigned to resources

Organizations should have a tagging policy enforced by Azure policies

Tags can be used

- To enforce security requirements
- To control costs
- To deploy software



Azure Policy and Initiatives



What Is Azure Policy?

Azure policy is a collection of rules

Each policy is assigned to a scope such as an Azure subscription

Using Azure policy means that resources will remain compliant with corporate standards

Using Azure policy

- Policy definition
- Policy assignment
- Policy parameters



What Are Initiatives?

- Initiatives are a collection of policies**
- Policies in an initiative are grouped to achieve a larger goal**
- Initiatives are assigned to a scope such as a resource group**
- Using initiatives**
 - initiative definition
 - initiative assignment
 - initiative parameters



Built-in Policies

Storage accounts

Defines which storage SKU sizes can be used

Resource types

Defines which resource types can be used

Allowed locations

Restrict locations that can be used

Enforce tags

Enforces a required tag

Virtual machine SKUs

Specifies a set of Virtual Machine SKUs that can be deployed



Think about your teams and the resources they will need to work with. Use Azure Policy to allow these resources



Globomantics' Requirements



GLOBOMANTICS

Globomantics wishes to restrict the use of Virtual machines to one specific SKU

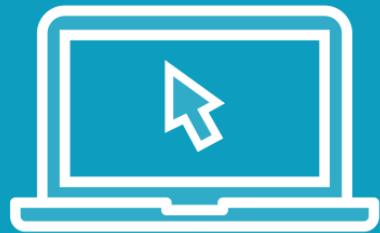
Globomantics wishes to enforce the use of a departmental tag

Globomantics has asked us to

- Create the required policies
- Create the required Initiatives
- Apply the initiatives



Demo



**Work with Azure policies and initiatives
to enforce governance controls**



Azure Blueprints



What Are Azure Blueprints?

Blueprints are a way of orchestrating the deployment of resource templates and artifacts

Blueprints maintain a relationship with the deployed resources

Blueprints include Azure policy and initiatives as well as artifacts such as roles

Using Blueprints

- Blueprint definition
- Blueprint publishing
- Blueprint assignment



Blueprint Definition

Resource groups can be defined and created

Azure resource manager templates can be included to deploy resources

Azure policy can be included to enforce compliance

Roles can be assigned to resources that blueprints have created



Azure Advisor Security Assistance



What Is Azure Advisor Security Assistance?

Azure advisor integrates with Azure security center

Advisor security assistance helps prevent, detect and respond to threats

You should be using this tool everyday

Configuration is managed through security center



Demo



[Work with Azure blueprints](#)

[View Azure advisor security assistance](#)



Summary



You learned the importance of Azure governance tools

You learned how to use Azure policies, initiatives and blueprints

You learned the benefit of regularly using Azure advisor security assistance

In the next module

- Securing Azure virtual networks

