AZURE 900 CLOUD FUNDAMENTALS

Microsoft Certification AZ-900: Data Governance Services

AZURE DATA GOVERNANCE SERVICES

AZURE ROLE BASED ACCESS MANAGEMENT

Concepts

- Fine grained access management
- Grant users rights needed to perform specific jobs
- No additional cost to Azure subscribers

Best Practices

- Segregate duties within teams
- No unrestricted access
- Certain actions allowed at scope level
- Grant lowest privilege required to complete a task

Usage

- Access permissions under Access Control (IAM): who has access & their role. Grant/remove access.

AZURE BLUEPRINT

- Enable cloud architects to define repeatable set of Azure resources that implement and adhere to an organization's standards, patterns, and requirements
- Rapid build and deploy new environments in a declarative way an includes role/policy assignments, ARM templates and resource groups
- ARM deploys resources without active relationships
- Blueprint deploys resources with relationship (what should/was deployed) for auditing & tracking

AZURE POLICY

Concepts

- Create, assign & manage policies
- Enforce different rules over resources to be complaint to corporate standards & service-level agreements (SLAs)

Features

- Evaluate resources for non compliance
- Built-in policies for Storage, Networking, Computer, Security and Moniroting
- Integrate with Azure DevOps for delivery pipelines
- Auto remediate non-compliant resource and configurations

Implement

- Policy definition: what to evaluate & action to take (SKUs, resource type, location)
- Policy scope: Implement and assign to resources (management or resource group)
- Initiative definition: Track larger goal compliance
- Assigned per scope, limits creating several policies for each scope

RESOURCE LOCKS

- Prevent accidental deletion or modification of Azure resources
- Managed from Azure portal
  - CanNotDelete: Authorized admins can read and modify the resource, cannot delete.
  - ReadOnly: Authorized admins can read resource, cannot update/delete (similar to Reader role)
- Locks must be removed before an action can be performed on resource, regardless of RBAC

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