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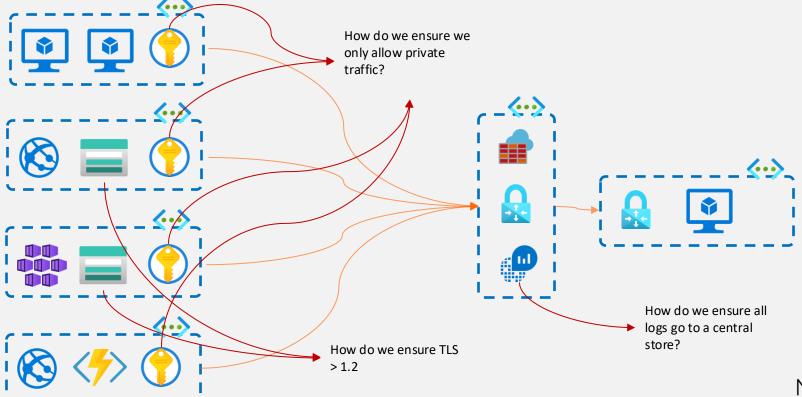
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Govern your Azure environment through Azure Policy





Why use Azure Policy?







What is Azure Policy?



It helps organizations establish and maintain governance standards by defining and enforcing rules and best practices for resource configurations.

Governance Framework



Azure Policy operates on a rule-based system, where policies are authored using JSON and consist of conditions and effects.

Rule-Based Enforcement



Azure Policy provides monitoring and reporting capabilities to track compliance status across the Azure resources.

Compliance and Reporting



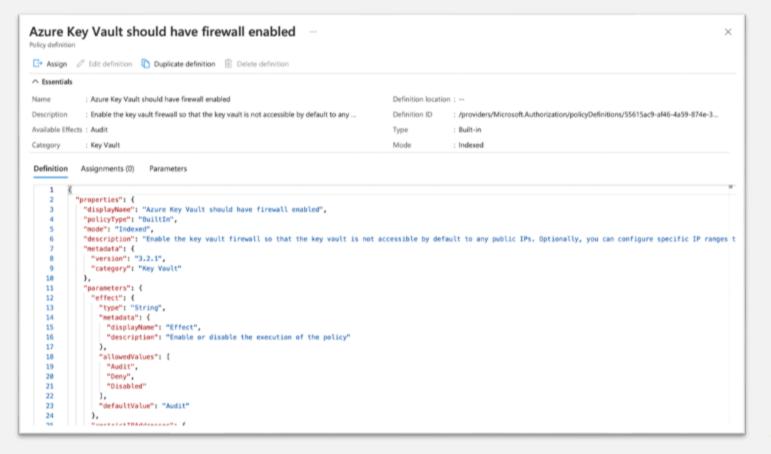
Azure Policy is designed to scale across large and complex Azure environments, offering centralized policy management.

Scalable and Centralized





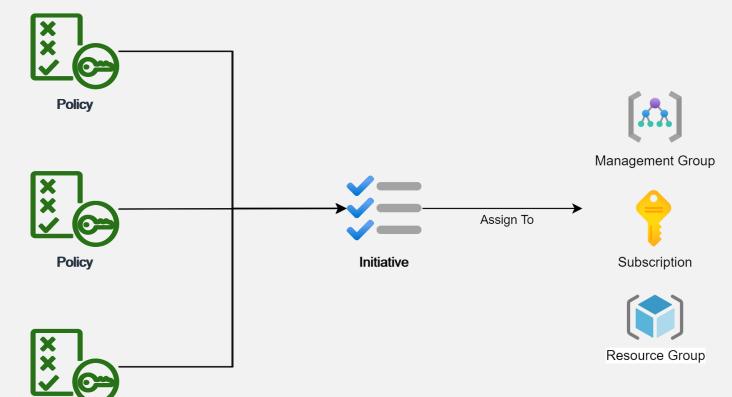
Policy Definition Sample







Policy Assignment

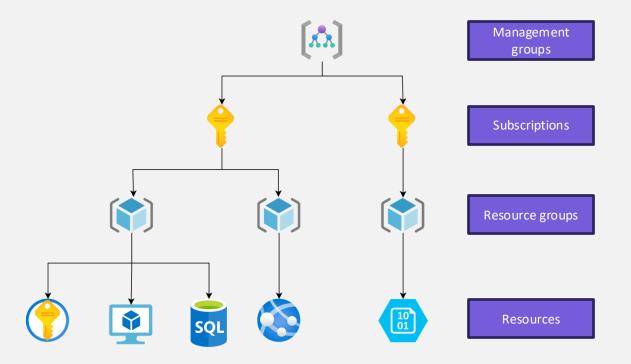




Policy



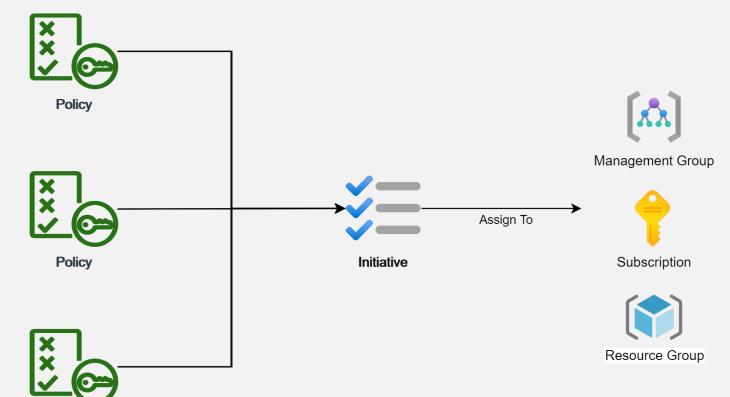
Azure Deployment Scope







Policy Assignment





Policy

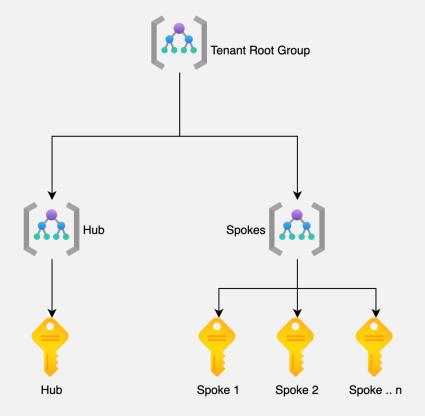


DEMO





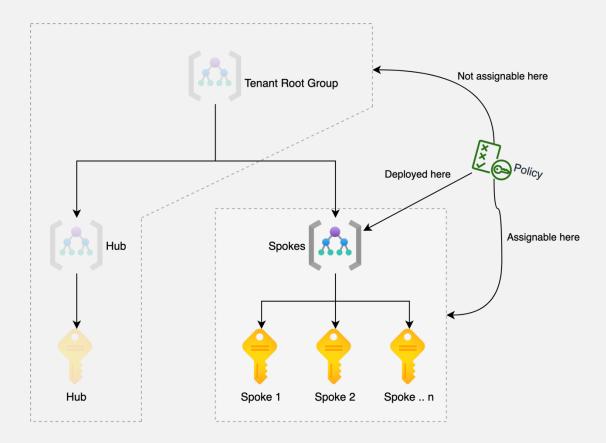
Definition location and Assignable scope







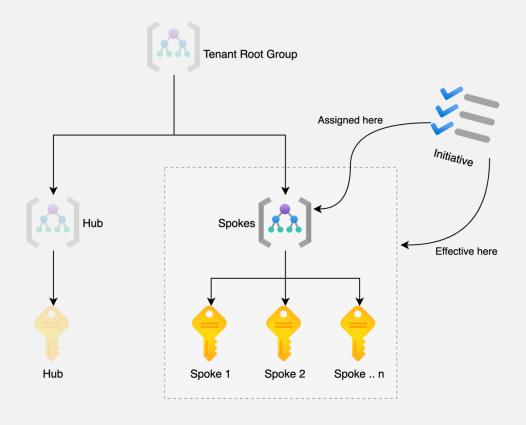
Definition location







Assignment scope







DEMO





Policy Effects

The policy rule is defined but not enforced, allowing resources t The auditlfNotExists effect enables auditing of resources related to the resource. modified without compliance checks. 47777 Audit AuditIfNotExists Disabled Deny DenyAction DeployIfNotExists Modify Append

Used to block requests based on intended action to resources. The only supported action today is DELETE.

purce violates the policy rule, the existing properties or elements are modified to bring it into compliance.

DEMO





Remediation

DeployIfNotExists or **Modify**

Uses a managed identity



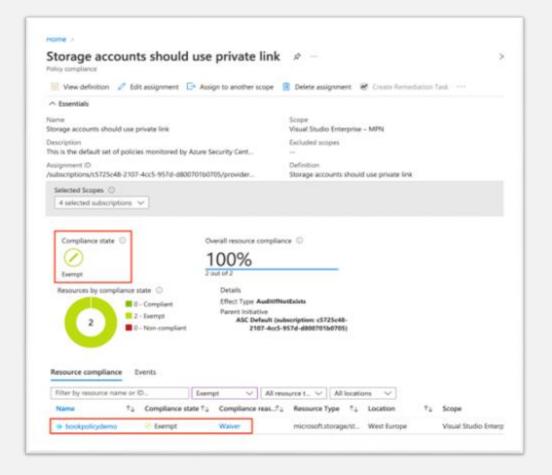


DEMO





Exemptions







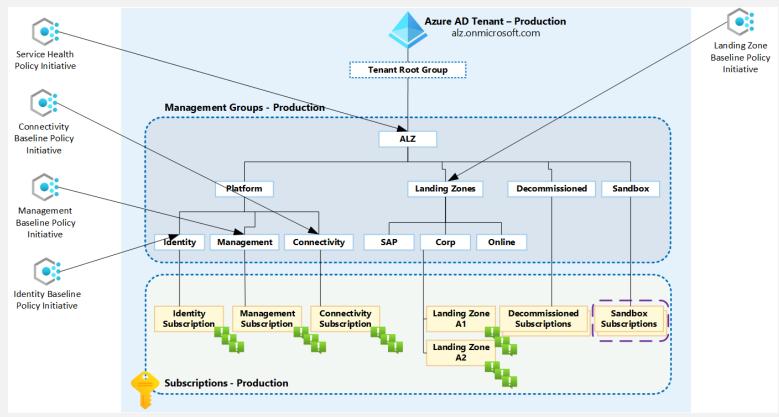
Exemptions

Basics Advanced Review + create		
1 Policy exemption is now available! For pricing details, see https://aka.ms/policypricing		
Policy exemptions are used by Azure Policy to exempt a resource hierarchy or an individual reso	urce fro	om evaluation of initiatives or definitions.
Exemption scope * ①		
Toma Toe Pizza Non-prod		
Assignment name ①		
demo-allowed-locations-without-parameters-audit		
Exemption name * ①		
Toma Toe Pizza Non-prod - demo-allowed-locations-without-parameters-audit		
Exemption category * ①		
Waiver		
Waiver		he exemption is granted because the no
Mitigated		
Set an expiration date for the exemption		
Please be aware the policy assignment will take effect again when the policy exemption expires.		
Expiration date ①		
DD-MM-YYYY		h:mm AM
Exemption description ①		
Created by		





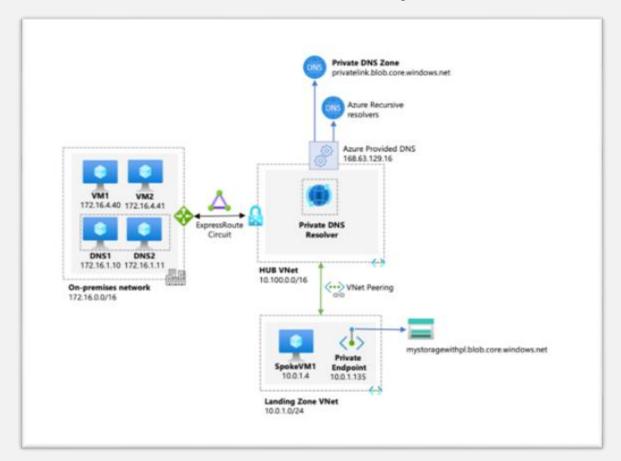
Real-life examples







Real-life examples







References

- https://github.com/xebia/azure-policy-session-files
- https://xebia.com/blog/azure-policy-unveiled-ignite-your-cloudmanagement-passion
- https://www.manning.com/books/azure-infrastructure-as-code
- https://www.azadvertizer.net/azpolicyadvertizer_all.html



Shameless plugs



Understanding Azure Virtual WAN and lessons learned 8.30 | Room 5



Smooth Sailing to Azure: Streamlining Datacenter Workload Migration 11.10 | Room 5



Thanks!





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