

November 13-15, Oslo Spektrum

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Azure Architect

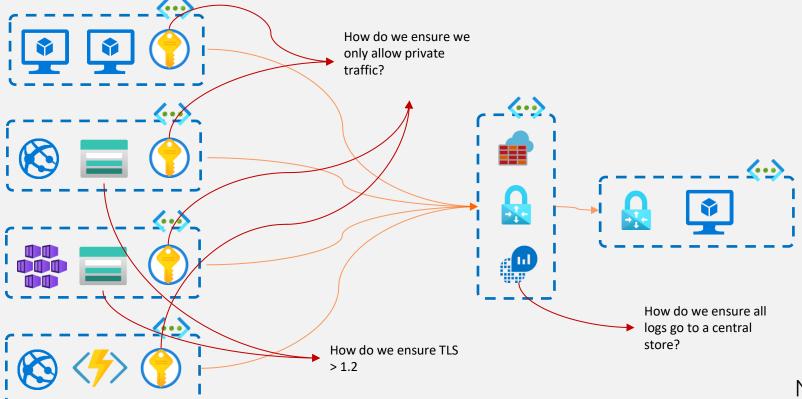
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Govern your Azure environment through Azure Policy





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



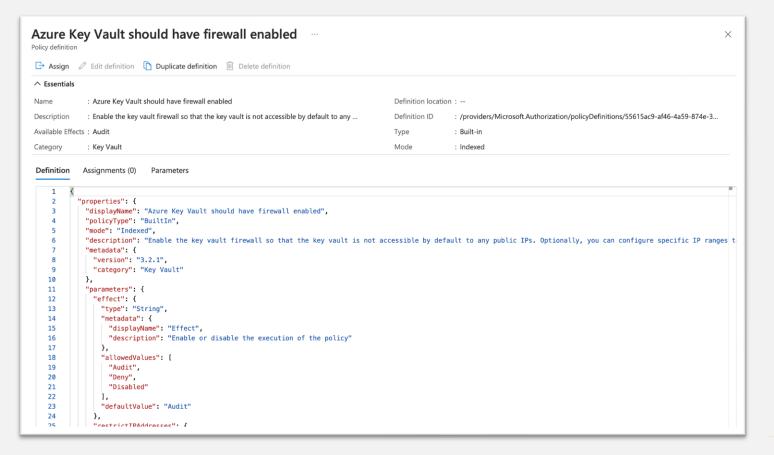
Azure Policy is designed to scale across large and complex Azure environments, offering centralized policy management.

Scalable and Centralized





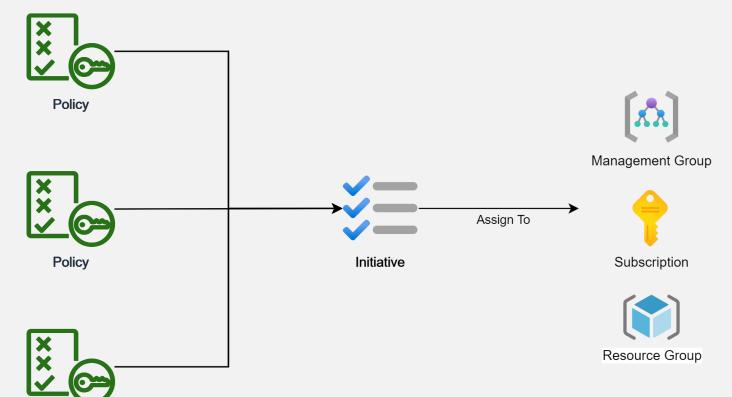
Policy Definition Sample







Policy Assignment

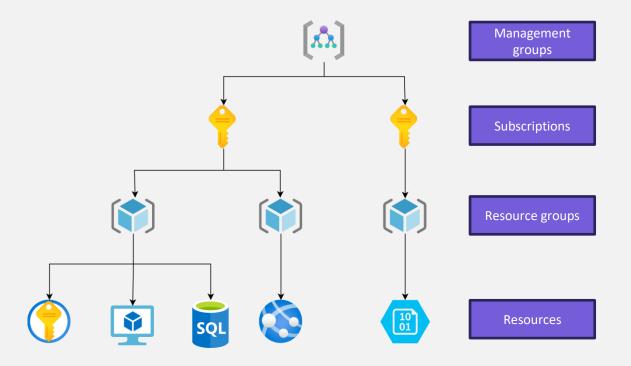




Policy



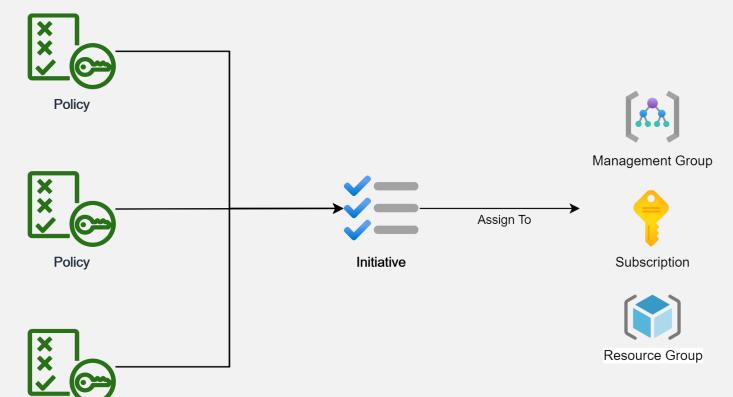
Azure Deployment Scope







Policy Assignment





Policy

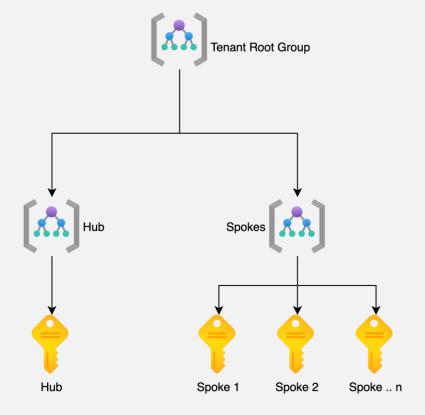


DEMO





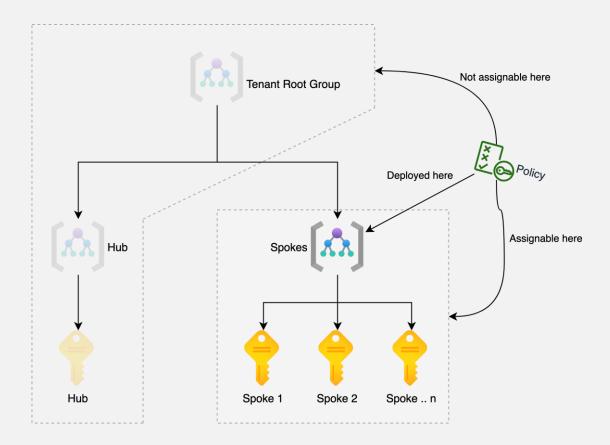
Definition location and Assignable scope







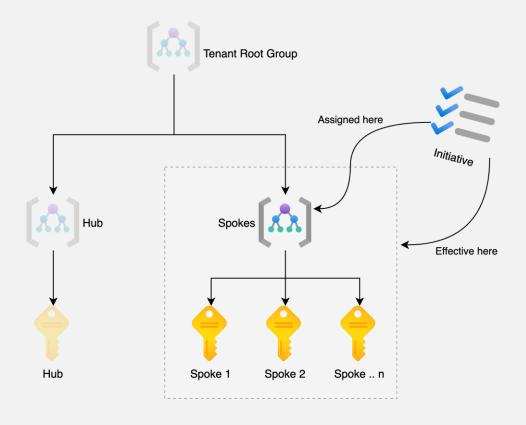
Definition location







Assignment scope





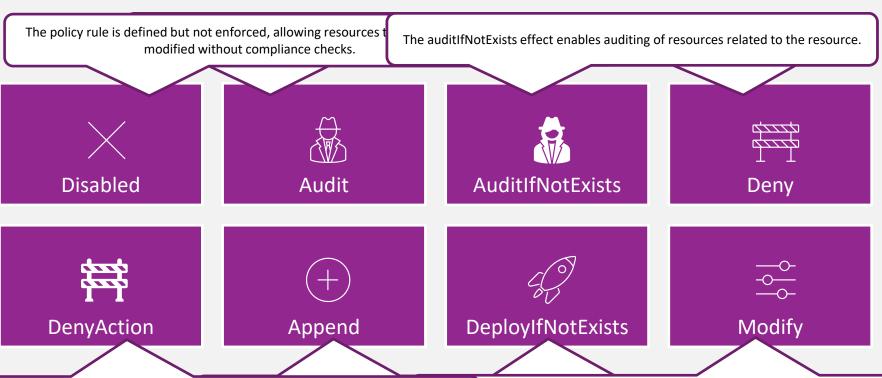


DEMO





Policy Effects



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



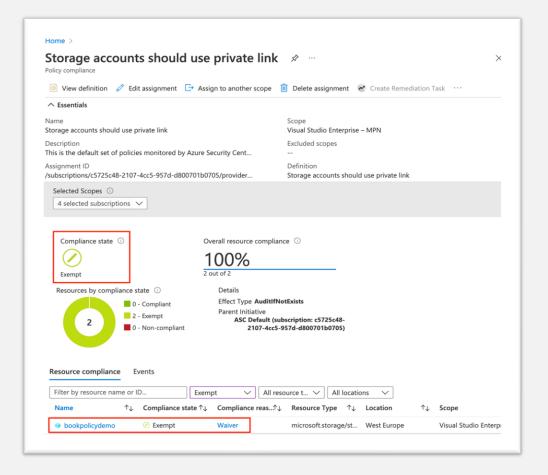


DEMO





Exemptions







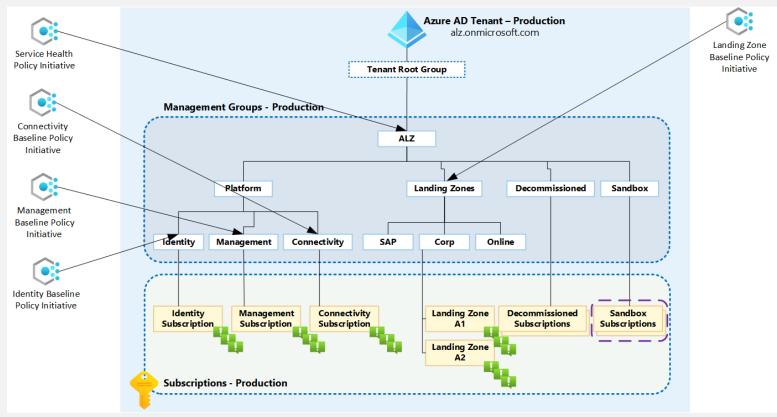
Exemptions

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 resource	e from 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	
Toma toe Pizza Non-prod - demo-allowed-locations-without-parameters-addit	
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	
Exception description of	
Created by	





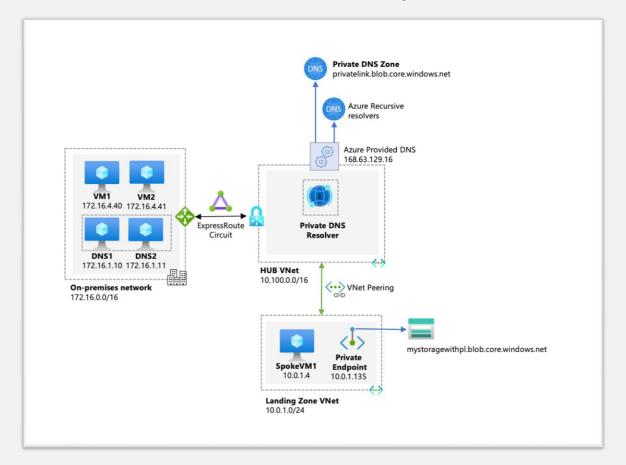
Real-life examples







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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