

Azure Policy and Azure DevOps

Better together?!



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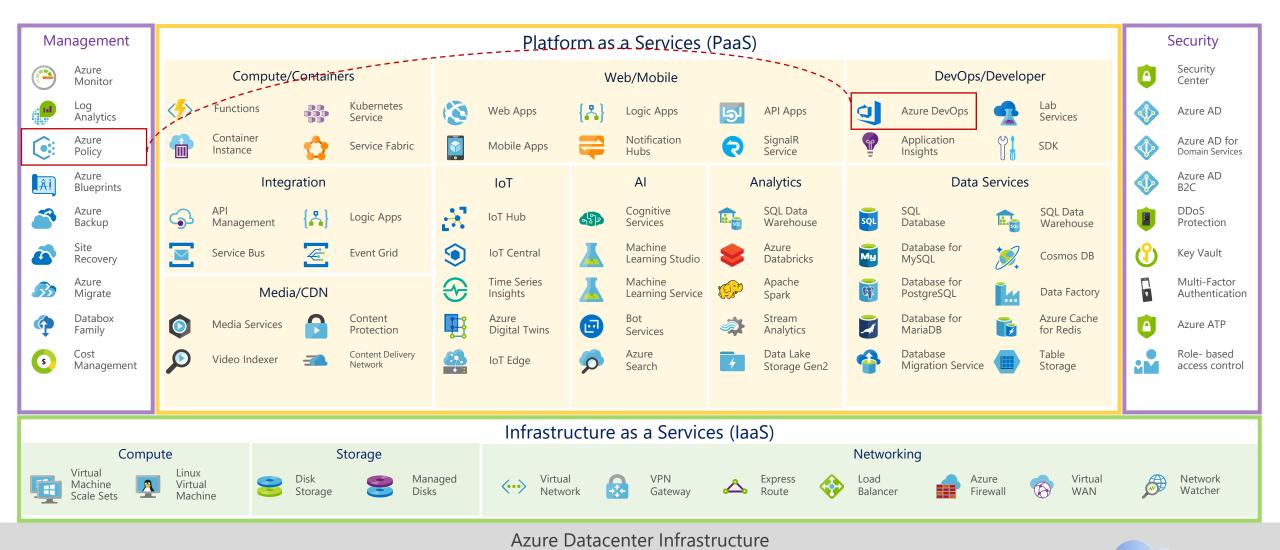


- Azure Governance Recap
- Azure Policy Overview
- Azure DevOps Overview
- Policy & DevOps
 - Template Validation Pipeline
 - Pre- and Post-Deployment Tasks
 - Policy as Code
 - Policy Deployment



Azure Services Overview





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Cloud Governance - Definition



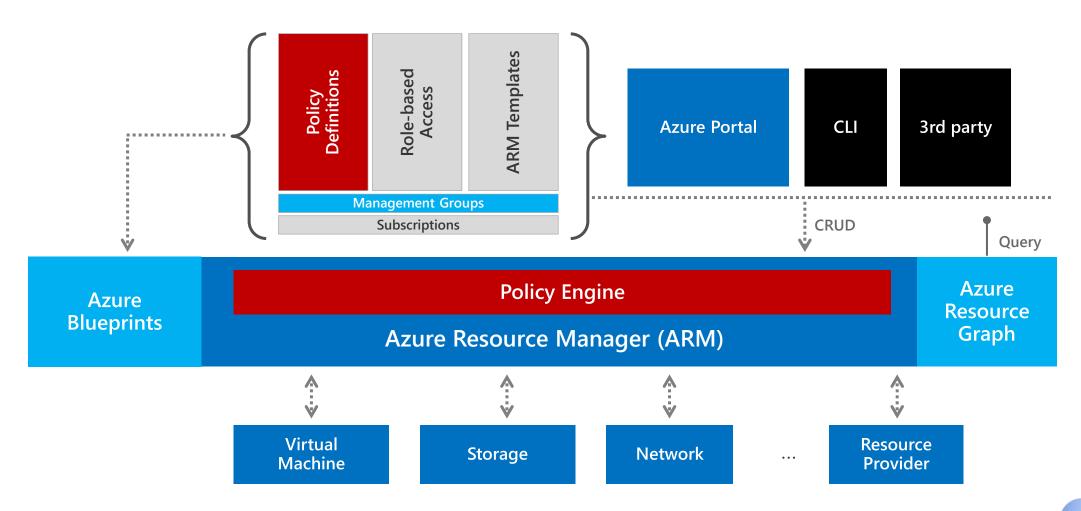
ESTABLISHMENT of POLICIES, and continuous MONITORING of their proper IMPLEMENTATION, by the members of the governing body of an organization. [...]

Source: www.businessdictionary.com



Azure Governance Architecture









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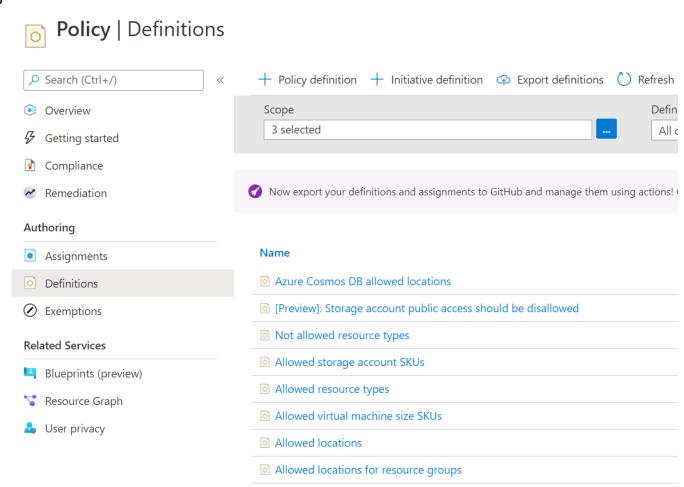
Resource Policies



- Set on Management Groups, Subscriptions or RGs
- Policy is the "Allow" or "Define" System
- Works with if-then conditions
- Created via JSON

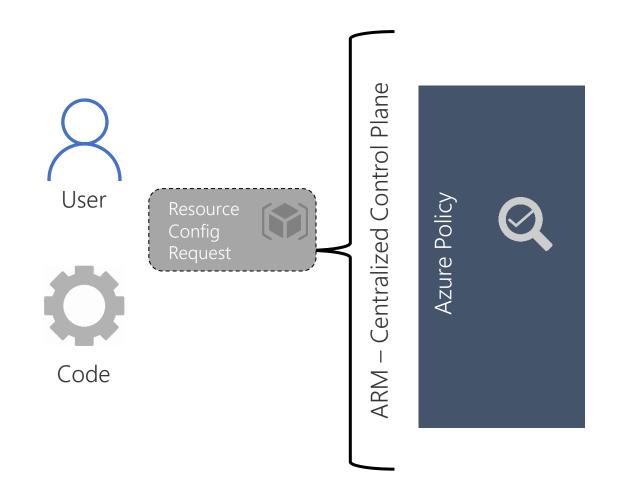
Actions:

- Append
- Audit
- AuditIfNotExists
- Deny
- DeployIfNotExists
- Disabled
- Modify



How does the processing work?





Order of evaluation

Resource

- I. DISGOICG
- 2. Append / Modify
- 3. Deny
- 4. Audit

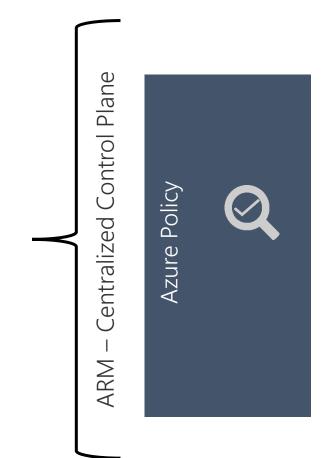


How does the processing work?











- 4. DeployIfNotExists
- 5. AuditIfNotExists





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Deliver with Azure DevOps





Azure Boards



Azure Repos



Azure Pipelines



Azure Artifacts



Azure Test Plans



Azure DevOps Pricing



Open Source Projects

- Azure Pipelines
 - 10 free parallel jobs with unlimited minutes
 - 1 Microsoft-hosted job up to 1800 minutes
 - 1 self-hosted job unlimited time
- Azure Boards
 - Work item tracking and Kanban boards
- Azure Repos
 - Unlimited private Git repos
- Azure Artifacts
 - 2 GiB free per organization
- Azure Test Plans

First 5 user free 5,06 € per user / month

Basic Plan

- Azure Pipelines
 - 1 Microsoft-hosted job up to 1800 minutes
 - 1 self-hosted job unlimited time
- Azure Boards
 - Work item tracking and Kanban boards
- Azure Repos
 - Unlimited private Git repos
- Azure Artifacts
 - 2 GiB free per organization

First 5 user free 5,06 € per user / month

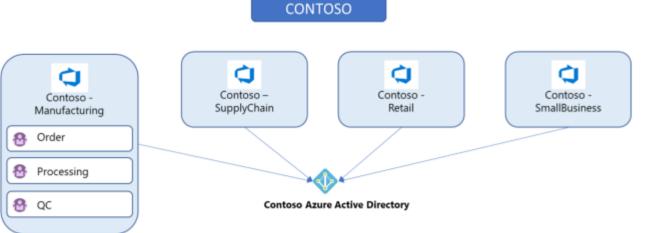
Basic + Test Plans

- Azure Test Plans
 - Test planning, tracking & execution
 - Browser based tests with annotation
 - Rich-client test execution
 - User acceptance testing
 - Centralized reporting
- Azure Pipelines
- Azure Boards
- Azure Repos
- Azure Artifacts

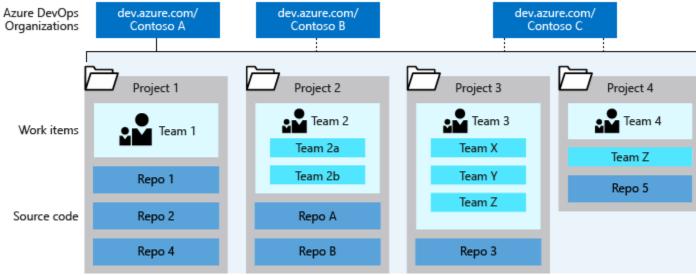
43,86 € per user / month



DevOps Organizations and Projects



Your company (using a common Azure Active Directory)





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- Azure Governance Recap
- **Azure Policy Overview**
- Azure DevOps Overview
- Policy & DevOps
 - Template Validation in Pipeline
- Implement Azure Policy as Code with GitHub





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Big thanks to our sponsors







Thank you!



LinkedIn Learning Course (DE):

https://www.linkedin.com/learning/microsoft-azure-policy-fur-devops