

Securing and Controlling Resource Groups



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Four Mechanisms



Azure Resource Tags

- Organize resource groups

Resource Locks

- Save resources from accidental deletion and changes

Access Control (IAM)

- Grant access to resources

Azure Policy

- Enforce rules on resources

Azure Resource Tags

Logically organize resources. Each tag has a name and a value. Allows related resources from different resource groups to be identified. Organize by billing and management.



Tag Rules

Tags are NOT
inherited

15 tag name/value
pairs

Names can't contain
these characters: <,
>, %, &, \, ?, /

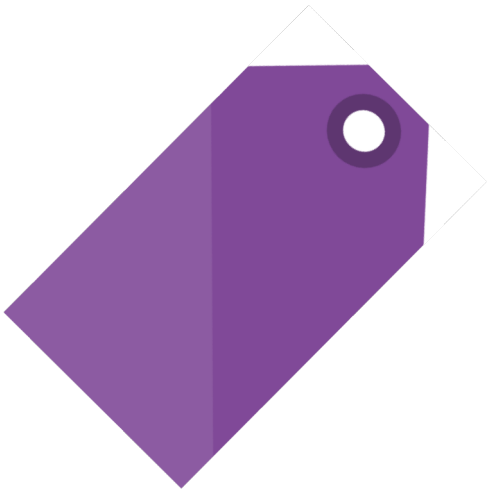
Tags can't be applied
to classic resources

Tag name is limited
to 512 characters

Tag value is limited
to 256 characters



Tags



plaz-net-rg

- Dept: IT, Owner: InhoffBehili

plaz-prod1-rg

- Dept: IT, Owner: SusanBerlin

plaz-dev-rg

- Dept: Research, Owner: BradCocco,
CostCenter: Research

plaz-app1-rg

- Dept: IT, Owner: BradThomas



Resource Groups Locks

Prevent accidental deletion or changes to resources in resource groups. Consists of two locks: CanNotDelete and ReadOnly.



Locks



plaz-net-rg

- ReadOnly

plaz-prod1-rg

- CanNotDelete

plaz-dev-rg

- None

plaz-app1-rg

- ReadOnly



Access Control (IAM)

A system that provides fine-grained access management of resources in Azure. Grant only the amount of access to users needed to perform their jobs



Access Control (IAM)



plaz-net-rg

- Inhoff = Owner
- IT Group = Contributor

plaz-prod1-rg

- Susan = Owner
- IT Group = Contributor

plaz-dev-rg

- Jenn = Reader
- Research Group = Owner

plaz-app1-rg

- BradT = Owner
- IT Group = Virtual Machine Contributor



Azure Policy

Allows you to manage and prevent IT issues with policy definitions that enforce rules and effects for your resources. Policies allow you to keep compliant with corporate standards and SLAs.



Policies



plaz-net-rg

- Only network resources

plaz-prod1-rg

- Only East US location

plaz-dev-rg

- None

plaz-app1-rg

- No additional resources can be added

