Organization Policy

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Organization Policy

- Enforcing organizational standards and compliance at scale is not simple

- Quite important in the cloud

- Role-based access helps a little, but not enough

Organization Policy

- Examples:

  - All VMs should be deployed in a specific region

  - Only specific types of VM are allowed to be built

  - Labels must be specified on all resources

  - Cloud Run should have specific ingress settings

Organization Policy

- Organization Policy is the mechanism for that

- It allows:

  - Defining constraints

  - Assigning the policies to organization, folder or project

- Descendant resources inherit the policy

- Is free

Constraints

- Restrictions against a cloud service

- Define the behavior that's controlled on the service

- Do so by defining allowed value(s) of specific attribute of the service

Constraint Types

- Two constraint types:

List

Boolean

- Defines list of values that are allowed or disallowed for the service attribute
- Example: Allowed ingress settings. Allowed values: `all, internal, internal-and-cloud-load-balancing`

- Is either TRUE or FALSE
- Example: Disable IPv6 usage

Organization Policy

- When there's no organization, policies cannot be managed

- All policies are inherited from a "virtual" organization

- Can be viewed