



# Policy Catalog Google Permissions List

This document contains a list of cloud provider permissions required by each Google policy template in the Flexera Cloud Cost Optimization Policy Catalog.

- Required permissions may change as policy templates in the catalog are updated. An up-to-date version of this PDF file is [available in the Flexera Policy Template Github Repository](#).
  - *Required* permissions are required for the policy template in question to work correctly; *optional* permissions enable additional functionality.
  - Permissions with a green *Read Only* label are read-only, while those with a red *Write* label can potentially make changes to your cloud environment.
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## Cost Reallocation - Google Cloud Logging 0.1.2

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Flexera Optional Permissions:

org\_owner *Read Only*

### Google Cloud Required Permissions:

cloudresourcemanager.projects.get *Read Only*

cloudresourcemanager.projects.list *Read Only*

compute.regions.list *Read Only*

monitoring.timeSeries.list *Read Only*

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## Google Cheaper Regions 1.0.5

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## Google Cloud Run Anomaly Detection 0.3.1

### Google Cloud Required Permissions:

compute.regions.list *Read Only*

monitoring.timeSeries.list *Read Only*

resourcemanager.projects.get *Read Only*

run.services.list *Read Only*

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## Google Cloud Storage Without Lifecycle Configuration 0.3.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

resourcemanager.projects.get *Read Only*

storage.buckets.list *Read Only*

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## Google Committed Use Discount Recommender 4.5.2

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.regions.list *Read Only*

recommender.usageCommitmentRecommendations.list *Read Only*

resourcemanager.projects.get *Read Only*

### Google Cloud Optional Permissions:

billing.accounts.getSpendingInformation *Read Only*

billing.resourceCosts.get *Read Only*

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## Google Committed Use Discount Report 3.2.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.commitments.get *Read Only*

resourcemanager.projects.get *Read Only*

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## Google Credential 0.1.6

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

resourcemanager.projects.get *Read Only*

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## Google Expiring Committed Use Discounts (CUD) 3.2.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

compute.commitments.get *Read Only*

resourcemanager.projects.get *Read Only*

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## **Google Idle IP Address Recommender** 4.4.2

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

compute.addresses.list *Read Only*

recommender.computeAddressIdleResourceRecommendations.list *Read Only*

resourcemanager.projects.get *Read Only*

### **Google Cloud Optional Permissions:**

compute.addresses.delete *Write*

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## **Google Idle Persistent Disk Recommender** 4.4.2

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

compute.disks.list *Read Only*

logging.logEntries.list *Read Only*

logging.privateLogEntries.list *Read Only*

logging.views.access *Read Only*

recommender.computeDiskIdleResourceRecommendations.list *Read Only*

resourcemanager.projects.get *Read Only*

### **Google Cloud Optional Permissions:**

compute.disks.createSnapshot *Write*

compute.disks.delete *Write*

compute.globalOperations.get *Write*

compute.snapshots.create *Write*

compute.zoneOperations.get *Write*

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## **Google Label Cardinality Report** 0.3.1

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

bigquery.datasets.get *Read Only*

bigquery.datasets.list *Read Only*

bigquery.tables.get *Read Only*  
bigquery.tables.list *Read Only*  
cloudsql.instances.get *Read Only*  
cloudsql.instances.list *Read Only*  
compute.addresses.get *Read Only*  
compute.addresses.list *Read Only*  
compute.disks.get *Read Only*  
compute.disks.list *Read Only*  
compute.images.get *Read Only*  
compute.images.list *Read Only*  
compute.instances.get *Read Only*  
compute.instances.list *Read Only*  
compute.snapshots.get *Read Only*  
compute.snapshots.list *Read Only*  
compute.storagePools.get *Read Only*  
compute.storagePools.list *Read Only*  
compute.vpnGateways.get *Read Only*  
compute.vpnGateways.list *Read Only*  
compute.vpnTunnels.get *Read Only*  
compute.vpnTunnels.list *Read Only*  
resourcemanager.projects.get *Read Only*  
resourcemanager.projects.list *Read Only*  
storage.buckets.get *Read Only*  
storage.buckets.list *Read Only*

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## Google Long Running VM Instances 0.1.0

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.instances.get *Read Only*  
compute.instances.list *Read Only*  
resourcemanager.projects.get *Read Only*

### Google Cloud Optional Permissions:

compute.instances.delete *Write*  
compute.instances.stop *Write*

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## Google Long Stopped VM Instances 4.2.2

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.instances.get *Read Only*  
compute.instances.list *Read Only*

monitoring.metricDescriptors.list *Read Only*  
monitoring.timeSeries.list *Read Only*  
resourcemanager.projects.get *Read Only*

**Google Cloud Optional Permissions:**

compute.instances.delete *Write*  
compute.instances.stop *Write*

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## Google Missing Projects 0.1.4

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

**Google Cloud Required Permissions:**

resourcemanager.projects.get *Read Only*

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## Google Object Storage Optimization 3.0.10

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

**Google Cloud Required Permissions:**

resourcemanager.projects.get *Read Only*  
storage.buckets.list *Read Only*  
storage.objects.list *Read Only*

**Google Cloud Optional Permissions:**

storage.objects.create *Write*  
storage.objects.delete *Write*

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## Google Old Snapshots 5.4.1

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

**Google Cloud Required Permissions:**

compute.disks.list *Read Only*  
compute.regions.list *Read Only*  
compute.snapshots.get *Read Only*  
compute.snapshots.list *Read Only*  
compute.zones.list *Read Only*  
resourcemanager.projects.get *Read Only*

**Google Cloud Optional Permissions:**

compute.snapshots.delete *Write*

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## **Google Open Buckets** 3.2.5

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

resourcemanager.projects.get *Read Only*

storage.buckets.get *Read Only*

storage.buckets.getIamPolicy *Read Only*

storage.buckets.list *Read Only*

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## **Google Overutilized VM Instances** 0.2.1

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

compute.instances.get *Read Only*

compute.instances.list *Read Only*

compute.machineTypes.list *Read Only*

monitoring.metricDescriptors.list *Read Only*

monitoring.timeSeries.list *Read Only*

resourcemanager.projects.get *Read Only*

### **Google Cloud Optional Permissions:**

compute.instances.setMachineType *Write*

compute.instances.start *Write*

compute.instances.stop *Write*

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## **Google Recommenders** 3.2.2

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

### **Google Cloud Required Permissions:**

resourcemanager.projects.get *Read Only*

### **Google Cloud Optional Permissions:**

recommender.cloudSecurityGeneralRecommendations.list *Read Only*

recommender.cloudsqlIdleInstanceRecommendations.list *Read Only*

recommender.cloudsqlInstanceOutOfDiskRecommendations.list *Read Only*

recommender.cloudsqlOverprovisionedInstanceRecommendations.list *Read Only*

recommender.computeAddressIdleResourceRecommendations.list *Read Only*

recommender.computeDiskIdleResourceRecommendations.list *Read Only*

recommender.computeImageIdleResourceRecommendations.list *Read Only*

recommender.computeInstanceGroupManagerMachineTypeRecommendations.list *Read Only*

recommender.computeInstanceIdleResourceRecommendations.list *Read Only*

recommender.computeInstanceMachineTypeRecommendations.list *Read Only*  
recommender.containerDiagnosisRecommendations.list *Read Only*  
recommender.iamPolicyRecommendations.list *Read Only*  
recommender.loggingProductSuggestionContainerRecommendations.list *Read Only*  
recommender.monitoringProductSuggestionComputeRecommendations.list *Read Only*  
recommender.resourcemanagerProjectUtilizationRecommendations.list *Read Only*  
recommender.runServiceSecurityRecommendations.list *Read Only*  
recommender.usageCommitmentRecommendations.list *Read Only*

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## Google Rightsize Cloud SQL Instances 0.2.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

cloudsql.instances.list *Read Only*  
monitoring.metricDescriptors.list *Read Only*  
monitoring.timeSeries.list *Read Only*  
resourcemanager.projects.get *Read Only*

### Google Cloud Optional Permissions:

cloudsql.instances.delete *Write*  
cloudsql.instances.update *Write*

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## Google Rightsize Cloud SQL Recommender 0.4.2

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

cloudsql.instances.list *Read Only*  
recommender.cloudsqlIdleInstanceRecommendations.list *Read Only*  
recommender.cloudsqlOverprovisionedInstanceRecommendations.list *Read Only*  
resourcemanager.projects.get *Read Only*

### Google Cloud Optional Permissions:

cloudsql.instances.delete *Write*  
cloudsql.instances.update *Write*

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## Google Rightsize VM Instances 0.2.2

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.instances.get *Read Only*  
compute.instances.list *Read Only*

monitoring.metricDescriptors.list *Read Only*  
monitoring.timeSeries.list *Read Only*  
resourcemanager.projects.get *Read Only*

#### **Google Cloud Optional Permissions:**

compute.instances.delete *Write*  
compute.instances.setMachineType *Write*  
compute.instances.start *Write*  
compute.instances.stop *Write*

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### **Google Rightsize VM Recommender** 3.3.2

#### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

#### **Google Cloud Required Permissions:**

compute.instances.get *Read Only*  
compute.instances.list *Read Only*  
monitoring.metricDescriptors.list *Read Only*  
monitoring.timeSeries.list *Read Only*  
resourcemanager.projects.get *Read Only*

#### **Google Cloud Optional Permissions:**

compute.instances.delete *Write*  
compute.instances.setMachineType *Write*  
compute.instances.start *Write*  
compute.instances.stop *Write*  
recommender.computeInstanceIdleResourceRecommendations.list *Read Only*  
recommender.computeInstanceMachineTypeRecommendations.list *Read Only*

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### **Google Rule-Based Dimension From Project Labels** 2.1.1

#### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*  
observer *Read Only*  
rule\_based\_dimensions\_manager *Read Only*

#### **Google Cloud Required Permissions:**

resourcemanager.projects.get *Read Only*

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### **Google Schedule Instance** 6.0.7

#### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

#### **Google Cloud Required Permissions:**

compute.instances.delete *Write*

compute.instances.get *Read Only*  
compute.instances.list *Read Only*  
compute.instances.setLabels *Write*  
compute.instances.start *Write*  
compute.instances.stop *Write*  
compute.zones.list *Read Only*  
resourcemanager.projects.get *Read Only*

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## Google Unlabeled Resources 3.3.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.disks.list *Read Only*  
compute.externalVpnGateways.list *Read Only*  
compute.images.list *Read Only*  
compute.instances.list *Read Only*  
compute.snapshots.list *Read Only*  
compute.vpnGateways.list *Read Only*  
resourcemanager.projects.get *Read Only*  
storage.buckets.list *Read Only*

### Google Cloud Optional Permissions:

compute.disks.setLabels *Write*  
compute.externalVpnGateways.setLabels *Write*  
compute.images.setLabels *Write*  
compute.instances.setLabels *Write*  
compute.snapshots.setLabels *Write*  
compute.vpnGateways.setLabels *Write*  
resourcemanager.projects.update *Write*  
storage.buckets.update *Write*

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## Google Unused Disks 0.2.1

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

### Google Cloud Required Permissions:

compute.disks.list *Read Only*  
compute.zones.list *Read Only*  
resourcemanager.projects.get *Read Only*

### Google Cloud Optional Permissions:

compute.disks.createSnapshot *Write*  
compute.disks.delete *Write*

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