



# 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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## Google Cheaper Regions 1.0.4

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## Google Cloud Run Anomaly Detection 0.2.3

### 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 0.2.4

### 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 4.3.4

**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 3.1.4****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 0.1.5****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) 3.1.4****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 Cloud SQL Instance Recommender 4.1.8****Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

**Google Cloud Required Permissions:**

cloudsql.instances.list *Read Only*

recommender.cloudsqlIdleInstanceRecommendations.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 Idle IP Address Recommender 4.3.4

### 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 4.3.4

### 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 0.2.4

### 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 Stopped VM Instances 4.1.4

### 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 0.1.3

### 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 3.0.9

### 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 5.3.0

### 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 3.2.4

### 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 0.1.5

### 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 3.1.4**

### **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 0.1.0**

### **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 0.3.0****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 0.1.0****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 3.2.5****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.computeInstanceIdResourceRecommendations.list *Read Only*  
recommender.computeInstanceMachineTypeRecommendations.list *Read Only*

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## Google Rule-Based Dimension From Project Labels 2.1.0

### 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 6.0.6

### 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 3.2.4

### 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** 0.1.0

### **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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