Flexera 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.

Google Cheaper Regions 1.0.1

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Run Anomaly Detection 0.2.0

Google Cloud Required Permissions:
compute.regions.list *Read Only*
monitoring.timeSeries.list *Read Only*
resourcemanager.projects.get *Read Only*
run.services.list *Read Only*

Google Cloud Storage Without Lifecycle Configuration 0.2.0

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
resourcemanager.projects.get *Read Only*
storage.buckets.list *Read Only*

Google Committed Use Discount Recommender 4.3.0

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*

Google Committed Use Discount Report 3.1.0

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
compute.commitments.get *Read Only*

resourcemanager.projects.get *Read Only*

Google Credential 0.1.1

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
resourcemanager.projects.get *Read Only*

Google Expiring Committed Use Discounts (CUD) 3.1.0

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
compute.commitments.get *Read Only*
resourcemanager.projects.get *Read Only*

Google Idle Cloud SQL Instance Recommender 4.1.3

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*

Google Idle IP Address Recommender 4.3.0

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*

Google Idle Persistent Disk Recommender 4.3.0

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*

Google Label Cardinality Report 0.2.0

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*

Google Long Stopped VM Instances 4.1.0

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.stop *Write*

Google Missing Projects 0.1.0

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
resourcemanager.projects.get *Read Only*

Google Object Storage Optimization 3.0.4

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*

Google Old Snapshots 5.2.0

Flexera Required Permissions:
billing_center_viewer *Read Only*

Google Cloud Required Permissions:
billing.accounts.get *Read Only*
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*

Google Open Buckets 3.2.0

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*

Google Overutilized 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*
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*

Google Recommenders 3.1.0

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*

Google Rightsize Cloud SQL Recommender 0.2.0

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*

Google Rightsize VM Recommender 3.2.0

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*
recommender.computeInstanceIdleResourceRecommendations.list *Read Only*
recommender.computeInstanceMachineTypeRecommendations.list *Read Only*

Google Rule-Based Dimension From Project Labels 2.0.0

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*

Google Schedule Instance 6.0.0

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*

Google Unlabeled Resources 3.2.0

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*