GCP IAM PRC - Role Mapping

E0-E3

#	Role Type	Description	Role Name	Binding	PRC Group	Predefined Roles	Existing Role	
1	Cloud Security Admin	This role will be responsible for Cloud Security Policy This Team will also PoC general security capabilities control not covered by network or IAM.	org_security_admin	PRC_group : lab TFE_service_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-CloudSec	Resource Manager > Organization Viewer Organization Policy > Organization Policy Admin Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Viewer Security Center > Security Center Admin Logging > Private Logs Viewer Logging > Logs Configuration Writer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer BigQuery > BigQuery Viewer	security_auditor	
	Cloud Security Poweruser		org_security_poweruser	PRC_group : org	PRC-AXP-BA-E2-AppAdmin-GCP-CloudSec	Resource Manager > Organization Viewer Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Role Viewer Logging > Private Logs Viewer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer BigQuery > BigQuery Viewer		
	Infosec audit	This role will have list access to all resources, it does not need to access data within resource.	org_infosecaudit_viewer	PRC_group : org	PRC-AXP-AA-E3-Compl-Sec-GCP-InfosecAudit	Resource Manager > Organization Viewer		
2	IAM Admin	This team is responsible for all okta and identity integration and will do PoCs related to IAM tools(cloudknox,etc,access analysis)	org_iam_admin	PRC_group : lab TFE_service_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-IAM	Resource Manager > Organization Viewer Resource Manager > Organization Administrator Resource Manager > Folder Admin Resource Manager > Project Creator Billing > Billing Account User Roles > Organization Role Administrator Organization Policy > Organization Policy Administrator Security Center > Security Center Admin Support > Support Account Administrator	iam_admin	
	IAM Poweruser		org_iam_poweruser	PRC_group : org	PRC-AXP-BA-E2-AppAdmin-GCP-IAM	Resource Manager > Organization Viewer Roles > Organization Role viewer Organization Policy > Organization Policy viewer Support > Support Account user		

3	Network Security Eng Admin	This team will do Firewall administration and will be responsible for VPC Firewall and PaloAlto appliances. This team will also manage Service Perimeters and Access Context Manager.	org_nets ec_admin	PRC_group : lab TFE_servic e_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-NetSec PRC-AXP-BA-E2-AppAdmin-GCP-NetSecOps	Resource Manager > Organization ViewerComp ute Engine > Compute Network Admin Compute Engine > Compute Shared VPC Admin Compute Engine > Compute Security Admin Resource Manager > Folder Viewer Projects :- Prod & Non-prod VPC Host Projects: Project > compute	n/a - Subset of org_netw ork_admin org - viewer lab (E0) project - network_ad min to start
	Network Security Eng poweruser		org_nets ec_power user	PRC_group : org	PRC-AXP-BA-E2-AppAdmin-GCP-NetSec PRC-AXP-BA-E2-AppAdmin-GCP-NetSecOps	Org: Compute Engine > Compute Network Viewer Compute Engine > Compute Shared VPC Viewer Compute Engine > Compute Security Viewer Resource Manager > Folder Viewer	
5	SIEM Admin	This team will responsible for all stackdriver audit related actvities including pub/sub subscription to stackdriver at org level.	org_siem _admin	PRC_group : lab TFE_servic e_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-SIEM	Resource Manager > Organization Viewer Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Role Viewer Security Center > Security Center Admin Logging > Private Logs Viewer Logging > Logs Configuration Writer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer	security_aud itor
	SIEM Poweruser		org_siem _powerus er	PRC_group : org	PRC-AXP-BA-E2-AppAdmin-GCP-SIEM	Resource Manager > Organization Viewer Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Role Viewer Logging > Private Logs Viewer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer	
6	IR Admin	The incident response team will be responsible for Security tooling (security center)excluding network and iam.	org_ir_ad min	PRC_group : lab TFE_servic e_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-InfosecMonitori ng	Resource Manager > Organization Viewer Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Role Viewer Security Center > Security Center Admin Logging > Private Logs Viewer Logging > Logs Configuration Writer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer	n/a - security_aud itor?
	IR Poweruser		org_ir_po weruser	PRC_group : org	PRC-AXP-BA-E2-AppAdmin-GCP-InfosecMonitori ng	Organization Policy > Organization Policy Viewer IAM > Security Reviewer Roles > Organization Role Viewer Security Center > Security Center Admin Logging > Private Logs Viewer Kubernetes Engine > Kubernetes Engine Viewer Compute Engine > Compute Viewer	

#	Team	Description	org group	PRC_group	PRC-AXP code	Roles	Notes	
7	Crypto Admin	This team is responsible for PKI infrastructure including KMS, certificates, Customer managed keys, and related capabilities.	org_crypto_admin	PRC_group: lab TFE_service_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-Crypto	TBD kms admin roles/assuredworkloads.serviceAgent Cloud KMS admin	n/a - Google's input needed	
	Crypto Poweruser		org_crypto_poweruser	PRC_group: org	PRC-AXP-BA-E2-AppAdmin-GCP-Crypto	TBD kms viewer		
8	CloudEng Admin	This team is responsible for overall cloud operation and integration, enablement of services, resource management, iam management, troubleshooting all resource types, creating and testing modules for all resource types.	org_corefoundation_admin	PRC_group: org? TFE_service_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-CF	Owner Organization Administrator BU Power User Kubernetes Engine Admin Compute Instance Admin Monitoring Admin Logging Admin Storage Admin Billing viewer Service account user Logs viewer Monitoring viewer	org_poweruser_corefoundation	
	CloudEng Poweruser		org_corefoundation_poweruser	PRC_group: org	PRC-AXP-BA-E2-AppAdmin-GCP-CF	BU Power User Kubernetes Engine Viewer Compute Instance Viewer Monitoring Viewer Logging Viewer Storage Viewer Billing viewer Service account user Logs viewer Monitoring viewer		
9	DDI Admin	This team is responsible for CloudDNS.	org_ddi_admin	PRC_group: lab TFE_service_account: org	PRC-AXP-AA-E2-AppAdmin-GCP-DDI		n/a - Cloud DNS	
	DDI poweruser		org_ddi_poweruser	PRC_group: org	PRC-AXP-AA-E2-AppAdmin-GCP-DDI			
10	CloudOps Admin	This team is responsible for troubleshooting and operations activities	org_cloudops_admin	PRC_group: lab TFE_service_account: org	PRC-AXP-PU-E2-AppAdmin-GCP-Dev-Ops		n/a - org_viewer_corefoundation - lab_poweruser_corefoundation E0	
	CloudOps Poweruser		org_cloudops_poweruser	PRC_group: org	PRC-AXP-PU-E2-AppAdmin-GCP-Dev-Ops			
11	Billing Admin	This team is responsible for billing, chargeback and pulling billing data.	org_billing_admin	PRC_group: lab TFE_service_account: org	PRC-AXP-BA-E2-AppAdmin-GCP-Billing		org_billing_admin	
	Billing Poweruser		org_billing_viewer	PRC_group: org	PRC-AXP-BA-E2-AppAdmin-GCP-Billing			
12	Network Admin	This team will be responsible for all non-security related aspects of network management including VPCs, subnets, routers, will work with netsec for internet gateways, nat, etc. This team is also responsible for LoadBalancers.	org_network_admin	PRC_group: lab TFE_service_account: org	PRC-AXP-BA-E3-AppAdmin-AWS-DCE PRC-AXP-BA-E3-AppAdmin-AWS-GNOC	Org: Compute Engine > Compute Network Admin Compute Engine > Compute Shared VPC Admin Compute Engine > Compute Security Admin Resource Manager > Folder Viewer Projects :- Prod & Non-prod VPC Host Projects: Project > Owner	org_network_admin	
13	Network Poweruser		org_network_poweruser	PRC_group: org	PRC-AXP-BA-E3-AppAdmin-AWS-DCE PRC-AXP-BA-E3-AppAdmin-AWS-GNOC	Org: Compute Engine > Compute Network Viewer Compute Engine > Compute Shared VPC Viewer Compute Engine > Compute Security Viewer Resource Manager > Folder Viewer	n/a - Subset of org_network_admin	

14	CloudSolutions poweruser	This team will assist with onboarding application team to cloud, they will help with app deployment, testing, loadbalancers,etc	org_solutions_pu E0: E1-E3:	PRC_group: lab TFE_service_account: lab	PRC-AXP-PU-E2-AppAdmin-GCP-Dev-Eng	Org: Resource Manager > Organization Viewer	pu_solutions	
15	CloudQE Poweruser	This team will perform testing of capabilities provided to application and application platform teams. This team should only need poc/lab access to create all non-infrastucture resource types(dataproc,bigquery,gce,etc) and do load/performance testing on same.	org_quality_pu E0: E1-E3:	PRC_group: lab TFE_service_account: lab	PRC-AXP-PU-E2-AppAdmin-GCP-TEST-Eng	Kubernetes Engine Admin Compute Viewer Monitoring Viewer Logs Viewer Service account user	pu_quality	
16	CICD Poweruser	This team manages CICD pipline and will be responsible for pushing artifacts, deploying any CICD related tools.	org_cicd_pu E0: E1-E3:	PRC_group: lab TFE_service_account: lab	PRC-AXP-PU-E2-AppAdmin-GCP-CICD	TBD	n/a	
~~17~~	~~DBEng Admin~~				~~PRC-AXP-PU-E2-AppAdmin-GCP-DBEng~~		~~n/a database_admin ?~~	
~~18~~	~~CloudDB Eng Admin~~				~~PRC-AXP-BA-E2-AppAdmin-GCP-CloudDBEng~~		~~database_admin~~	
19	Product poweruser	This group is for project managers and needs the ability to view the presence of resources and billing.	org_product_pu E0: E1-E3:	PRC_group: org TFE_service_account: org	PRC-AXP-PU-E2-AppSupp-GCP-CE-Product		n/a	
~~20~~	~~DBOps Admin~~				~~PRC-AXP-BA-E2-AppAdmin-GCP-DBOps~~		~~Subset of database_admin~~	

Predefined Role	Role Description	Permissions	
Organization Policy Admin	This grants permissions to set organization-level IAM policies.	Organization Policy Administrator (roles/orgpolicy.policyAdmin) Provides access to define what restrictions an organization wants to place on the configuration of cloud resources by setting Organization Policies. Lowest-level resources where you can grant this role: Organization orgpolicy.*	
Organization Policy Viewer	This grants permissions to view the IAM policies that apply to the organization.	Organization Policy Viewer (roles/orgpolicy.policyViewer) Provides access to view Organization Policies on resources. Lowest-level resources where you can grant this role: Project orgpolicy.constraints.* orgpolicy.policies.list orgpolicy.policy.get	
IAM > Security Reviewer	This grants permissions to view all resources for the organization, and to view the IAM policies that apply to them.	Security Reviewer (roles/iam.securityReviewer) Provides permissions to list all resources and IAM policies on them. accessapproval.requests.list accesscontextmanager.accessLevels.list accesscontextmanager.accessPolicies.getIamPolicy accesscontextmanager.accessPolicies.list accesscontextmanager.accessZones.list accesscontextmanager.gcpUserAccessBindings.list accesscontextmanager.policies.getIamPolicy accesscontextmanager.policies.list accesscontextmanager.servicePerimeters.list actions.agentVersions.list aiplatform.annotationSpecs.list aiplatform.annotations.list	

aiplatform.artifacts.list
aiplatform.batchPredictionJobs.list
aiplatform.contexts.list
aiplatform.customJobs.list
aiplatform.dataItems.list
aiplatform.dataLabelingJobs.list
aiplatform.datasets.list
aiplatform.edgeDeploymentJobs.list
aiplatform.edgeDevices.list
aiplatform.endpoints.list
aiplatform.entityTypes.list
aiplatform.executions.list
aiplatform.features.list
aiplatform.featurestores.list
aiplatform.humanInTheLoops.list
aiplatform.hyperparameterTuningJobs.list
aiplatform.indexEndpoints.list
aiplatform.indexes.list
aiplatform.locations.list
aiplatform.metadataSchemas.list
aiplatform.metadataStores.list
aiplatform.modelDeploymentMonitoringJobs.list
aiplatform.modelEvaluationSlices.list
aiplatform.modelEvaluations.list
aiplatform.models.list
aiplatform.nasJobs.list
aiplatform.operations.*
aiplatform.pipelineJobs.list
aiplatform.specialistPools.list
aiplatform.studies.list
aiplatform.tensorboardExperiments.list
aiplatform.tensorboardRuns.list
aiplatform.tensorboardTimeSeries.list
aiplatform.tensorboards.list
aiplatform.trainingPipelines.list
aiplatform.trials.list
apigateway.apiconfigs.getIamPolicy
apigateway.apiconfigs.list
apigateway.apis.getIamPolicy
apigateway.apis.list
apigateway.gateways.getIamPolicy
apigateway.gateways.list
apigateway.locations.list
apigateway.operations.list
apigee.apiproductattributes.list
apigee.apiproducts.list
apigee.apps.list
apigee.archivedeployments.list
apigee.caches.list
apigee.datacollectors.list
apigee.datastores.list
apigee.deployments.list
apigee.developerappattributes.list
apigee.developerapps.list
apigee.developerattributes.list
apigee.developers.list
apigee.developersubscriptions.list
apigee.envgroupattachments.list
apigee.envgroups.list
apigee.environments.getIamPolicy
apigee.environments.list
apigee.exports.list
apigee.flowhooks.list
apigee.hostqueries.list
apigee.hostsecurityreports.list
apigee.instanceattachments.list
apigee.instances.list
apigee.keystorealiases.list
apigee.keystores.list
apigee.keyvaluemaps.list
apigee.operations.list
apigee.organizations.list
apigee.portals.list
apigee.proxies.list
apigee.proxyrevisions.list
apigee.queries.list
apigee.rateplans.list
apigee.references.list
apigee.reports.list
apigee.resourcefiles.list
apigee.securityreports.list
apigee.sharedflowrevisions.list
apigee.sharedflows.list
apigee.targetservers.list
apigee.tracesessions.list
apigeeconnect.connections.*
apikeys.keys.list
appengine.instances.list
appengine.memcache.list
appengine.operations.list
appengine.services.list
appengine.versions.list
artifactregistry.files.list
artifactregistry.packages.list
artifactregistry.repositories.getIamPolicy
artifactregistry.repositories.list
artifactregistry.tags.list
artifactregistry.versions.list

assuredworkloads.operations.list
assuredworkloads.workload.list
automl.annotationSpecs.list
automl.annotations.list
automl.columnSpecs.list
automl.datasets.getIamPolicy
automl.datasets.list
automl.examples.list
automl.humanAnnotationTasks.list
automl.locations.getIamPolicy
automl.locations.list
automl.modelEvaluations.list
automl.models.getIamPolicy
automl.models.list
automl.operations.list
automl.tableSpecs.list
automlrecommendations.apiKeys.list
automlrecommendations.catalogItems.list
automlrecommendations.catalogs.list
automlrecommendations.events.list
automlrecommendations.placements.list
automlrecommendations.recommendations.list
autoscaling.sites.getIamPolicy
baremetalsolution.instances.list
bigquery.capacityCommitments.list
bigquery.connections.getIamPolicy
bigquery.connections.list
bigquery.datasets.getIamPolicy
bigquery.jobs.list
bigquery.models.list
bigquery.reservationAssignments.list
bigquery.reservations.list
bigquery.routines.list
bigquery.rowAccessPolicies.getIamPolicy
bigquery.rowAccessPolicies.list
bigquery.savedqueries.list
bigquery.tables.getIamPolicy
bigquery.tables.list
bigtable.appProfiles.list
bigtable.backups.getIamPolicy
bigtable.backups.list
bigtable.clusters.list
bigtable.instances.getIamPolicy
bigtable.instances.list
bigtable.keyvisualizer.list
bigtable.locations.*
bigtable.tables.getIamPolicy
bigtable.tables.list
billing.accounts.getIamPolicy
billing.accounts.list
billing.budgets.list
billing.credits.*
billing.resourceAssociations.list
billing.subscriptions.list
binaryauthorization.attestors.getIamPolicy
binaryauthorization.attestors.list
binaryauthorization.continuousValidationConfig.getIamPolicy
binaryauthorization.policy.getIamPolicy
clientauthconfig.brands.list
clientauthconfig.clients.list
cloudasset.feeds.list
cloudbuild.builds.list
cloudbuild.workerpools.list
clouddebugger.breakpoints.list
clouddebugger.debuggees.list
clouddeploy.deliveryPipelines.getIamPolicy
clouddeploy.deliveryPipelines.list
clouddeploy.locations.list
clouddeploy.operations.list
clouddeploy.releases.list
clouddeploy.rollouts.list
clouddeploy.targets.getIamPolicy
clouddeploy.targets.list
cloudfunctions.functions.getIamPolicy
cloudfunctions.functions.list
cloudfunctions.locations.list
cloudfunctions.operations.list
cloudiot.devices.list
cloudiot.registries.getIamPolicy
cloudiot.registries.list
cloudjobdiscovery.companies.list
cloudkms.cryptoKeyVersions.list
cloudkms.cryptoKeys.getIamPolicy
cloudkms.cryptoKeys.list
cloudkms.importJobs.getIamPolicy
cloudkms.importJobs.list
cloudkms.keyRings.getIamPolicy
cloudkms.keyRings.list
cloudkms.locations.list
cloudnotifications.*
cloudonefs.isiloncloud.com/clusters.list
cloudonefs.isiloncloud.com/fileshares.list
cloudprivatecatalogproducer.associations.list
cloudprivatecatalogproducer.catalogAssociations.list
cloudprivatecatalogproducer.catalogs.getIamPolicy
cloudprivatecatalogproducer.catalogs.list
cloudprivatecatalogproducer.producerCatalogs.getIamPolicy
cloudprivatecatalogproducer.producerCatalogs.list

cloudprivatecatalogproducer.products.getIamPolicy
cloudprivatecatalogproducer.products.list
cloudprofiler.profiles.list
cloudscheduler.jobs.list
cloudscheduler.locations.list
cloudsecurityscanner.crawledurls.*
cloudsecurityscanner.results.list
cloudsecurityscanner.scanruns.list
cloudsecurityscanner.scans.list
cloudsql.backupRuns.list
cloudsql.databases.list
cloudsql.instances.list
cloudsql.sslCerts.list
cloudsql.users.list
cloudsupport.accounts.getIamPolicy
cloudsupport.accounts.list
cloudsupport.techCases.list
cloudtasks.locations.list
cloudtasks.queues.getIamPolicy
cloudtasks.queues.list
cloudtasks.tasks.list
cloudtoolresults.executions.list
cloudtoolresults.histories.list
cloudtoolresults.steps.list
cloudtrace.insights.list
cloudtrace.tasks.list
cloudtrace.traces.list
cloudtranslate.glossaries.list
cloudtranslate.locations.list
cloudtranslate.operations.list
cloudvolumesgcp-api.netapp.com/activeDirectories.list
cloudvolumesgcp-api.netapp.com/ipRanges.*
cloudvolumesgcp-api.netapp.com/jobs.list
cloudvolumesgcp-api.netapp.com/regions.*
cloudvolumesgcp-api.netapp.com/serviceLevels.*
cloudvolumesgcp-api.netapp.com/snapshots.list
cloudvolumesgcp-api.netapp.com/volumes.list
commerceprice.privateoffers.list
composer.environments.list
composer.imageversions.*
composer.operations.list
compute.acceleratorTypes.list
compute.addresses.list
compute.autoscalers.list
compute.backendBuckets.list
compute.backendServices.getIamPolicy
compute.backendServices.list
compute.commitments.list
compute.diskTypes.list
compute.disks.getIamPolicy
compute.disks.list
compute.externalVpnGateways.list
compute.firewallPolicies.getIamPolicy
compute.firewallPolicies.list
compute.firewalls.list
compute.forwardingRules.list
compute.globalAddresses.list
compute.globalForwardingRules.list
compute.globalNetworkEndpointGroups.list
compute.globalOperations.getIamPolicy
compute.globalOperations.list
compute.globalPublicDelegatedPrefixes.list
compute.healthChecks.list
compute.httpHealthChecks.list
compute.httpsHealthChecks.list
compute.images.getIamPolicy
compute.images.list
compute.instanceGroupManagers.list
compute.instanceGroups.list
compute.instanceTemplates.getIamPolicy
compute.instanceTemplates.list
compute.instances.getIamPolicy
compute.instances.list
compute.interconnectAttachments.list
compute.interconnectLocations.list
compute.interconnects.list
compute.licenseCodes.getIamPolicy
compute.licenseCodes.list
compute.licenses.getIamPolicy
compute.licenses.list
compute.machineImages.getIamPolicy
compute.machineImages.list
compute.machineTypes.list
compute.maintenancePolicies.getIamPolicy
compute.maintenancePolicies.list
compute.networkEndpointGroups.getIamPolicy
compute.networkEndpointGroups.list
compute.networks.list
compute.nodeGroups.getIamPolicy
compute.nodeGroups.list
compute.nodeTemplates.getIamPolicy
compute.nodeTemplates.list
compute.nodeTypes.list
compute.publicAdvertisedPrefixes.list
compute.publicDelegatedPrefixes.list
compute.regionBackendServices.getIamPolicy
compute.regionBackendServices.list
compute.regionHealthCheckServices.list

compute.regionHealthChecks.list
compute.regionNetworkEndpointGroups.list
compute.regionNotificationEndpoints.list
compute.regionOperations.getIamPolicy
compute.regionOperations.list
compute.regionSslCertificates.list
compute.regionTargetHttpProxies.list
compute.regionTargetHttpsProxies.list
compute.regionUrlMaps.list
compute.regions.list
compute.reservations.list
compute.resourcePolicies.list
compute.routers.list
compute.routes.list
compute.securityPolicies.getIamPolicy
compute.securityPolicies.list
compute.serviceAttachments.list
compute.snapshots.getIamPolicy
compute.snapshots.list
compute.sslCertificates.list
compute.sslPolicies.list
compute.subnetworks.getIamPolicy
compute.subnetworks.list
compute.targetGrpcProxies.list
compute.targetHttpProxies.list
compute.targetHttpsProxies.list
compute.targetInstances.list
compute.targetPools.list
compute.targetSslProxies.list
compute.targetTcpProxies.list
compute.targetVpnGateways.list
compute.urlMaps.list
compute.vpnGateways.list
compute.vpnTunnels.list
compute.zoneOperations.getIamPolicy
compute.zoneOperations.list
compute.zones.list
connectors.connections.getIamPolicy
connectors.connections.list
connectors.connectors.list
connectors.locations.list
connectors.operations.list
connectors.providers.list
connectors.versions.list
consumerprocurement.accounts.list
consumerprocurement.entitlements.list
consumerprocurement.freeTrials.list
consumerprocurement.orders.list
contactcenterinsights.analyses.list
contactcenterinsights.conversations.list
contactcenterinsights.issueModels.list
contactcenterinsights.issues.list
contactcenterinsights.operations.list
contactcenterinsights.phraseMatchers.list
container.apiServices.list
container.auditSinks.list
container.backendConfigs.list
container.bindings.list
container.certificateSigningRequests.list
container.clusterRoleBindings.list
container.clusterRoles.list
container.clusters.list
container.componentStatuses.list
container.configMaps.list
container.controllerRevisions.list
container.cronJobs.list
container.csiDrivers.list
container.csiNodeInfos.list
container.csiNodes.list
container.customResourceDefinitions.list
container.daemonSets.list
container.deployments.list
container.endpointSlices.list
container.endpoints.list
container.events.list
container.frontendConfigs.list
container.horizontalPodAutoscalers.list
container.ingresses.list
container.initializerConfigurations.list
container.jobs.list
container.leases.list
container.limitRanges.list
container.localSubjectAccessReviews.list
container.managedCertificates.list
container.mutatingWebhookConfigurations.list
container.namespaces.list
container.networkPolicies.list
container.nodes.list
container.operations.list
container.persistentVolumeClaims.list
container.persistentVolumes.list
container.petSets.list
container.podDisruptionBudgets.list
container.podPresets.list
container.podSecurityPolicies.list
container.podTemplates.list
container.pods.list
container.priorityClasses.list

```
container.replicaSets.list
container.replicationControllers.list
container.resourceQuotas.list
container.roleBindings.list
container.roles.list
container.runtimeClasses.list
container.scheduledJobs.list
container.selfSubjectAccessReviews.list
container.serviceAccounts.list
container.services.list
container.statefulSets.list
container.storageClasses.list
container.storageStates.list
container.storageVersionMigrations.list
container.subjectAccessReviews.list
container.thirdPartyObjects.list
container.thirdPartyResources.list
container.updateInfos.list
container.validatingWebhookConfigurations.list
container.volumeAttachments.list
container.volumeSnapshotClasses.list
container.volumeSnapshotContents.list
container.volumeSnapshots.list
containeranalysis.notes.getIamPolicy
containeranalysis.notes.list
containeranalysis.occurrences.getIamPolicy
containeranalysis.occurrences.list
datacatalog.categories.getIamPolicy
datacatalog.entries.getIamPolicy
datacatalog.entries.list
datacatalog.entryGroups.getIamPolicy
datacatalog.entryGroups.list
datacatalog.tagTemplates.getIamPolicy
datacatalog.taxonomies.getIamPolicy
datacatalog.taxonomies.list
dataflow.jobs.list
dataflow.messages.*
dataflow.snapshots.list
datafusion.instances.getIamPolicy
datafusion.instances.list
datafusion.locations.list
datafusion.operations.list
datalabeling.annotateddatasets.list
datalabeling.annotationspecsets.list
datalabeling.dataitems.list
datalabeling.datasets.list
datalabeling.examples.list
datalabeling.instructions.list
datalabeling.operations.list
datamigration.connectionprofiles.getIamPolicy
datamigration.connectionprofiles.list
datamigration.locations.list
datamigration.migrationjobs.getIamPolicy
datamigration.migrationjobs.list
datamigration.operations.list
datapipelines.pipelines.list
dataproc.agents.list
dataproc.autoscalingPolicies.getIamPolicy
dataproc.autoscalingPolicies.list
dataproc.clusters.getIamPolicy
dataproc.clusters.list
dataproc.jobs.getIamPolicy
dataproc.jobs.list
dataproc.operations.getIamPolicy
dataproc.operations.list
dataproc.workflowTemplates.getIamPolicy
dataproc.workflowTemplates.list
dataprocessing.datasources.list
dataprocessing.featurecontrols.list
dataprocessing.groupcontrols.list
datastore.databases.getIamPolicy
datastore.databases.list
datastore.entities.list
datastore.indexes.list
datastore.locations.list
datastore.namespaces.getIamPolicy
datastore.namespaces.list
datastore.operations.list
datastore.statistics.list
datastream.connectionProfiles.getIamPolicy
datastream.connectionProfiles.list
datastream.locations.list
datastream.operations.list
datastream.privateConnections.getIamPolicy
datastream.privateConnections.list
datastream.routes.getIamPolicy
datastream.routes.list
datastream.streams.getIamPolicy
datastream.streams.list
deploymentmanager.compositeTypes.list
deploymentmanager.deployments.getIamPolicy
deploymentmanager.deployments.list
deploymentmanager.manifests.list
deploymentmanager.operations.list
deploymentmanager.resources.list
deploymentmanager.typeProviders.list
deploymentmanager.types.list
dialogflow.agents.list
```

dialogflow.answerrecords.list
dialogflow.callMatchers.list
dialogflow.changelogs.list
dialogflow.contexts.list
dialogflow.conversationDatasets.list
dialogflow.conversationModels.list
dialogflow.conversationProfiles.list
dialogflow.conversations.list
dialogflow.documents.list
dialogflow.entityTypes.list
dialogflow.environments.list
dialogflow.flows.list
dialogflow.intents.list
dialogflow.knowledgeBases.list
dialogflow.messages.*
dialogflow.modelEvaluations.list
dialogflow.pages.list
dialogflow.participants.list
dialogflow.phoneNumberOrders.list
dialogflow.phoneNumbers.list
dialogflow.securitySettings.list
dialogflow.sessionEntityTypes.list
dialogflow.smartMessagingEntries.list
dialogflow.transitionRouteGroups.list
dialogflow.versions.list
dialogflow.webhooks.list
dlp.analyzeRiskTemplates.list
dlp.columnDataProfiles.list
dlp.deidentifyTemplates.list
dlp.estimates.list
dlp.inspectFindings.*
dlp.inspectTemplates.list
dlp.jobTriggers.list
dlp.jobs.list
dlp.projectDataProfiles.list
dlp.storedInfoTypes.list
dlp.tableDataProfiles.list
dns.changes.list
dns.dnsKeys.list
dns.managedZoneOperations.list
dns.managedZones.list
dns.policies.getIamPolicy
dns.policies.list
dns.resourceRecordSets.list
dns.responsePolicies.list
dns.responsePolicyRules.list
documentai.evaluations.list
documentai.labelerPools.list
documentai.locations.list
documentai.processorTypes.*
documentai.processorVersions.list
documentai.processors.list
domains.locations.list
domains.operations.list
domains.registrations.getIamPolicy
domains.registrations.list
earlyaccesscenter.campaigns.list
earlyaccesscenter.customerAllowlists.list
earthengine.assets.getIamPolicy
earthengine.assets.list
earthengine.operations.list
errorreporting.applications.*
errorreporting.errorEvents.list
errorreporting.groups.*
essentialcontacts.contacts.list
eventarc.locations.list
eventarc.operations.list
eventarc.triggers.getIamPolicy
eventarc.triggers.list
fcmdata.*
file.backups.list
file.instances.list
file.locations.list
file.operations.list
firebase.clients.list
firebase.links.list
firebase.playLinks.list
firebaseabt.experiments.list
firebaseappdistro.groups.list
firebaseappdistro.releases.list
firebaseappdistro.testers.list
firebasecrashlytics.issues.list
firebasedatabase.instances.list
firebasedynamiclinks.destinations.list
firebasedynamiclinks.domains.list
firebasedynamiclinks.links.list
firebaseextensions.configs.list
firebasehosting.sites.list
firebaseinappmessaging.campaigns.list
firebaseml.compressionjobs.list
firebaseml.models.list
firebaseml.modelversions.list
firebasenotifications.messages.list
firebasepredictions.predictions.list
firebaserules.releases.list
firebaserules.rulesets.list
firebasestorage.buckets.list
fleetengine.vehicles.list

gameservices.gameServerClusters.list
gameservices.gameServerConfigs.list
gameservices.gameServerDeployments.list
gameservices.locations.list
gameservices.operations.list
gameservices.realms.list
gcp.redisenterprise.com/databases.list
gcp.redisenterprise.com/subscriptions.list
genomics.datasets.getIamPolicy
genomics.datasets.list
genomics.operations.list
gkehub.features.getIamPolicy
gkehub.features.list
gkehub.gateway.getIamPolicy
gkehub.locations.list
gkehub.memberships.getIamPolicy
gkehub.memberships.list
gkehub.operations.list
gkemulticloud.awsClusters.list
gkemulticloud.awsNodePools.list
gkemulticloud.azureClients.list
gkemulticloud.azureClusters.list
gkemulticloud.azureNodePools.list
gkemulticloud.operations.list
gsuiteaddons.deployments.list
healthcare.annotationStores.getIamPolicy
healthcare.annotationStores.list
healthcare.annotations.list
healthcare.attributeDefinitions.list
healthcare.consentArtifacts.list
healthcare.consentStores.getIamPolicy
healthcare.consentStores.list
healthcare.consents.list
healthcare.datasets.getIamPolicy
healthcare.datasets.list
healthcare.dicomStores.getIamPolicy
healthcare.dicomStores.list
healthcare.fhirStores.getIamPolicy
healthcare.fhirStores.list
healthcare.hl7V2Messages.list
healthcare.hl7V2Stores.getIamPolicy
healthcare.hl7V2Stores.list
healthcare.locations.list
healthcare.operations.list
healthcare.userDataMappings.list
iam.googleapis.com/workloadIdentityPoolProviders.list
iam.googleapis.com/workloadIdentityPools.list
iam.roles.get
iam.roles.list
iam.serviceAccountKeys.list
iam.serviceAccounts.get
iam.serviceAccounts.getIamPolicy
iam.serviceAccounts.list
iap.tunnel.getIamPolicy
iap.tunnelInstances.getIamPolicy
iap.tunnelZones.getIamPolicy
iap.web.getIamPolicy
iap.webServiceVersions.getIamPolicy
iap.webServices.getIamPolicy
iap.webTypes.getIamPolicy
integrations.apigeeAuthConfigs.list
integrations.apigeeCertificates.list
integrations.apigeeExecutions.*
integrations.apigeeIntegrationVers.list
integrations.apigeeIntegrations.list
integrations.apigeeSfdcChannels.list
integrations.apigeeSfdcInstances.list
integrations.apigeeSuspensions.list
integrations.securityAuthConfigs.list
integrations.securityExecutions.list
integrations.securityIntegTempVers.list
integrations.securityIntegrationVers.list
integrations.securityIntegrations.list
lifesciences.operations.list
livestream.channels.list
livestream.events.list
livestream.inputs.list
livestream.locations.list
livestream.operations.list
logging.buckets.list
logging.exclusions.list
logging.locations.list
logging.logEntries.list
logging.logMetrics.list
logging.logServiceIndexes.*
logging.logServices.*
logging.logs.list
logging.notificationRules.list
logging.operations.list
logging.privateLogEntries.*
logging.queries.list
logging.sinks.list
logging.views.list
managedidentities.domains.getIamPolicy
managedidentities.domains.list
managedidentities.locations.list
managedidentities.operations.list
managedidentities.peerings.getIamPolicy

managedidentities.peerings.list
managedidentities.sqlintegrations.list
memcache.instances.list
memcache.locations.list
memcache.operations.list
metastore.backups.list
metastore.imports.list
metastore.locations.list
metastore.operations.list
metastore.services.getIamPolicy
metastore.services.list
ml.jobs.getIamPolicy
ml.jobs.list
ml.locations.list
ml.models.getIamPolicy
ml.models.list
ml.operations.list
ml.studies.getIamPolicy
ml.studies.list
ml.trials.list
ml.versions.list
monitoring.alertPolicies.list
monitoring.dashboards.list
monitoring.groups.list
monitoring.metricDescriptors.list
monitoring.monitoredResourceDescriptors.list
monitoring.notificationChannelDescriptors.list
monitoring.notificationChannels.list
monitoring.publicWidgets.list
monitoring.services.list
monitoring.slos.list
monitoring.timeSeries.list
monitoring.uptimeCheckConfigs.list
networkconnectivity.hubs.getIamPolicy
networkconnectivity.hubs.list
networkconnectivity.locations.list
networkconnectivity.operations.list
networkconnectivity.spokes.getIamPolicy
networkconnectivity.spokes.list
networkmanagement.connectivitytests.getIamPolicy
networkmanagement.connectivitytests.list
networkmanagement.locations.list
networkmanagement.operations.list
networksecurity.authorizationPolicies.getIamPolicy
networksecurity.authorizationPolicies.list
networksecurity.clientTlsPolicies.getIamPolicy
networksecurity.clientTlsPolicies.list
networksecurity.locations.list
networksecurity.operations.list
networksecurity.serverTlsPolicies.getIamPolicy
networksecurity.serverTlsPolicies.list
networkservices.endpointConfigSelectors.getIamPolicy
networkservices.endpointConfigSelectors.list
networkservices.endpointPolicies.getIamPolicy
networkservices.endpointPolicies.list
networkservices.httpFilters.getIamPolicy
networkservices.httpFilters.list
networkservices.httpfilters.getIamPolicy
networkservices.httpfilters.list
networkservices.locations.list
networkservices.operations.list
notebooks.environments.getIamPolicy
notebooks.environments.list
notebooks.executions.getIamPolicy
notebooks.executions.list
notebooks.instances.getIamPolicy
notebooks.instances.list
notebooks.locations.list
notebooks.operations.list
notebooks.runtimes.getIamPolicy
notebooks.runtimes.list
notebooks.schedules.getIamPolicy
notebooks.schedules.list
ondemandscanning.operations.list
opsconfigmonitoring.resourceMetadata.list
orgpolicy.constraints.*
orgpolicy.policies.list
osconfig.guestPolicies.list
osconfig.instanceOSPoliciesCompliances.list
osconfig.inventories.list
osconfig.osPolicyAssignmentReports.list
osconfig.osPolicyAssignments.list
osconfig.patchDeployments.list
osconfig.patchJobs.list
osconfig.vulnerabilityReports.list
paymentsresellersubscription.products.*
paymentsresellersubscription.promotions.*
policysimulator.replayResults.*
policysimulator.replays.list
privateca.caPools.getIamPolicy
privateca.caPools.list
privateca.certificateAuthorities.getIamPolicy
privateca.certificateAuthorities.list
privateca.certificateRevocationLists.getIamPolicy
privateca.certificateRevocationLists.list
privateca.certificateTemplates.getIamPolicy
privateca.certificateTemplates.list
privateca.certificates.getIamPolicy

privateca.certificates.list
privateca.locations.list
privateca.operations.list
privateca.reusableConfigs.getIamPolicy
privateca.reusableConfigs.list
proximitybeacon.attachments.list
proximitybeacon.beacons.getIamPolicy
proximitybeacon.beacons.list
proximitybeacon.namespaces.getIamPolicy
proximitybeacon.namespaces.list
pubsub.schemas.getIamPolicy
pubsub.schemas.list
pubsub.snapshots.getIamPolicy
pubsub.snapshots.list
pubsub.subscriptions.getIamPolicy
pubsub.subscriptions.list
pubsub.topics.getIamPolicy
pubsub.topics.list
pubsublite.operations.list
pubsublite.reservations.list
pubsublite.subscriptions.list
pubsublite.topics.list
recaptchaenterprise.keys.list
recommender.bigqueryCapacityCommitmentsInsights.list
recommender.bigqueryCapacityCommitmentsRecommendations.list
recommender.cloudAssetInsights.list
recommender.cloudsqlIdleInstanceRecommendations.list
recommender.cloudsqlInstanceActivityInsights.list
recommender.cloudsqlInstanceCpuUsageInsights.list
recommender.cloudsqlInstanceDiskUsageTrendInsights.list
recommender.cloudsqlInstanceMemoryUsageInsights.list
recommender.cloudsqlInstanceOutOfDiskRecommendations.list
recommender.cloudsqlOverprovisionedInstanceRecommendations.list
recommender.commitmentUtilizationInsights.list
recommender.computeAddressIdleResourceInsights.list
recommender.computeAddressIdleResourceRecommendations.list
recommender.computeDiskIdleResourceInsights.list
recommender.computeDiskIdleResourceRecommendations.list
recommender.computeFirewallInsights.list
recommender.computeImageIdleResourceInsights.list
recommender.computeImageIdleResourceRecommendations.list
recommender.computeInstanceGroupManagerMachineTypeRecommendations.list
recommender.computeInstanceIdleResourceRecommendations.list
recommender.computeInstanceMachineTypeRecommendations.list
recommender.iamPolicyInsights.list
recommender.iamPolicyLateralMovementInsights.list
recommender.iamPolicyRecommendations.list
recommender.iamServiceAccountInsights.list
recommender.locations.list
recommender.loggingProductSuggestionContainerInsights.list
recommender.loggingProductSuggestionContainerRecommendations.list
recommender.monitoringProductSuggestionComputeInsights.list
recommender.monitoringProductSuggestionComputeRecommendations.list
recommender.resourcemanagerProjectUtilizationInsights.list
recommender.resourcemanagerProjectUtilizationRecommendations.list
recommender.usageCommitmentRecommendations.list
redis.instances.list
redis.locations.list
redis.operations.list
remotebuildexecution.instances.list
remotebuildexecution.workerpools.list
resourcemanager.folders.getIamPolicy
resourcemanager.folders.list
resourcemanager.hierarchyNodes.listTagBindings
resourcemanager.organizations.getIamPolicy
resourcemanager.projects.getIamPolicy
resourcemanager.projects.list
resourcemanager.tagKeys.getIamPolicy
resourcemanager.tagKeys.list
resourcemanager.tagValues.getIamPolicy
resourcemanager.tagValues.list
resourcesettings.settings.list
retail.catalogs.list
retail.operations.list
retail.products.list
riskmanager.operations.list
riskmanager.policies.list
riskmanager.reports.list
run.configurations.list
run.locations.*
run.revisions.list
run.routes.list
run.services.getIamPolicy
run.services.list
runtimeconfig.configs.getIamPolicy
runtimeconfig.configs.list
runtimeconfig.operations.list
runtimeconfig.variables.getIamPolicy
runtimeconfig.variables.list
runtimeconfig.waiters.getIamPolicy
runtimeconfig.waiters.list
secretmanager.locations.list
secretmanager.secrets.getIamPolicy
secretmanager.secrets.list
secretmanager.versions.list
securitycenter.assets.list
securitycenter.findings.list
securitycenter.notificationconfig.list

securitycenter.sources.getIamPolicy
securitycenter.sources.list
servicebroker.bindingoperations.list
servicebroker.bindings.getIamPolicy
servicebroker.bindings.list
servicebroker.catalogs.getIamPolicy
servicebroker.catalogs.list
servicebroker.instanceoperations.list
servicebroker.instances.getIamPolicy
servicebroker.instances.list
serviceconsumermanagement.tenancyu.list
servicedirectory.endpoints.getIamPolicy
servicedirectory.endpoints.list
servicedirectory.locations.list
servicedirectory.namespaces.getIamPolicy
servicedirectory.namespaces.list
servicedirectory.services.getIamPolicy
servicedirectory.services.list
servicemanagement.services.getIamPolicy
servicemanagement.services.list
servicenetworking.operations.list
serviceusage.operations.list
serviceusage.services.list
source.repos.getIamPolicy
source.repos.list
spanner.backupOperations.list
spanner.backups.getIamPolicy
spanner.backups.list
spanner.databaseOperations.list
spanner.databases.getIamPolicy
spanner.databases.list
spanner.instanceConfigs.list
spanner.instanceOperations.list
spanner.instances.getIamPolicy
spanner.instances.list
spanner.sessions.list
speech.customClasses.list
speech.phraseSets.list
storage.buckets.getIamPolicy
storage.buckets.list
storage.hmacKeys.list
storage.multipartUploads.list
storage.objects.getIamPolicy
storage.objects.list
storagetransfer.agentpools.list
storagetransfer.jobs.list
storagetransfer.operations.list
tpu.acceleratortypes.list
tpu.locations.list
tpu.nodes.list
tpu.operations.list
tpu.tensorflowversions.list
transcoder.jobTemplates.list
transcoder.jobs.list
translationhub.portals.list
visualinspection.annotationSets.list
visualinspection.annotationSpecs.list
visualinspection.annotations.list
visualinspection.datasets.list
visualinspection.images.list
visualinspection.locations.list
visualinspection.modelEvaluations.list
visualinspection.models.list
visualinspection.modules.list
visualinspection.operations.list
visualinspection.solutionArtifacts.list
visualinspection.solutions.list
vmmigration.cloneJobs.list
vmmigration.cutoverJobs.list
vmmigration.datacenterConnectors.list
vmmigration.deployments.list
vmmigration.groups.list
vmmigration.locations.list
vmmigration.migratingVms.list
vmmigration.operations.list
vmmigration.sources.list
vmmigration.targets.list
vmmigration.utilizationReports.list
vpcaccess.connectors.list
vpcaccess.locations.*
vpcaccess.operations.list
workflows.executions.list
workflows.locations.list
workflows.operations.list
workflows.workflows.getIamPolicy
workflows.workflows.list

Roles > Organization Role Viewer	This grants permissions to view all custom IAM roles in the organization, and to view the projects that they apply to.	Organization Role Viewer (roles/iam.organizationRoleViewer) Provides read access to all custom roles in the organization and the projects below it. Lowest-level resources where you can grant this role: Organization iam.roles.get iam.roles.list resourcemanager.organizations.get resourcemanager.organizations.getIamPolicy resourcemanager.projects.get resourcemanager.projects.getIamPolicy resourcemanager.projects.list	
Security Center > Security Center Admin	This grants administrator access to the security command center.	Security Center Admin (roles/securitycenter.admin) Admin(super user) access to security center Lowest-level resources where you can grant this role: Project appengine.applications.get cloudsecurityscanner.* compute.addresses.list resourcemanager.folders.get resourcemanager.organizations.get resourcemanager.projects.get resourcemanager.projects.list securitycenter.* serviceusage.quotas.get serviceusage.services.get serviceusage.services.list	
Resource Manager > Folder IAM Admin	This grants permissions to set folder-level IAM policies.	Folder IAM Admin (roles/resourcemanager.folderIamAdmin) Provides permissions to administer IAM policies on folders. Lowest-level resources where you can grant this role: Folder resourcemanager.folders.get resourcemanager.folders.getIamPolicy resourcemanager.folders.setIamPolicy	
Logging > Private Logs Viewer	This grants read-only access to Cloud Logging features, including the ability to read private logs.	Private Logs Viewer (roles/logging.privateLogViewer) Provides permissions of the Logs Viewer role and in addition, provides read-only access to log entries in private logs. Lowest-level resources where you can grant this role: Project logging.buckets.get logging.buckets.list logging.exclusions.get logging.exclusions.list logging.locations.* logging.logEntries.list logging.logMetrics.get logging.logMetrics.list logging.logServiceIndexes.* logging.logServices.* logging.logs.list logging.privateLogEntries.* logging.queries.create logging.queries.delete logging.queries.get logging.queries.list logging.queries.listShared logging.queries.update logging.sinks.get logging.sinks.list logging.usage.* logging.views.access logging.views.get logging.views.list resourcemanager.projects.get	

Logging > Logs Configuration Writer	This grants permissions to create logs-based metrics and export sinks.	Logs Configuration Writer (roles/logging.configWriter) Provides permissions to read and write the configurations of logs-based metrics and sinks for exporting logs. Lowest-level resources where you can grant this role: Project logging.buckets.create logging.buckets.delete logging.buckets.get logging.buckets.list logging.buckets.undelete logging.buckets.update logging.cmekSettings.* logging.exclusions.* logging.locations.* logging.logMetrics.* logging.logServiceIndexes.* logging.logServices.* logging.logs.list logging.notificationRules.* logging.operations.* logging.sinks.* logging.views.create logging.views.delete logging.views.get logging.views.list logging.views.update resourcemanager.projects.get resourcemanager.projects.list	
Kubernetes Engine > Kubernetes Engine Viewer	This grants read-only access to Google Kubernetes Engine resources.	Kubernetes Engine Viewer (roles/container.viewer) Provides read-only access to GKE resources. Lowest-level resources where you can grant this role: Project container.apiServices.get container.apiServices.getStatus container.apiServices.list container.auditSinks.get container.auditSinks.list container.backendConfigs.get container.backendConfigs.list container.bindings.get container.bindings.list container.certificateSigningRequests.get container.certificateSigningRequests.getStatus container.certificateSigningRequests.list container.clusterRoleBindings.get container.clusterRoleBindings.list container.clusterRoles.get container.clusterRoles.list container.clusters.get container.clusters.list container.componentStatuses.* container.configMaps.get container.configMaps.list container.controllerRevisions.get container.controllerRevisions.list container.cronJobs.get container.cronJobs.getStatus container.cronJobs.list container.csiDrivers.get container.csiDrivers.list container.csiNodeInfos.get container.csiNodeInfos.list container.csiNodes.get container.csiNodes.list container.customResourceDefinitions.get container.customResourceDefinitions.getStatus container.customResourceDefinitions.list container.daemonSets.get container.daemonSets.getStatus container.daemonSets.list container.deployments.get container.deployments.getScale container.deployments.getStatus container.deployments.list container.endpointSlices.get container.endpointSlices.list container.endpoints.get container.endpoints.list container.events.get container.events.list container.frontendConfigs.get container.frontendConfigs.list container.horizontalPodAutoscalers.get container.horizontalPodAutoscalers.getStatus container.horizontalPodAutoscalers.list container.ingresses.get container.ingresses.getStatus container.ingresses.list container.initializerConfigurations.get	

container.initializerConfigurations.list
container.jobs.get
container.jobs.getStatus
container.jobs.list
container.leases.get
container.leases.list
container.limitRanges.get
container.limitRanges.list
container.managedCertificates.get
container.managedCertificates.list
container.mutatingWebhookConfigurations.get
container.mutatingWebhookConfigurations.list
container.namespaces.get
container.namespaces.getStatus
container.namespaces.list
container.networkPolicies.get
container.networkPolicies.list
container.nodes.get
container.nodes.getStatus
container.nodes.list
container.operations.*
container.persistentVolumeClaims.get
container.persistentVolumeClaims.getStatus
container.persistentVolumeClaims.list
container.persistentVolumes.get
container.persistentVolumes.getStatus
container.persistentVolumes.list
container.petSets.get
container.petSets.list
container.podDisruptionBudgets.get
container.podDisruptionBudgets.getStatus
container.podDisruptionBudgets.list
container.podPresets.get
container.podPresets.list
container.podSecurityPolicies.get
container.podSecurityPolicies.list
container.podTemplates.get
container.podTemplates.list
container.pods.get
container.pods.getStatus
container.pods.list
container.priorityClasses.get
container.priorityClasses.list
container.replicaSets.get
container.replicaSets.getScale
container.replicaSets.getStatus
container.replicaSets.list
container.replicationControllers.get
container.replicationControllers.getScale
container.replicationControllers.getStatus
container.replicationControllers.list
container.resourceQuotas.get
container.resourceQuotas.getStatus
container.resourceQuotas.list
container.roleBindings.get
container.roleBindings.list
container.roles.get
container.roles.list
container.runtimeClasses.get
container.runtimeClasses.list
container.scheduledJobs.get
container.scheduledJobs.list
container.serviceAccounts.get
container.serviceAccounts.list
container.services.get
container.services.getStatus
container.services.list
container.statefulSets.get
container.statefulSets.getScale
container.statefulSets.getStatus
container.statefulSets.list
container.storageClasses.get
container.storageClasses.list
container.storageStates.get
container.storageStates.getStatus
container.storageStates.list
container.storageVersionMigrations.get
container.storageVersionMigrations.getStatus
container.storageVersionMigrations.list
container.thirdPartyObjects.get
container.thirdPartyObjects.list
container.thirdPartyResources.get
container.thirdPartyResources.list
container.tokenReviews.*
container.updateInfos.get
container.updateInfos.list
container.validatingWebhookConfigurations.get
container.validatingWebhookConfigurations.list
container.volumeAttachments.get
container.volumeAttachments.getStatus
container.volumeAttachments.list
container.volumeSnapshotClasses.get
container.volumeSnapshotClasses.list
container.volumeSnapshotContents.get
container.volumeSnapshotContents.getStatus
container.volumeSnapshotContents.list
container.volumeSnapshots.get
container.volumeSnapshots.list

		resourcemanager.projects.get resourcemanager.projects.list	
Compute Engine > Compute Viewer	This grants read-only access to Compute Engine resources.	Compute Viewer (roles/compute.viewer) Read-only access to get and list Compute Engine resources, without being able to read the data stored on them. For example, an account with this role could inventory all of the disks in a project, but it could not read any of the data on those disks. Lowest-level resources where you can grant this role: Disk Image Instance Instance template Node group Node template Snapshot Beta compute.acceleratorTypes.* compute.addresses.get compute.addresses.list compute.autoscalers.get compute.autoscalers.list compute.backendBuckets.get compute.backendBuckets.list compute.backendServices.get compute.backendServices.getIamPolicy compute.backendServices.list compute.commitments.get compute.commitments.list compute.diskTypes.* compute.disks.get compute.disks.getIamPolicy compute.disks.list compute.externalVpnGateways.get compute.externalVpnGateways.list compute.firewallPolicies.get compute.firewallPolicies.getIamPolicy compute.firewallPolicies.list compute.firewalls.get compute.firewalls.list compute.forwardingRules.get compute.forwardingRules.list compute.globalAddresses.get compute.globalAddresses.list compute.globalForwardingRules.get compute.globalForwardingRules.list compute.globalForwardingRules.pscGet compute.globalNetworkEndpointGroups.get compute.globalNetworkEndpointGroups.list compute.globalOperations.get compute.globalOperations.getIamPolicy compute.globalOperations.list compute.globalPublicDelegatedPrefixes.get compute.globalPublicDelegatedPrefixes.list compute.healthChecks.get compute.healthChecks.list compute.httpHealthChecks.get compute.httpHealthChecks.list compute.httpsHealthChecks.get compute.httpsHealthChecks.list compute.images.get compute.images.getFromFamily compute.images.getIamPolicy compute.images.list compute.instanceGroupManagers.get compute.instanceGroupManagers.list compute.instanceGroups.get compute.instanceGroups.list compute.instanceTemplates.get compute.instanceTemplates.getIamPolicy compute.instanceTemplates.list compute.instances.get compute.instances.getEffectiveFirewalls compute.instances.getGuestAttributes compute.instances.getIamPolicy compute.instances.getScreenshot compute.instances.getSerialPortOutput compute.instances.getShieldedInstanceIdentity compute.instances.getShieldedVmIdentity compute.instances.list compute.instances.listReferrers compute.interconnectAttachments.get compute.interconnectAttachments.list compute.interconnectLocations.* compute.interconnects.get compute.interconnects.list compute.licenseCodes.get compute.licenseCodes.getIamPolicy compute.licenseCodes.list compute.licenses.get compute.licenses.getIamPolicy compute.licenses.list compute.machineImages.get compute.machineImages.getIamPolicy	

```
compute.machineImages.list
compute.machineTypes.*
compute.maintenancePolicies.get
compute.maintenancePolicies.getIamPolicy
compute.maintenancePolicies.list
compute.networkEndpointGroups.get
compute.networkEndpointGroups.getIamPolicy
compute.networkEndpointGroups.list
compute.networks.get
compute.networks.getEffectiveFirewalls
compute.networks.list
compute.networks.listPeeringRoutes
compute.nodeGroups.get
compute.nodeGroups.getIamPolicy
compute.nodeGroups.list
compute.nodeTemplates.get
compute.nodeTemplates.getIamPolicy
compute.nodeTemplates.list
compute.nodeTypes.*
compute.organizations.listAssociations
compute.projects.get
compute.publicAdvertisedPrefixes.get
compute.publicAdvertisedPrefixes.list
compute.publicDelegatedPrefixes.get
compute.publicDelegatedPrefixes.list
compute.regionBackendServices.get
compute.regionBackendServices.getIamPolicy
compute.regionBackendServices.list
compute.regionHealthCheckServices.get
compute.regionHealthCheckServices.list
compute.regionHealthChecks.get
compute.regionHealthC+P7hecks.list
compute.regionNetworkEndpointGroups.get
compute.regionNetworkEndpointGroups.list
compute.regionNotificationEndpoints.get
compute.regionNotificationEndpoints.list
compute.regionOperations.get
compute.regionOperations.getIamPolicy
compute.regionOperations.list
compute.regionSslCertificates.get
compute.regionSslCertificates.list
compute.regionTargetHttpProxies.get
compute.regionTargetHttpProxies.list
compute.regionTargetHttpsProxies.get
compute.regionTargetHttpsProxies.list
compute.regionUrlMaps.get
compute.regionUrlMaps.list
compute.regionUrlMaps.validate
compute.regions.*
compute.reservations.get
compute.reservations.list
compute.resourcePolicies.get
compute.resourcePolicies.list
compute.routers.get
compute.routers.list
compute.routes.get
compute.routes.list
compute.securityPolicies.get
compute.securityPolicies.getIamPolicy
compute.securityPolicies.list
compute.serviceAttachments.get
compute.serviceAttachments.list
compute.snapshots.get
compute.snapshots.getIamPolicy
compute.snapshots.list
compute.sslCertificates.get
compute.sslCertificates.list
compute.sslPolicies.get
compute.sslPolicies.list
compute.sslPolicies.listAvailableFeatures
compute.subnetworks.get
compute.subnetworks.getIamPolicy
compute.subnetworks.list
compute.targetGrpcProxies.get
compute.targetGrpcProxies.list
compute.targetHttpProxies.get
compute.targetHttpProxies.list
compute.targetHttpsProxies.get
compute.targetHttpsProxies.list
compute.targetInstances.get
compute.targetInstances.list
compute.targetPools.get
compute.targetPools.list
compute.targetSslProxies.get
compute.targetSslProxies.list
compute.targetTcpProxies.get
compute.targetTcpProxies.list
compute.targetVpnGateways.get
compute.targetVpnGateways.list
compute.urlMaps.get
compute.urlMaps.list
compute.urlMaps.validate
compute.vpnGateways.get
compute.vpnGateways.list
compute.vpnTunnels.get
compute.vpnTunnels.list
compute.zoneOperations.get
compute.zoneOperations.getIamPolicy
```

		compute.zoneOperations.list compute.zones.* resourcemanager.projects.get resourcemanager.projects.list serviceusage.quotas.get serviceusage.services.get serviceusage.services.list	
BigQuery > BigQuery Data Viewer	This grants permissions for BigQuery datasets	BigQuery Data Viewer (roles/bigquery.dataViewer) When applied to a table or view, this role provides permissions to: Read data and metadata from the table or view. This role cannot be applied to individual models or routines. When applied to a dataset, this role provides permissions to: Read the dataset's metadata and list tables in the dataset. Read data and metadata from the dataset's tables. When applied at the project or organization level, this role can also enumerate all datasets in the project. Additional roles, however, are necessary to allow the running of jobs. Lowest-level resources where you can grant this role: Table View bigquery.datasets.get bigquery.datasets.getIamPolicy bigquery.models.export bigquery.models.getData bigquery.models.getMetadata bigquery.models.list bigquery.routines.get bigquery.routines.list bigquery.tables.createSnapshot bigquery.tables.export bigquery.tables.get bigquery.tables.getData bigquery.tables.getIamPolicy bigquery.tables.list resourcemanager.projects.get resourcemanager.projects.list	
Resource Manager > Organization Administrator		**Organization Administrator** (roles/resourcemanager.organizationAdmin) Access to administer all resources belonging to the organization. Lowest-level resources where you can grant this role: • Project • orgpolicy.constraints.* • orgpolicy.policies.list • orgpolicy.policy.get • resourcemanager.folders.get • resourcemanager.folders.getIamPolicy • resourcemanager.folders.list • resourcemanager.folders.setIamPolicy • resourcemanager.organizations.* • resourcemanager.projects.get • resourcemanager.projects.getIamPolicy • resourcemanager.projects.list • resourcemanager.projects.setIamPolicy	