Terraform Documentation

> ℹ️ **Note:** This repository uses documentation generated with Terraform-Docs.

Requirements

Name	Version
terraform	>= 1.11.0
google	6.48.0
null	~> 3.1
random	~> 3.1

Inputs

Name	Description	Type	Default	Required
check_provisioner_shutdown	Executes a local-exec script on the Terraform machine to check if the provisioner instance shutdown which indicates a successful cluster deployment.	`bool`	`true`	no
deploy_provisioner	WARNING: This variable can be set to false in development environment only. Without provisioner deployed, node adds, node removes, cluster replace, and bucket additions are not supported in production environments. Terraform automation of these operations only works with the provisioner. This variable determines whether the provisioner should be deployed."	`bool`	`true`	no
deployment_name	Name for this Terraform deployment. This name plus 7 random alphanumeric digits will be used for all resource names where appropriate.	`string`	n/a	yes
dev_environment	Disables some checks and restrictions. Leaves the provisioner running after the cluster is deployed. NOT recommended for production	`bool`	`false`	no
gce_image_name	GCE Image Name	`string`	n/a	yes
gce_ssh_public_key_path	OPTIONAL: The local path to a file containing the public key which should be authorized to ssh into the Qumulo nodes	`string`	`null`	no
gcp_cluster_custom_role	OPTIONAL: Fully-qualified custom role name to use for cluster instances (e.g., projects/PROJECT_ID/roles/ROLE_ID). If set, the module will NOT create a custom role and will bind this role instead.	`string`	`null`	no
gcp_project_id	GCP project	`string`	n/a	yes

Name	Description	Type	Default	Required
gcp_provisioner_custom_role	OPTIONAL: Fully-qualified custom role name to use for the provisioner instance (e.g., projects/PROJECT_ID/roles/ROLE_ID). If set, the module will NOT create a custom role and will bind this role instead.	string	null	no
gcp_region	GCP region	string	n/a	yes
gcp_subnet_name	GCP private subnet name	string	n/a	yes
gcp_vpc_name	GCP VPC name	string	n/a	yes
gcp_zones	GCP zones, on or three as a comma delimited string	string	n/a	yes
gcs_bucket_name	GCP bucket name	string	n/a	yes
gcs_bucket_prefix	GCP bucket prefix (path). Include a trailing slash (/)	string	n/a	yes
gcs_bucket_region	GCP region the GCS bucket is hosted in	string	n/a	yes
kms_key_name	OPTIONAL: GCP KMS encryption key resource name (full path)	string	null	no
labels	OPTIONAL: Additional global labels	map(string)	null	no
persistent_storage_output	The output of the persistent storage module.	`object({ bucket_names = list(string) bucket_region = string bucket_uris = list(string) deployment_unique_name = string prevent_destroy = bool soft_capacity_limit = string soft_capacity_limit_bytes = string })`	null	no
q_boot_dkv_type	OPTIONAL: Specify the type of Disk for the boot drive and dkv drives	string	"pd-balanced"	no
q_boot_drive_size	Size of the boot drive for each Qumulo Instance	number	256	no
q_cluster_admin_password	Qumulo cluster admin password	string	n/a	yes
q_cluster_floating_ips	The number of floating ips associated with the Qumulo cluster.	number	12	no
q_cluster_fw_ingress_cidrs	OPTIONAL: GCP additional firewall ingress CIDRs for the Qumulo cluster	string	null	no
q_cluster_name	Qumulo cluster name	string	"CNQ"	no
q_cluster_nexus_registration_key	Qumulo Nexus Registration Key	string	""	no
q_cluster_version	Qumulo cluster software version	string	"7.6.3.1"	no
q_debian_package	Debian or RHL package	bool	true	no

Name	Description	Type	Default	Required
q_existing_deployment_unique_name	OPTIONAL: The deployment_unique_name of the previous deployed cluster you want to replace	`string`	`null`	no
q_instance_type	Qumulo GCP compute engine instance type	`string`	`"z3-highmem-8-highlssd"`	no
q_node_count	Qumulo cluster node count	`number`	`3`	no
q_package_url	A URL accessible to the instances pointing to the qumulo-core.deb or qumulo-core.rpm for the version of Qumulo you want to install. If null, default to using the package in the bucket specified by gcs_bucket_name and gcs_bucket_prefix.	`string`	`null`	no
q_persistent_storage_type	GCS storage class to persist data in. CNQ Hot uses hot_gcs_std.	`string`	`"hot_gcs_std"`	no
q_replacement_cluster	OPTIONAL: Build a replacement cluster for an existing Terraform deployment. This requires a new workspace with a separate state file. This functionality enables in-service changes to the entire compute & cache front-end.	`bool`	`false`	no
q_target_node_count	Qumulo cluster target node count	`number`	`null`	no
q_write_cache_iops	OPTIONAL: Specify the iops for hyper-disk. Range of 3000 to 160000.	`number`	`null`	no
q_write_cache_tput	OPTIONAL: Specify the throughput, in MB/s, for hyper-disk, 140 to 2400 MB/s	`number`	`null`	no
q_write_cache_type	OPTIONAL: Specify the type of disk to use.	`string`	`"hyperdisk-balanced"`	no
term_protection	Enable Termination Protection	`bool`	`true`	no

Outputs

Name	Description
cluster_provisioned	If the qprovisioner module completed secondary provisioning of the cluster = Success/Failure
deployment_unique_name	The unique name for this Cloud Native Qumulo deployment
persistent_storage_bucket_names	The GCS bucket names the cluster uses for persistent storage
provisioner	Provisioner instance
qumulo_floating_ips	Qumulo floating IPs for IP failover & load distribution. Use these IPs for the A-records in your DNS.
qumulo_nodes	Properties of the nodes in the Qumulo cluster
qumulo_primary_ips	Qumulo primary IPs
qumulo_private_url_node1	Link to private IP for Qumulo Cluster - Node 1
qumulo_removed_nodes_cleanup	Reminder to cleanup unused resources
qumulo_removed_nodes_primary_ips	Qumulo primary IPs of removed nodes

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