



# NOT FOR PRODUCTION USE

## Terraform Documentation

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

## Requirements

Name	Version
<a href="#">terraform</a>	<code>&gt;= 1.10.0</code>
<a href="#">google</a>	<code>~&gt; 6.0</code>
<a href="#">null</a>	<code>~&gt; 3.1</code>
<a href="#">random</a>	<code>~&gt; 3.1</code>

## Inputs

Name	Description	Type	Default	Required
<a href="#">check_provisioner_shutdown</a>	Executes a local-exec script on the Terraform machine to check if the provisioner instance shutdown which indicates a successful cluster deployment.	<code>bool</code>	<code>true</code>	no
<a href="#">deploy_provisioner</a>	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."	<code>bool</code>	<code>true</code>	no
<a href="#">deployment_name</a>	Name for this Terraform deployment. This name plus 7 random alphanumeric digits will be used for all resource names where appropriate.	<code>string</code>	n/a	yes
<a href="#">dev_environment</a>	Enables the use of persistent_storage_output. NOT recommended for production	<code>bool</code>	<code>false</code>	no
<a href="#">gce_image_name</a>	GCE Image Name	<code>string</code>	n/a	yes

Name	Description	Type	Default	Required
<a href="#">gce_ssh_public_key_path</a>	OPTIONAL: The local path to a file containing the public key which should be authorized to ssh into the Qumulo nodes	string	null	no
<a href="#">gcp_project</a>	GCP project	string	n/a	yes
<a href="#">gcp_region</a>	GCP region	string	n/a	yes
<a href="#">gcp_subnet_name</a>	GCP private subnet name	string	n/a	yes
<a href="#">gcp_vpc_name</a>	GCP VPC name	string	n/a	yes
<a href="#">gcp_zones</a>	GCP zones, on or three as a comma delimited string	string	n/a	yes
<a href="#">gcs_bucket_name</a>	GCP bucket name	string	n/a	yes
<a href="#">gcs_bucket_prefix</a>	GCP bucket prefix (path). Include a trailing slash (/)	string	n/a	yes
<a href="#">gcs_bucket_region</a>	GCP region the GCS bucket is hosted in	string	n/a	yes
<a href="#">kms_key_name</a>	OPTIONAL: GCP KMS encryption key resource name (full path)	string	null	no
<a href="#">labels</a>	OPTIONAL: Additional global labels	map(string)	null	no
<a href="#">persistent_storage_output</a>	The output of the persistent storage module.	<pre> 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 }) </pre>	null	no
<a href="#">q_boot_dkv_type</a>	OPTIONAL: Specify the type of Disk for the boot drive and dkv drives	string	"hyperdisk-balanced"	no
<a href="#">q_boot_drive_size</a>	Size of the boot drive for each Qumulo Instance	number	256	no
<a href="#">q_cluster_admin_password</a>	Qumulo cluster admin password	string	n/a	yes
<a href="#">q_cluster_floating_ips</a>	The number of floating ips associated with the Qumulo cluster.	number	12	no

Name	Description	Type	Default	Required
<a href="#">q_cluster_fw_ingress_cidrs</a>	OPTIONAL: GCP additional firewall ingress CIDRs for the Qumulo cluster	string	null	no
<a href="#">q_cluster_name</a>	Qumulo cluster name	string	"CNQ"	no
<a href="#">q_cluster_version</a>	Qumulo cluster software version	string	"7.5.0"	no
<a href="#">q_debian_package</a>	Debian or RHL package	bool	true	no
<a href="#">q_existing_deployment_unique_name</a>	OPTIONAL: The deployment_unique_name of the previous deployed cluster you want to replace	string	null	no
<a href="#">q_fqdn_name</a>	OPTIONAL: The Fully Qualified Domain Name (FQDN) for Route 53 Private Hosted Zone	string	null	no
<a href="#">q_instance_type</a>	Qumulo GCP compute engine instance type	string	"n2-highmem-16"	no
<a href="#">q_node_count</a>	Qumulo cluster node count	number	3	no
<a href="#">q_package_url</a>	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
<a href="#">q_persistent_storage_type</a>	GCS storage class to persist data in. CNQ Hot uses hot_gcs_std.	string	"hot_gcs_std"	no
<a href="#">q_replacement_cluster</a>	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
<a href="#">q_target_node_count</a>	Qumulo cluster target node count	number	null	no
<a href="#">q_write_cache_iops</a>	OPTIONAL: Specify the iops for hyper-disk. Range of 3000 to 160000.	number	null	no
<a href="#">q_write_cache_tput</a>	OPTIONAL: Specify the throughput, in MB/s, for hyper-disk, 140 to 2400 MB/s	number	null	no
<a href="#">q_write_cache_type</a>	OPTIONAL: Specify the type of disk to use.	string	"hyperdisk-balanced"	no

Name	Description	Type	Default	Required
<a href="#">term_protection</a>	Enable Termination Protection	<code>bool</code>	<code>true</code>	no

Outputs

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

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