

terraform-google-cloud-dnsPublic

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About

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480b764 · 3 weeks ago🕒

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Creates and manages Cloud DNS public or private zones and their records

[registry.terraform.io/modules/te...](#)
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v6.0.0

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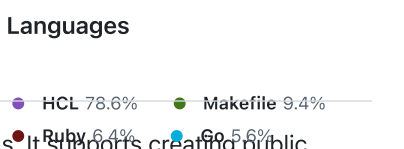
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Packages

No packages published

Contributors29

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Terraform Google Cloud DNS Module

This module makes it easy to create Google Cloud DNS zones of different types, and manage their records. It supports creating public, private, forwarding, peering, reverse_lookup and service directory zones.

The resources/services/activations/deletions that this module will create/trigger are:

- One google_dns_managed_zone for the zone
- Zero or more google_dns_record_set for the zone records

Compatibility

This module is meant for use with Terraform 0.13+ and tested using Terraform 1.0+. If you find incompatibilities using Terraform >=0.13, please open an issue. If you haven't [upgraded](#) and need a Terraform 0.12.x-compatible version of this module, the last released version intended for Terraform 0.12.x is [v3.1.0](#).

Usage

Basic usage of this module for a private zone is as follows:

```
module "dns-private-zone" {
  source = "terraform-google-modules/cloud-dns/google"
  version = "4.0"
  project_id = "my-project"
  type      = "private"
  name      = "example-com"
  domain    = "example.com."

  private_visibility_config_networks = [
    "https://www.googleapis.com/compute/v1/projects/my-project/global/networks/my-vpc"
  ]

  recordsets = [
    {
      name      = ""
      type      = "NS"
      ttl       = 300
      records   = [
        "127.0.0.1",
      ]
    },
    {
      name      = "localhost"
      type      = "A"
      ttl       = 300
      records   = [
        "127.0.0.1",
      ]
    },
  ]
}
```

Functional examples are included in the [examples](#) directory.

Inputs

Name	Description
default_key_specs_key	Object containing default key signing specifications : algorithm, key_length, key_type, kind. Please see https://www.terraform.io/docs/providers/google/r/dns_managed_zone#dnssec_config for futhers det
default_key_specs_zone	Object containing default zone signing specifications : algorithm, key_length, key_type, kind. Please : https://www.terraform.io/docs/providers/google/r/dns_managed_zone#dnssec_config for futhers det
description	zone description (shown in console)
dnssec_config	Object containing : kind, non_existence, state. Please see https://www.terraform.io/docs/providers/google/r/dns_managed_zone#dnssec_config for futhers det
domain	Zone domain, must end with a period.
enable_logging	Enable query logging for this ManagedZone
force_destroy	Set this true to delete all records in the zone.

Name	Description
labels	A set of key/value label pairs to assign to this ManagedZone
name	Zone name, must be unique within the project.
private_visibility_config_networks	List of VPC self links that can see this zone.
project_id	Project id for the zone.
recordsets	List of DNS record objects to manage, in the standard terraform dns structure.
service_namespace_url	The fully qualified or partial URL of the service directory namespace that should be associated with t This should be formatted like https://servicedirectory.googleapis.com/v1/projects/{project}/locations/{location}/namespaces/{name} or simply projects/{project}/locations/{location}/namespaces/{namespace_id}.
target_name_server_addresses	List of target name servers for forwarding zone.
target_network	Peering network.
type	Type of zone to create, valid values are 'public', 'private', 'forwarding', 'peering', 'reverse_lookup' and 'service_directory'.

Outputs

Name	Description
domain	The DNS zone domain.
name	The DNS zone name.
name_servers	The DNS zone name servers.
type	The DNS zone type.

Requirements

These sections describe requirements for using this module.

Software

The following dependencies must be available:

- [Terraform](#) >= 0.13.0
- [Terraform Provider for GCP](#) plugin >= v4.40

Service Account

User or service account credentials with the following roles must be used to provision the resources of this module:

- DNS Administrator: `roles/dns.admin`

The [Project Factory module](#) and the [IAM module](#) may be used in combination to provision a service account with the necessary roles applied.

APIs

A project with the following APIs enabled must be used to host the resources of this module:

- Google Cloud DNS API: `dns.googleapis.com`

The [Project Factory module](#) can be used to provision a project with the necessary APIs enabled.

Contributing

Refer to the [contribution guidelines](#) for information on contributing to this module.