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release-please[bot]   chore(main): release 0.17.4 (#338)   ✓
90b0e7d · yesterday

Name	Commit message	Date
.github	chore: update .github/workflo…	4 months ago
build	chore(deps): Update go modul…	4 days ago
docs	fix!: upgrade modules to use p…	6 months ago
examples	fix(deps)!: Update Terraform t…	2 months ago
modules	chore(main): release 0.17.4 (#3…	yesterday
test	chore(deps): Update go modul…	4 days ago
.dockerignore	Initial commit	4 years ago
.gitignore	Fixed code review issues, add …	3 years ago
CHANGELOG.md	chore(main): release 0.17.4 (#3…	yesterday
CODEOWNERS	chore: update CODEOWNERS	2 months ago
CONTRIBUTING.md	Initial commit	4 years ago
LICENSE	Initial commit	4 years ago
Makefile	fix: Update vpc_access descri…	2 days ago
README.md	chore: Add Apphub URI output…	7 months ago
kitchen.yml	feat: update TPG version const…	3 years ago
main.tf	fix: ignoring client.knative.dev/…	last year
metadata.display.yaml	chore: Generate metadata.disp…	8 months ago
metadata.yaml	chore(main): release 0.17.4 (#3…	yesterday
outputs.tf	chore: Add Apphub URI output…	7 months ago
variables.tf	feat: add support for liveness …	2 years ago
versions.tf	chore(main): release 0.17.4 (#3…	yesterday

About

Deploys apps to Cloud Run, along with option to map custom domain

🔗 registry.terraform.io/modules/G…

#google-cloud-platform

#terraform-modules

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📖 Readme

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● Makefile 1.5%   ● Ruby 0.5%

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Terraform Cloud Run Module

This module handles the basic deployment of containerized applications on Cloud Run, along with domain mapping and IAM policy for the service.

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

- Creates a Cloud Run service with provided name and container
- Creates Domain mapping for the deployed service
- Applies Cloud Run Invoker role to members

Mapping custom domains and subdomains

You can map multiple custom domains and subdomains to the same Cloud Run service. If you want to register a domain with Cloud Domains, see [Registering a domain with Cloud Domains within the Cloud Run console](#).

To add a custom domain or subdomain to your Cloud Run service, you need to add the values to the `verified_domain_name` variable.

Before you've mapped your service to a custom domain in Cloud Run, you need to update your DNS records at your domain registry. If you're using Cloud DNS as your DNS provider, see [Adding a record](#).

In case your DNS is not managed by Google Cloud Domains, the ownership of your domain needs to be verified adding a `txt record` on your DNS configuration. This verification can be done following the steps from [this documentation](#).

Assumptions and Prerequisites

This module assumes that below mentioned prerequisites are in place before consuming the module.

- All required APIs are enabled in the GCP Project
- Cloud SQL (optional)
- VPC Connector (optional)
- Environment Variables in Secret Manager (optional)

Usage

Basic usage of this module is as follows:

```
module "cloud_run" {
  source  = "GoogleCloudPlatform/cloud-run/google"
  version = "~> 0.10.0"

  # Required variables
  service_name        = "<SERVICE NAME>"
  project_id          = "<PROJECT ID>"
  location            = "<LOCATION>"
  image               = "gcr.io/cloudrun/hello"
}
```

Inputs

Name	Description	Type
argument	Arguments passed to the ENTRYPOINT command, include these only if image entrypoint needs arguments	`list(string)`
certificate_mode	The mode of the certificate (NONE or AUTOMATIC)	`string`
container_command	Leave blank to use the ENTRYPOINT command defined in the container image, include these only if image entrypoint should be overwritten	`list(string)`
container_concurrency	Concurrent request limits to the service	`number`
domain_map_annotations	Annotations to the domain map	`map(string)`
domain_map_labels	A set of key/value label pairs to assign to the Domain mapping	`map(string)`

Name	Description	Type
encryption_key	CMEK encryption key self-link expected in the format projects/PROJECT/locations/LOCATION/keyRings/KEY-RING/cryptoKeys/CRYPTO-KEY.	`string`

env_secret_vars	[Beta] Environment variables (Secret Manager)	`list(object({`
		`    name = string`
		`    value_from = set(object({`
		`      secret_key_ref = map(string)`
		`    }))`
		`  }))`

env_vars	Environment variables (cleartext)	`list(object({`
		`    value = string`
		`    name  = string`
		`  }))`

force_override	Option to force override existing mapping	`bool`
generate_revision_name	Option to enable revision name generation	`bool`
image	GCR hosted image URL to deploy	`string`
limits	Resource limits to the container	`map(string)`

liveness_probe	Periodic probe of container liveness. Container will be restarted if the probe fails.
	More info: https://kubernetes.io/docs/concepts/workloads/pods/pod-lifecycle#container-probes
		`object({`
		`    failure_threshold     = optional(nu`
		`    initial_delay_seconds = optional(nu`
		`    timeout_seconds       = optional(nu`
		`    period_seconds        = optional(nu`
		`    http_get = optional(object({`
		`      path = optional(string)`
		`      http_headers = optional(list(obje`
		`        name  = string`
		`        value = string`
		`      })), null)`
		`    }), null)`
		`    grpc = optional(object({`
		`      port    = optional(number)`
		`      service = optional(string)`
		`    }), null)`
		`  })`

location	Cloud Run service deployment location	`string`
members	Users/SAs to be given invoker access to the service	`list(string)`

ports	Port which the container listens to (http1 or h2c)	`object({`
		`    name = string`
		`    port = number`
		`  })`

project_id	The project ID to deploy to	`string`
requests	Resource requests to the container	`map(string)`
service_account_email	Service Account email needed for the service	`string`
service_annotations	Annotations to the service. Acceptable values all, internal, internal-and-cloud-load-balancing	`map(string)`
service_labels	A set of key/value label pairs to assign to the service	`map(string)`
service_name	The name of the Cloud Run service to create	`string`

Name	Description	Type

startup_probe	Startup probe of application within the container.
	All other probes are disabled if a startup probe is provided, until it succeeds.
	Container will not be added to service endpoints if the probe fails.
	More info: https://kubernetes.io/docs/concepts/workloads/pods/pod-lifecycle#container-probes
		<pre>object({
		    failure_threshold = optional(nu
		    initial_delay_seconds = optional(nu
		    timeout_seconds = optional(nu
		    period_seconds = optional(nu
		    http_get = optional(object({
		      path = optional(string)
		      http_headers = optional(list(obje
		        name = string
		        value = string
		      })), null)
		    }), null)
		    tcp_socket = optional(object({
		      port = optional(number)
		    }), null)
		    grpc = optional(object({
		      port = optional(number)
		      service = optional(string)
		    }), null)
		  })</pre>

template_annotations	Annotations to the container metadata including VPC Connector and SQL. See more details	`map(string)`
template_labels	A set of key/value label pairs to assign to the container metadata	`map(string)`
timeout_seconds	Timeout for each request	`number`

traffic_split	Managing traffic routing to the service	<pre>list(object({
		    latest_revision = bool
		    percent = number
		    revision_name = string
		    tag = string
		}))</pre>

verified_domain_name	List of Custom Domain Name	`list(string)`

volume_mounts	[Beta] Volume Mounts to be attached to the container (when using secret)	<pre>list(object({
		    mount_path = string
		    name = string
		}))</pre>

volumes	[Beta] Volumes needed for environment variables (when using secret)	<pre>list(object({
		    name = string
		    secret = set(object({
		      secret_name = string
		      items = map(string)
		    }))
		}))</pre>

Outputs

Name	Description
apphub_service_uri	Service URI in CAIS style to be used by Apphub.
domain_map_id	Unique Identifier for the created domain map
domain_map_status	Status of Domain mapping
location	Location in which the Cloud Run service was created
project_id	Google Cloud project in which the service was created
revision	Deployed revision for the service
service_id	Unique Identifier for the created service
service_name	Name of the created service
service_status	Status of the created service
service_url	The URL on which the deployed service is available
verified_domain_name	List of Custom Domain Name

Requirements

These sections describe requirements for using this module.

Software

- [Terraform](#) ~> v1.3+
- [Terraform Provider for GCP](#) < 6
- [Terraform Provider for GCP Beta](#) < 6

Service Account

A service account can be used with required roles to execute this module:

- Cloud Run Admin: `roles/run.admin`

Know more about [Cloud Run Deployment Permissions](#).

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 main resource of this module: