

[Private Catalog](https://cloud.google.com/private-catalog/) (https://cloud.google.com/private-catalog/)

[Documentation](https://cloud.google.com/private-catalog/docs/) (https://cloud.google.com/private-catalog/docs/) [Guides](#)

Adding a Deployment Manager-based solution

After you [create a catalog](https://cloud.google.com/private-catalog/docs/create-catalog) (https://cloud.google.com/private-catalog/docs/create-catalog), you can add a Cloud Deployment Manager template-based solution, which a user can launch using Cloud Deployment Manager.

Before you begin

Make sure you have a [Cloud Deployment Manager template](https://cloud.google.com/deployment-manager/docs/configuration/templates/create-basic-template)

(https://cloud.google.com/deployment-manager/docs/configuration/templates/create-basic-template) zip file to upload, which must contain the following files:

- A [schema file](https://cloud.google.com/deployment-manager/docs/configuration/templates/using-schemas) ending in the `.jinja.schema` extension.
- A Jinja template file ending in the `.jinja` extension.

The name of the zip file must match the names of both the schema and Jinja files. For example, if the zip file is named `android-dev-environment.zip`, the schema file inside the zip must be named `android-dev-environment.jinja.schema` and the main template must be named `android-dev-environment.jinja`.

The following code sample illustrates a schema file to create a deployment form:

```
info:  
  title: Single Google Compute Engine Machine
```

```
author: Google Inc.
description: Creates a virtual machine based on zone and machine type selection.

required:
- machinetype
- zone

properties:
  machinetype:
    title: Machine type
    type: string
    enum:
      - n1-standard-1
      - n1-standard-2
      - n1-standard-4
      - n1-highmem-2
      - n1-highmem-4
      - n1-highmem-8
      - n1-highcpu-2
      - n1-highcpu-4
      - n1-highcpu-8
      - f1-micro
      - g1-small
  zone:
    title: Zone
    type: string
    enum:
      - us-central1-a
      - us-central1-c
      - us-east1-b
      - us-east1-c
      - us-west1-a
      - us-west1-b
      - us-west1-c
```

The following code sample illustrates a Jinja file to create a persistent VM:

```
# Creates a Persistent VM
resources:
- type: compute.v1.instance
  name: vm-{{ env["deployment"] }}
```

properties:

```
zone: {{ properties["zone"] }}
# Note the machineType definition at the end. custom-4-5120 specifies 4 CPUs and
machineType: https://www.googleapis.com/compute/v1/projects/{{ env["project"] }}
disks:
- deviceName: boot
  type: PERSISTENT
  boot: true
  autoDelete: true
  initializeParams:
    diskName: disk-{{ env["deployment"] }}
    sourceImage: https://www.googleapis.com/compute/v1/projects/debian-cloud/glo
networkInterfaces:
- network: https://www.googleapis.com/compute/v1/projects/{{ env["project"] }}/g
  # Access Config required to give the instance a public IP address
  accessConfigs:
  - name: External NAT
    type: ONE_TO_ONE_NAT
```

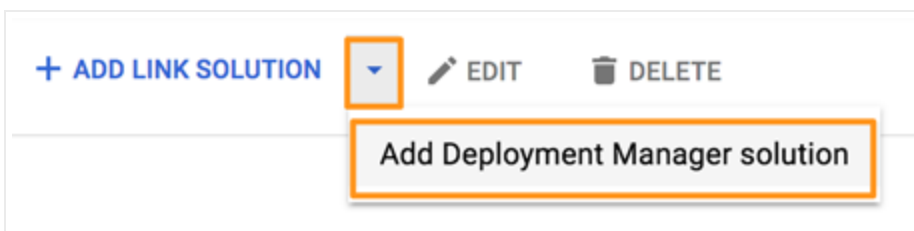
Adding the solution

To add a Cloud Deployment Manager template-based solution:

1. Go to the Cloud Console [Private Catalog](https://console.cloud.google.com/project/_/catalog) (https://console.cloud.google.com/project/_/catalog) page.

GO TO THE PRIVATE CATALOG PAGE (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/PROJECT/_/CATALOG)

2. Click **Select** to choose the Google Cloud project.
3. Click **Manage solutions**.
4. From the list of catalogs, double-click the one that you're adding to.
5. From the catalog, click the pulldown menu, and select **Add Cloud Deployment Manager solution**.



6. Enter a name, description, and tagline for your solution.
7. Upload a zip file, containing the files for a configuration (<https://cloud.google.com/deployment-manager/docs/configuration/>).
8. Optionally, upload an icon for the solution.
9. Optionally enter a support link and contact information for the creator.
10. Optionally, add a link to the documentation for the solution.
11. Click **Add**.

The following screenshot illustrates creating a Cloud Deployment Manager-based solution:


Add Deployment Manager template

Create a custom configuration for your users to deploy. [Learn more](#)

Name *
Android development environment

Description *
Development environment that includes Android SDK, build tools, and documentation.

Tagline *
Create an instant app
Write a short description that will appear on the browse page.


Icon
Android_Robot.png ✕ [BROWSE](#)

Additional information

Support
<https://support.example.com>
Describe how users of the solution can get support.

Creator
droid@example.com

Documentation

[ADD A DOCUMENTATION LINK](#)

Deployment Manager template

Zip file

vm_template.zip ✕ [BROWSE](#)

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ADDCANCEL

Next steps

- [Sharing a catalog](https://cloud.google.com/private-catalog/docs/share-private-catalog) (https://cloud.google.com/private-catalog/docs/share-private-catalog)

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