

Cloud DNS for GKE FAQ

Cloud DNS API enablement in all GKE projects

Why are we making this change?

We are constantly trying to improve the GKE networking infrastructure to offer a better user experience for our customers. To improve the stability, the performance, and the scalability of our DNS service for in-cluster name resolution, we will rely increasingly on Cloud DNS features and capabilities, so we need to enable the Cloud DNS API in your new and existing GKE project(s) to ensure your clusters are healthy and functioning when Cloud DNS capabilities are going to be used in GKE.

When is this change happening?

Starting May 1, 2023, we will enable the Cloud DNS API on all GKE projects, new and existing.

Do I have to do anything?

No, this operation will be 100% managed by the Google team and should not impact your existing projects in any ways (apart from enabling the Cloud DNS API, if not already enabled).

What can go wrong with the change?

If you're managing your GCP services with tools like Terraform, the workflow might go into an error state because Cloud DNS API is enabled by us so the tool detects a difference from the last known states. You could take actions based on the error details, such as changing the enforced spec for the GCP service APIs, or ignoring the unexpected state changes.

How can I check if the Cloud DNS API is enabled in my project?

You could run the following command to check if Cloud DNS API is enabled

```
gcloud services list --enabled --filter=dns.googleapis.com
```

Will there be any additional costs with this API enablement?

No. Enabling the API does not generate any usage or cost on Cloud DNS service.

What if I already use Cloud DNS cluster scope or VPC scope for my GKE clusters in my project(s)?

If you configured a GKE Standard cluster with Cloud DNS enabled (cluster scope or VPC scope), you already have this API enabled and you should not see any changes in your projects that have a GKE cluster configured to use Cloud DNS.

I'm seeing error X in my clusters, could this be caused by the change?

You should not get any DNS-related errors following this change.

In case any issues emerged after the change, you could follow [the troubleshooting page](#) for GKE Cloud DNS to troubleshoot. If you cannot locate the root cause and resolve the issue, you could contact Google Cloud Platform Support teams.

How can I disable Cloud DNS API in my project?

Warning: disabling Cloud DNS API could put your GKE clusters with Cloud DNS in a non-functional state. This will not affect your cluster running with kube-dns or your own custom DNS solution for GKE.

```
gcloud services disable dns.googleapis.com
```

More information on Cloud DNS for GKE

[Cloud DNS for GKE documentation](#)

[Troubleshooting DNS in GKE documentation](#)