

## Authenticating outside the cluster

This example shows you how to configure a client with client-go to authenticate to the Kubernetes API from an application running outside the Kubernetes cluster.

You can use your kubeconfig file that contains the context information of your cluster to initialize a client. The kubeconfig file is also used by the `kubectl` command to authenticate to the clusters.

### Running this example

Make sure your `kubectl` is configured and pointed to a cluster. Run `kubectl get nodes` to confirm.

Run this application with:

```
cd out-of-cluster-client-configuration
go build -o app .
./app
```

Running this application will use the kubeconfig file and then authenticate to the cluster, and print the number of pods in the cluster every 10 seconds:

```
./app
There are 3 pods in the cluster
There are 3 pods in the cluster
There are 3 pods in the cluster
...
```

Press Ctrl+C to quit this application.

**Note:** You can use the `-kubeconfig` option to use a different config file. By default this program picks up the default file used by `kubectl` (when `KUBECONFIG` environment variable is not set).