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```

Google OAuth2 Authentication

To enable Google OAuth2 you must register your application with Google. Google will generate a client ID and secret key for you to use.

Create Google OAuth keys

First, you need to create a Google OAuth Client:

1. Go to <https://console.developers.google.com/apis/credentials>.
2. Click **Create Credentials**, then click **OAuth Client ID** in the drop-down menu
3. Enter the following:
 - Application Type: Web Application
 - Name: Grafana
 - Authorized JavaScript Origins: <https://grafana.mycompany.com>
 - Authorized Redirect URLs: <https://grafana.mycompany.com/login/google>
 - Replace <https://grafana.mycompany.com> with the URL of your Grafana instance.
4. Click Create
5. Copy the Client ID and Client Secret from the 'OAuth Client' modal

Enable Google OAuth in Grafana

Specify the Client ID and Secret in the [Grafana configuration file]({{< relref "../administration/configuration.md#config-file-locations" >}}). For example:

```
[auth.google]  
enabled = true  
client_id = CLIENT_ID  
client_secret = CLIENT_SECRET  
scopes = https://www.googleapis.com/auth/userinfo.profile https://www.googleapis.com/auth/u  
auth_url = https://accounts.google.com/o/oauth2/auth  
token_url = https://accounts.google.com/o/oauth2/token  
allowed_domains = mycompany.com mycompany.org  
allow_sign_up = true
```

You may have to set the `root_url` option of `[server]` for the callback URL to be correct. For example in case you are serving Grafana behind a proxy.

Restart the Grafana back-end. You should now see a Google login button on the login page. You can now login or sign up with your Google accounts. The `allowed_domains` option is optional, and domains were separated by space.

You may allow users to sign-up via Google authentication by setting the `allow_sign_up` option to `true`. When this option is set to `true`, any user successfully authenticating via Google authentication will be automatically signed up.