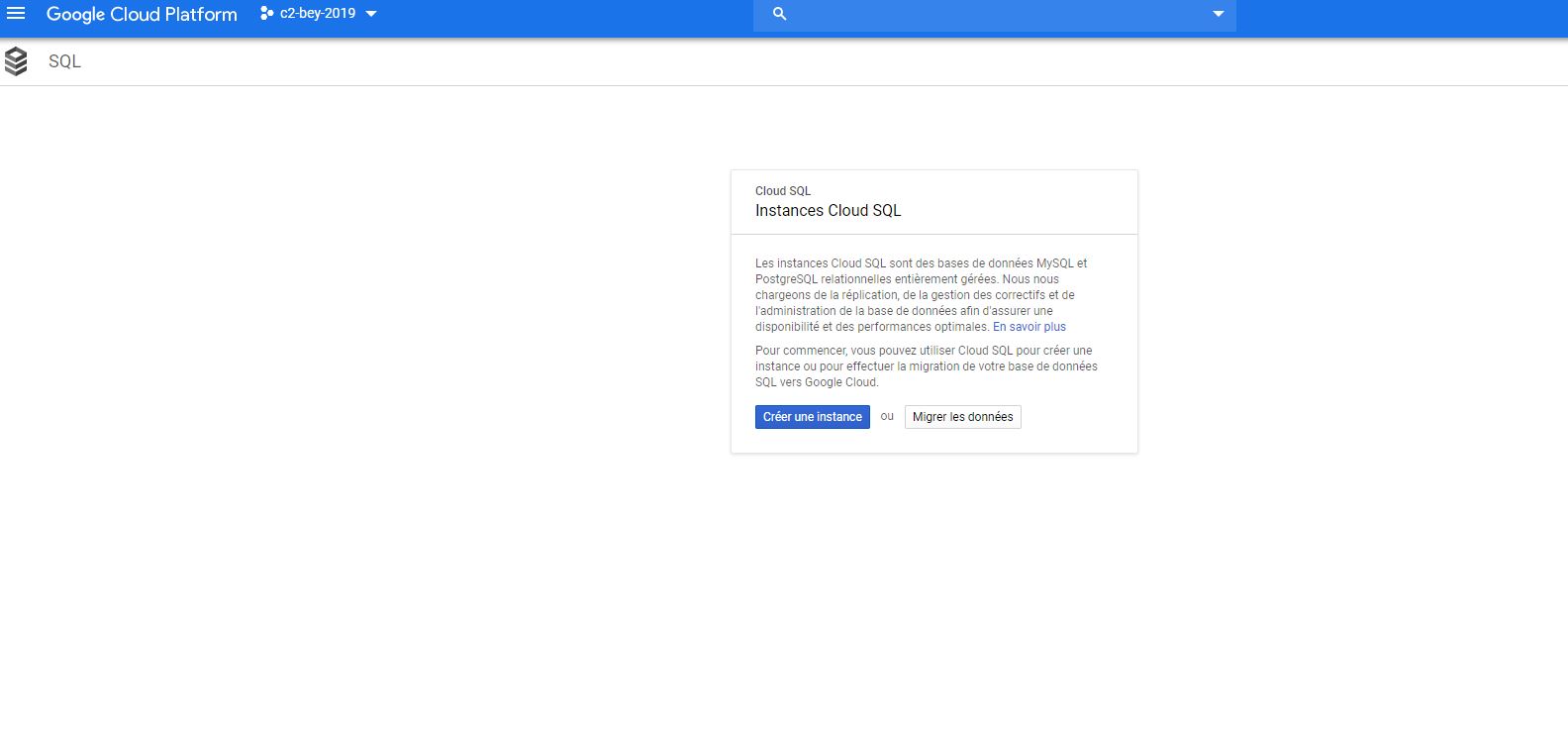
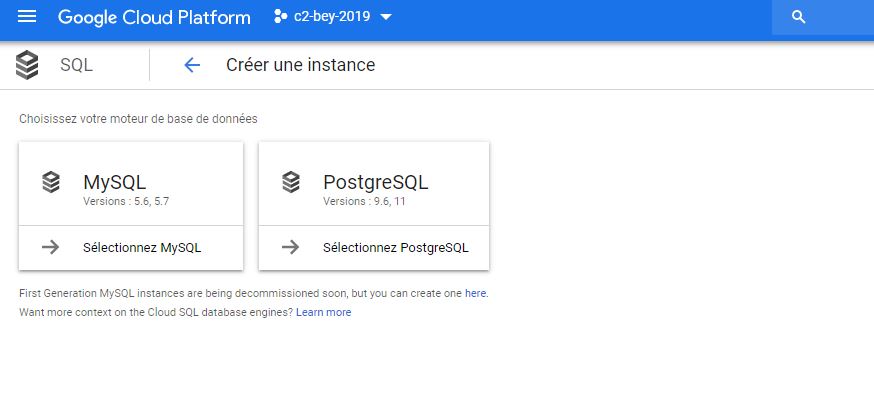
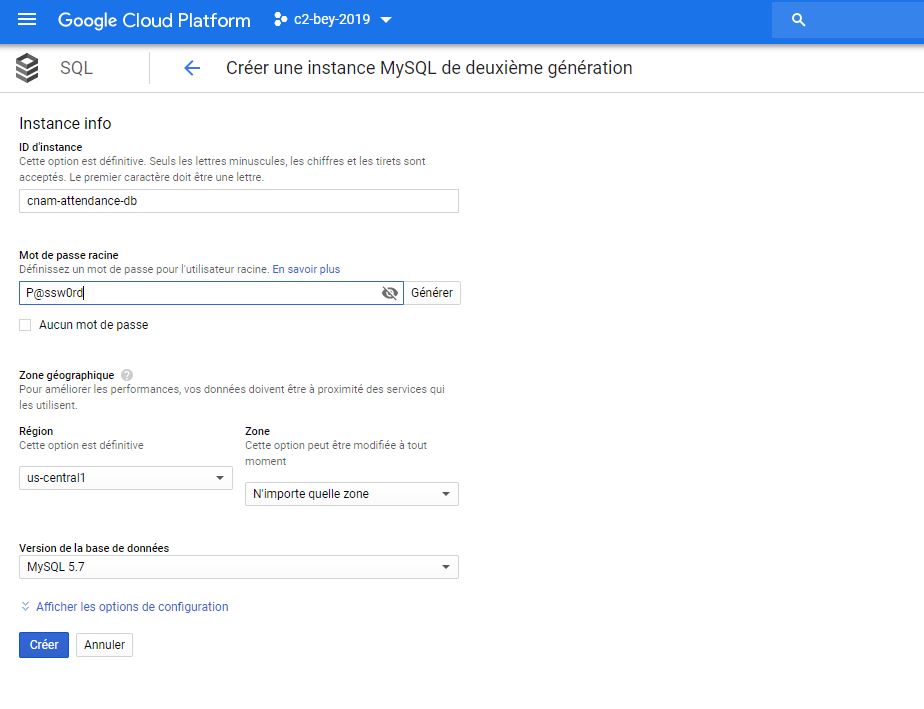
**Déploiement de l’infrastructure de CNAMEtudiant sur Google Cloud**

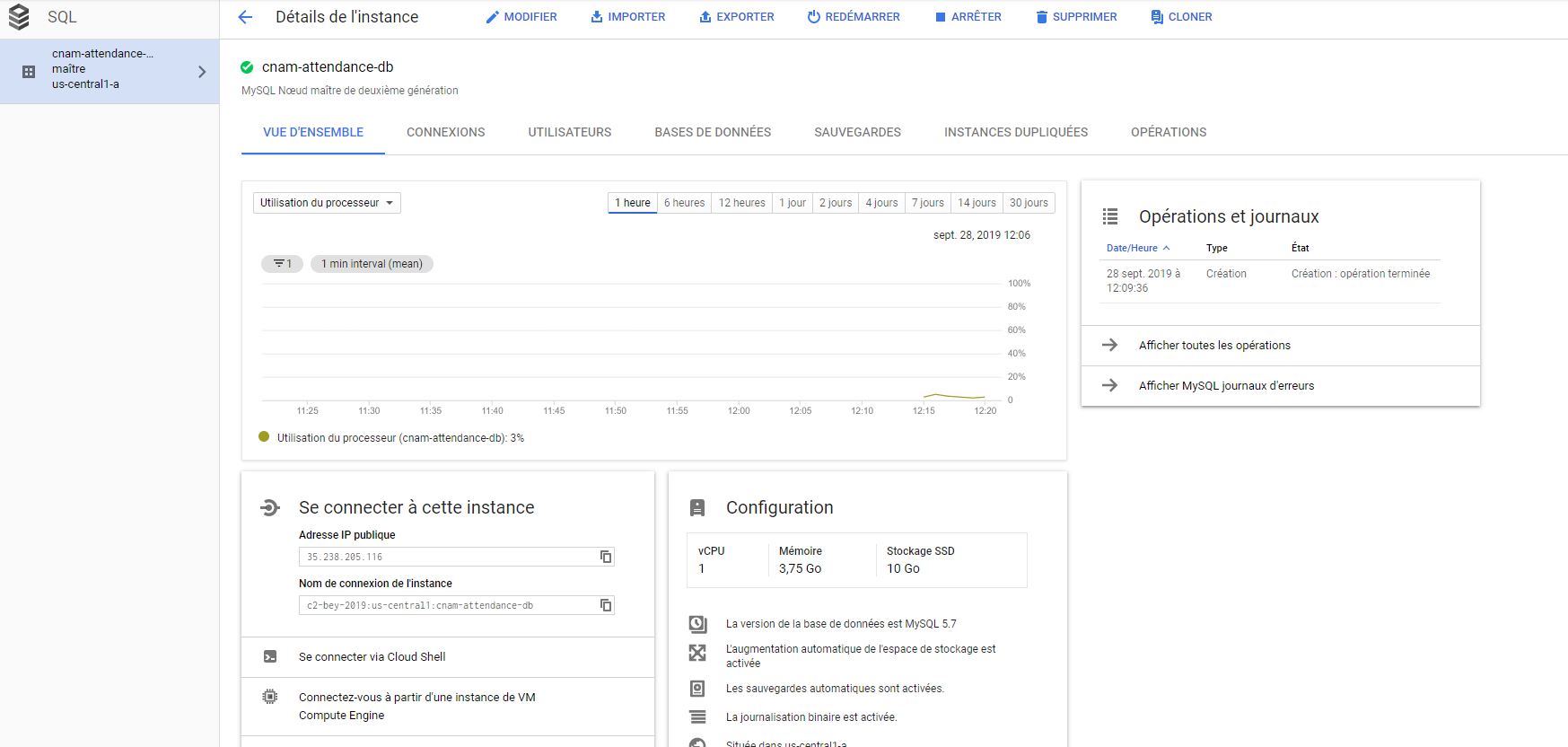
1. Déploiement d’un service Cloud SQL pour héberger la base de données Mysql CNAM\_Attendance\_DB.
2. Déploiement d’un service App Engine de phpMyAdmin pour gérer et importer les tables sur la base de données CNAM\_Attendance\_DB
3. Déploiement d’un serveur Payara sur Google Cloud pour héberger CNAMAttendance Webapp
4. **Déploiement d’un service Cloud SQL**
5. Accéder à Google Cloud Platform Console et créer un nouveau projet (ex. : c2-bey-2019)

b- Accéder à SQL et choisir de créer une instance ensuite choisir MySQL

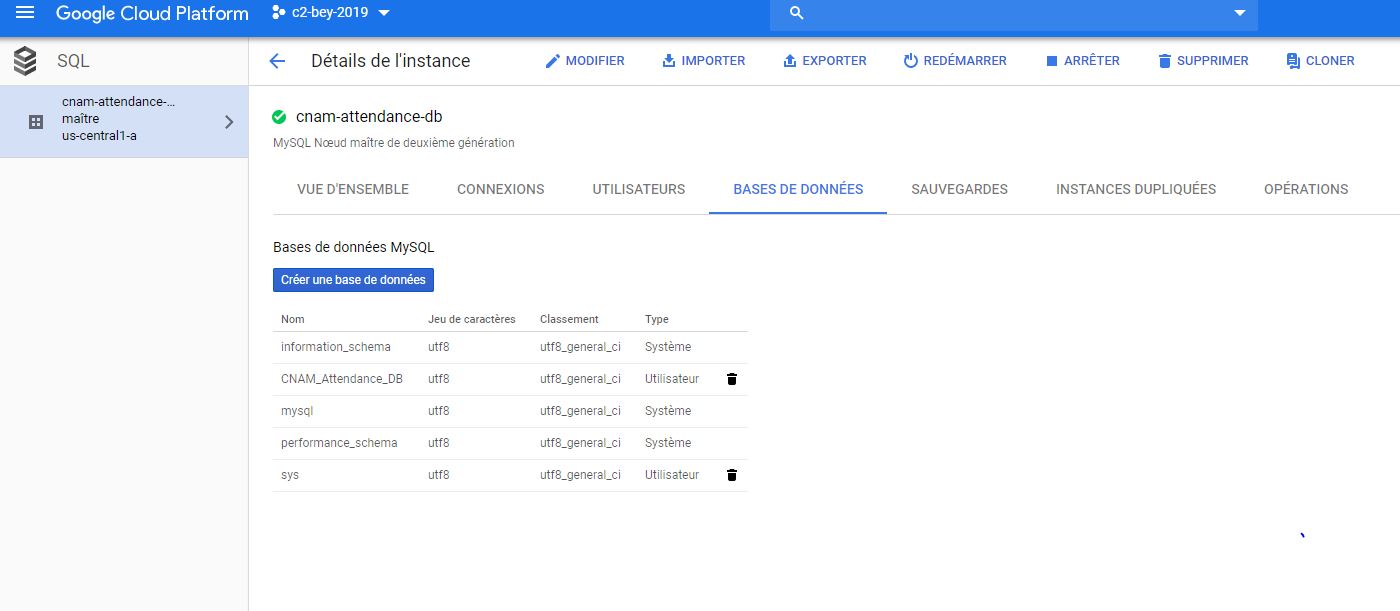


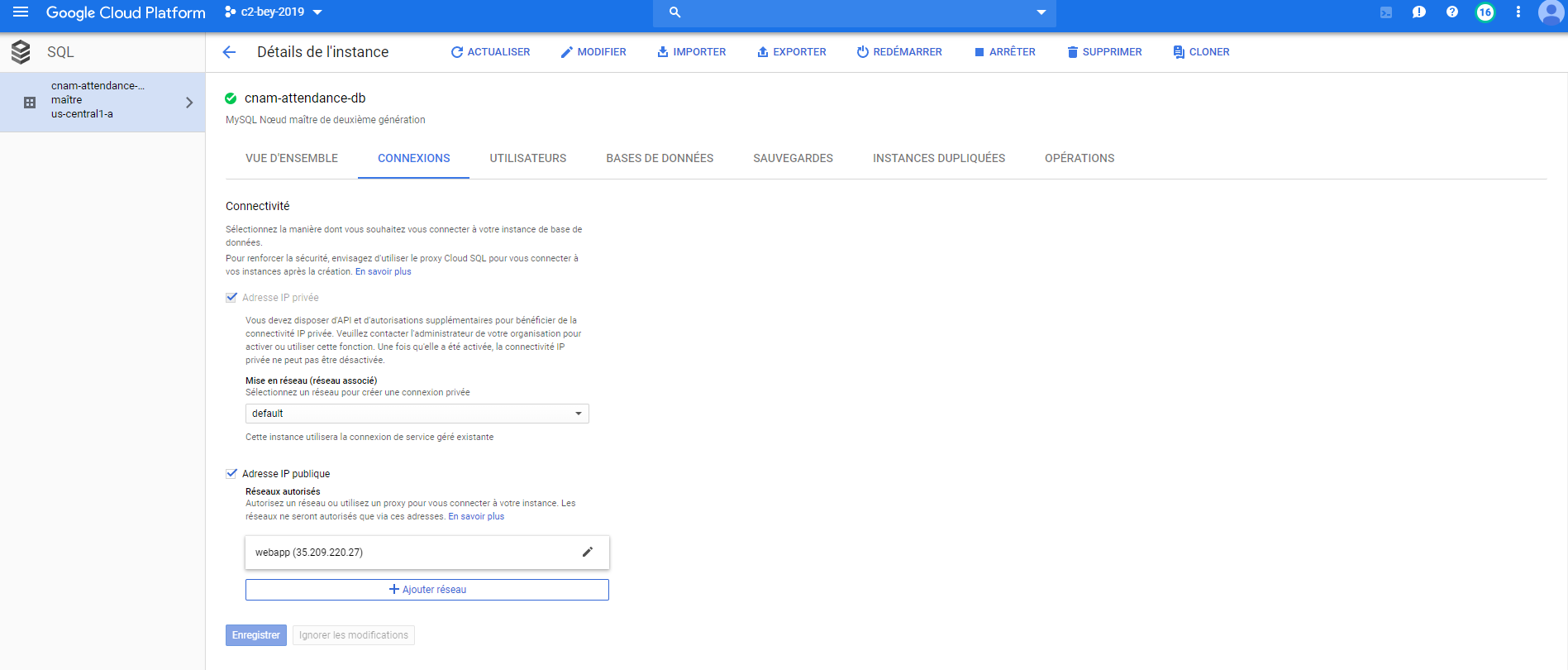
c- Nommer l’instance "cnam-attendance-db" et définir le mot de passe de l’utilisateur root

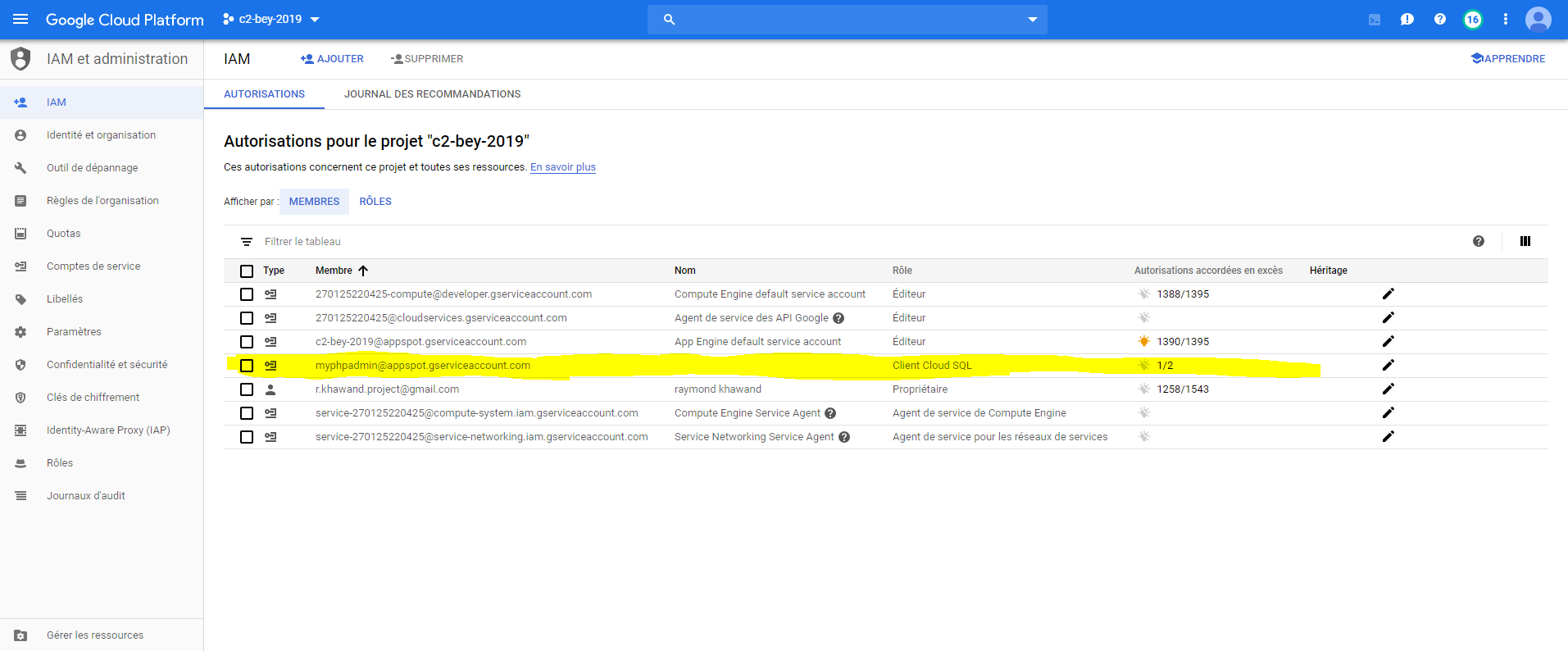
d-Après la création de l’instance, accéder à la page BASES DE DONNEES



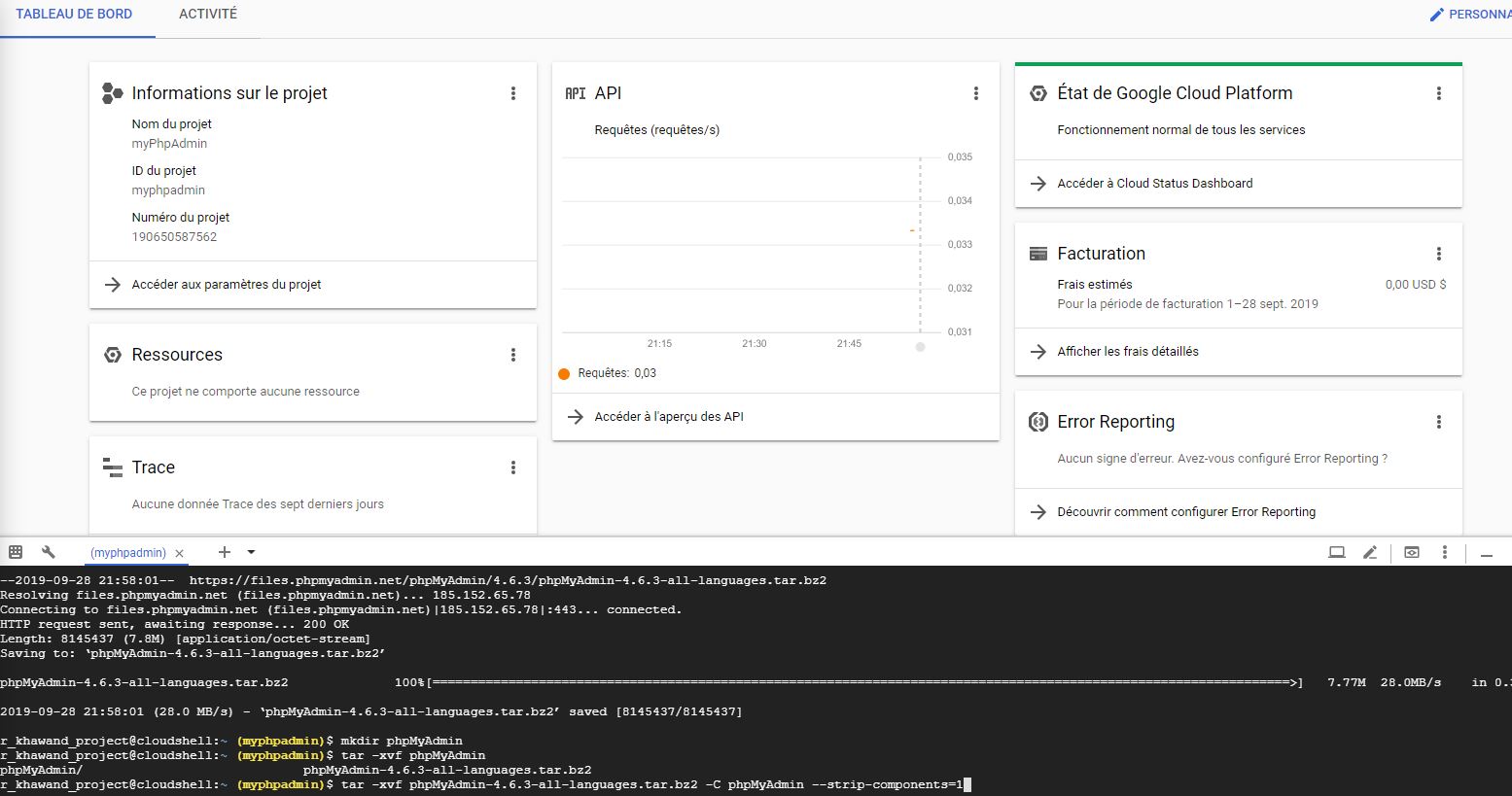
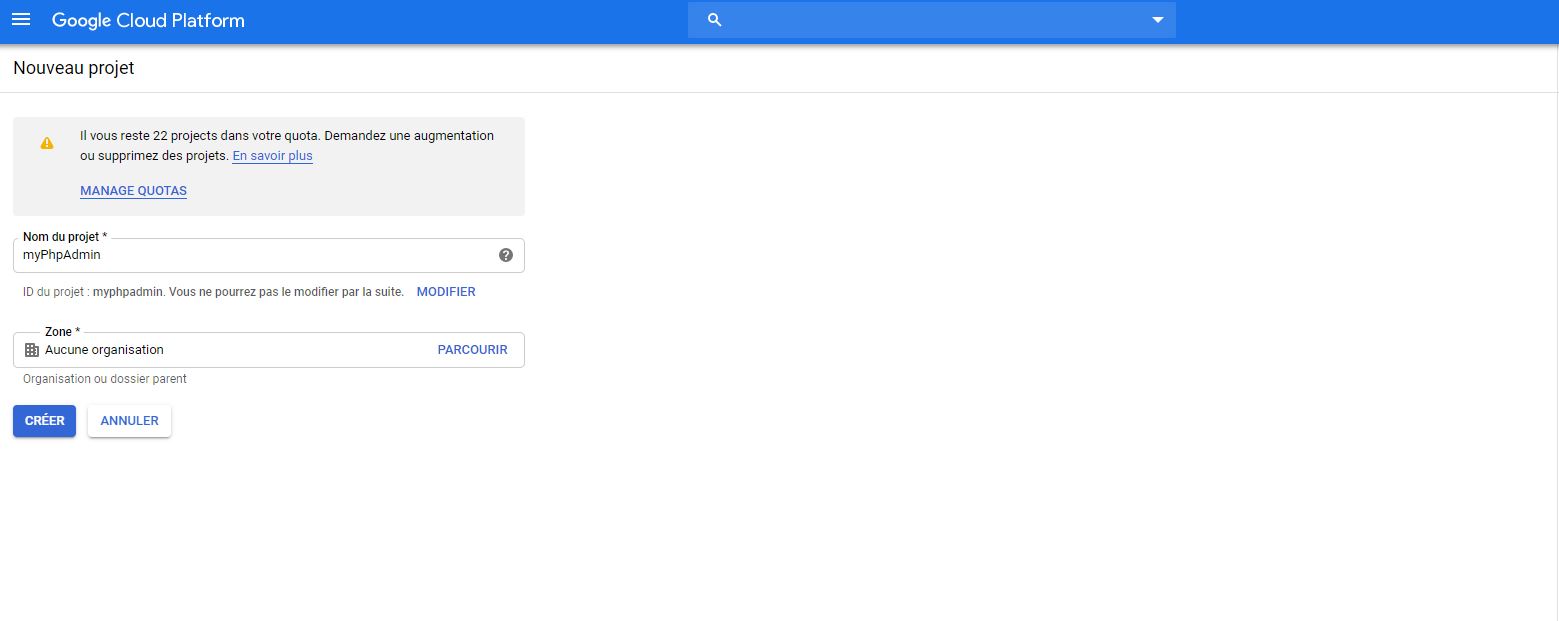
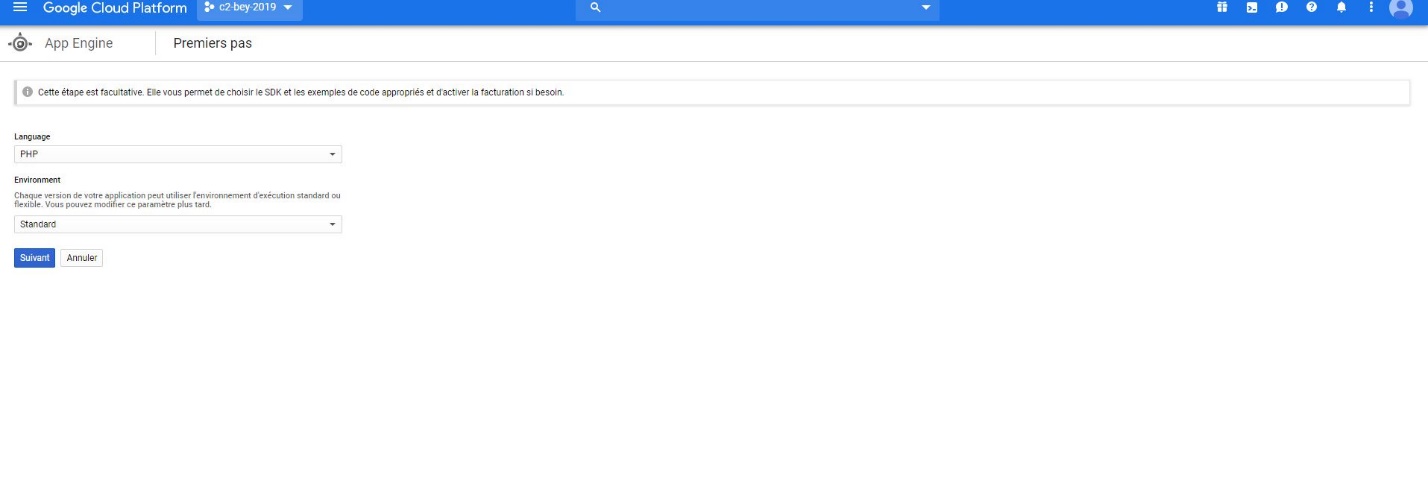
e- Cliquer sur Créer une base de données et nommer la CNAM\_Attendance\_DB







1. **Déploiement d’un service App Engine de phpMyAdmin**2.1 Créer un nouveau projet et le nommer myPhpAdmin



Déployer phpMyAdmin

2.2 - Démarrer Google Cloud Shell

2.3 - wget https://files.phpmyadmin.net/phpMyAdmin/4.6.3/phpMyAdmin-4.6.3-all-languages.tar.bz2

2.4 - mkdir phpMyAdmin

2.5 - tar -xvf phpMyAdmin-4.6.3-all-languages.tar.bz2

2.6 - cd phpMyAdmin

2.7 - touch app.yaml

2.8 - vi app.yaml et ajouter le suivant :

service: phpmyadmin  
runtime: php55  
api\_version: 1  
  
handlers:  
  
- url: /(.+\.(ico|jpg|png|gif))$  
  static\_files: \1  
  upload: (.+\.(ico|jpg|png|gif))$  
  application\_readable: true  
  
- url: /(.+\.(htm|html|css|js))$  
  static\_files: \1  
  upload: (.+\.(htm|html|css|js))$  
  application\_readable: true  
  
- url: /(.+\.php)$  
  script: \1  
  login: admin  
  
- url: /.\*  
  script: index.php  
  login: admin

2.9 - touch config.inc.php

2.10 – Ajouter le suivant

<!-- [START all] -->

<?php

// [START\_EXCLUDE silent]

/\*\*

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\*/

// [END\_EXCLUDE]

/\*

\* This is needed for cookie based authentication to encrypt password in

\* cookie

\* http://www.question-defense.com/tools/phpmyadmin-blowfish-secret-generator

\*/

$cfg['blowfish\_secret'] = '{{your\_secret}}'; /\* YOU MUST FILL IN THIS FOR COOKIE AUTH! \*/

/\*

\* Servers configuration

\*/

$i = 0;

// Change this to use the project and instance that you've created.

$host = '/cloudsql/{{your\_connection\_string}}';

$type = 'socket';

/\*

\* First server

\*/

$i++;

/\* Authentication type \*/

$cfg['Servers'][$i]['auth\_type'] = 'cookie';

/\* Server parameters \*/

$cfg['Servers'][$i]['socket'] = $host;

$cfg['Servers'][$i]['connect\_type'] = $type;

$cfg['Servers'][$i]['compress'] = false;

/\* Select mysql if your server does not have mysqli \*/

$cfg['Servers'][$i]['extension'] = 'mysqli';

$cfg['Servers'][$i]['AllowNoPassword'] = true;

/\*

\* End of servers configuration

\*/

/\*

\* Directories for saving/loading files from server

\*/

$cfg['UploadDir'] = '';

$cfg['SaveDir'] = '';

/\*

\* Other settings

\*/

$cfg['PmaNoRelation\_DisableWarning'] = true;

$cfg['ExecTimeLimit'] = 60;

$cfg['CheckConfigurationPermissions'] = false;

// [END all]

2.10 ouvrir <http://www.question-defense.com/tools/phpmyadmin-blowfish-secret-generator>

2.11 – remplacer {{your-secret}} par le code généré par la page précédente

2.12 – Aller au Service SQL – Chercher de l’instance la valeur de Instance connection name – et replacer la zone {{your\_connection\_string}} de $host par cette valeur

2.13 - touch php.ini

2.14 – ajouter le suivant au fichier php.ini  
 google\_app\_engine.enable\_functions = "php\_uname, getmypid"

2.15 - gcloud components update

2.16 - gcloud app deploy

2.17 - tester l’application : <https://myphpadmin.appspot.com/index.php>

1. **Déploiement d’un serveur Payara**

