## Deployment

### Database setup

1. Run the database script /update.sql.

### Main API setup

1. Copy the /main-api directory.
2. Go to /main-api directory.

$ cd main-api

1. Install node modules.

main-api$ npm install

1. Copy the /main-api/.env.example to /main-api/.env then, fill out the config by editing the .env file. You may refer to the config documentation.
2. Start the app using [pm2](https://pm2.keymetrics.io/).

main-api$ pm2 start dist/main.js -i 0 -n main-api

*Note:*

* The -i 0 is the number of instances (0 means the maximum number of CPUs).
* The -n main-api is the name of instance in [pm2](https://pm2.keymetrics.io/).
* Make sure you are in the /main-api directory when starting the app to read the .env config file.

*Please refer to* [*pm2 documentation*](https://pm2.keymetrics.io/docs/usage/quick-start/) *for other configs.*

1. Check the status of the instance(s).

main-api$ pm2 list

1. Save the instance(s) to automatically start on server startup.

main-api$ pm2 save

### Main App setup

1. Just copy the /main-app directory.

*Note: The app is not yet running, let’s go to the* [*Nginx setup*](#nginx-setup)*.*

### PDF.js App setup

1. Just copy the /pdfjs directory.

*Note: The app is not yet running, let’s go to the* [*Nginx setup*](#nginx-setup)*.*

### Nginx setup

1. Create a server for the Main App.

server {  
 listen 5000;  
  
 location / {  
 root [BASE\_PATH]/main-app/build;  
 index index.html index.htm;  
 try\_files $uri /index.html;  
 }  
}

1. Create a server for the PDF.js App.

server {  
 listen 5001;  
  
 location / {  
 root [BASE\_PATH]/pdfjs;  
 index index.html index.htm;  
 try\_files $uri /index.html;  
 }  
}

1. Set up the reverse proxy in the root server.

location / {  
 proxy\_pass http://localhost:5000;  
}  
  
location /pdfjs {  
 rewrite /pdfjs/(.\*) /$1 break;  
  
 proxy\_pass http://localhost:5001;  
}  
  
location /api {  
 proxy\_pass http://localhost:5002;  
}

*Note:*

* Replace the [BASE\_URL] to the location of the directories.
* 3002 is the port of Main API running from [pm2](https://pm2.keymetrics.io/).
* You may add client\_max\_body\_size if documents’ file sizes are larger than the default.