

Section 29 - Deploying your web Application.

① → What is Heroku?

→ We have been hosting our website locally uptill now, which is good if we are developing a new app and testing it.

→ But what if the app is ready and we want others to use it i.e we have to deploy it.

→ Heroku comes in here, it is a platform as a service that enables developers to build, run and operate applications entirely on cloud.

② → How does it work? Why can't we use Github?

① → Github can only host static websites, we can't have our own servers.

(ii) → Server 24x7, for free (5 apps) in Heroku.

(iii) → Step 1: Sign up in Heroku.

(iv) Step 2 ⇒ Download Heroku CLI interface.

Your machine should have git too.

(v) Step 3 ⇒ They have a sample app for you to upload.
you can git clone it and follow.

(or) you can have your own app.

(vi) Step 4 ⇒ Inside app.js ⇒ app.listen(3000, ...)

⇒ change it to ⇒ app.listen(process.env.PORT || 3000, ...)

(vii) Step 5 ⇒ a txt file named procfile

⇒ touch 'procfile'

⇒ write 'web: node app.js' in it

⇒ Tells heroku how we want to run our app.

(viii) Step 6 ⇒ Save our work to git.

⇒ git init (after you cd to your folder)

⇒ git add.

⇒ git commit -m "first version"

⇒ heroku create (might ask for username & password)

⇒ git push heroku master.

↳ pushes everything got to heroku's server.

Updating your app.

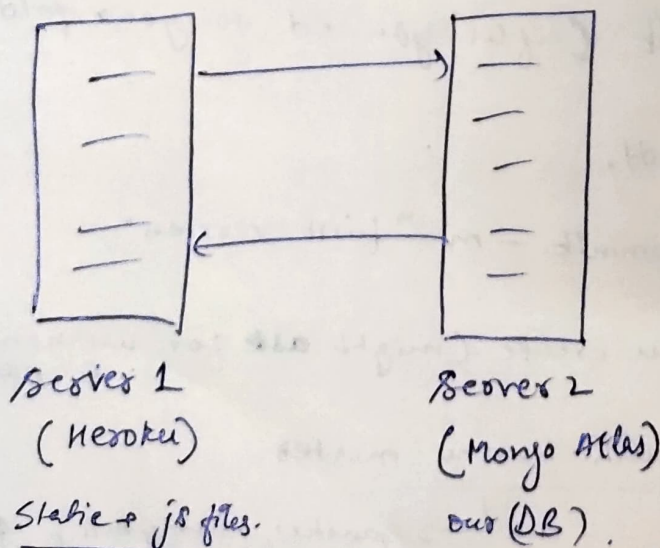
→ App versions can be updated by:-

→ $\left[\begin{array}{l} \text{git add.} \\ \text{git commit} \\ \text{git push heroku master.} \end{array} \right]$

→ heroku logs ? if you face error in deployment.

③ How to deploy apps with databases?

Just as we use heroku for backend services, we can use Mongo Atlas for using database as a service.



Nothing hosted locally now.