

Heroku Masterclass – How to deploy your Node Js App on Heroku?

How to create a local git repository?

1) git init

- It is used to initialize local git repository
- It will create a directory with the name .git on your root folder and it will contains all metadata of your repository

2) Create .gitignore file

- Add the folders and files you want to ignore
- Folder Name: Add / at the end of your folder name. E.g. node-modules/

3) git add .

- . means all files and folders excluding the files and folders present in your .gitignore file
- Stage files and folders in the working directory to your local repository

4) git commit -m "Commit Message"

- Save all the staged files to your local repository
- It will create a new commit object pointing to it

5) git status

- Used to check the status of your local repository

Here is the link to get the list of all the essential commands of Git <https://github.com/bpassos/git-commands>

How to push your changes to Heroku?

6) Heroku cli

- It will create a new empty application on Heroku, along with an associated empty Git Repository. If you run this command from your app's root directory, the empty git repository is automatically set as a remote for your local repository

7) git remote -v (Optional)

- It is used to check the remote name

8) git remote rename heroku new-heroku (Optional)

- It is used to change the name of your remote

9) git push new-heroku master (Here new-heroku is my remote name)

- It is used to push the code from your local repository's master branch to your heroku remote's master branch

How to view Logs?

- heroku logs
 - It is used to return logs of your Heroku application
- heroku logs -n 200
 - logs command retrieves 100 log lines by default.
 - You can fetch up to 1, 500 lines by using -n or --num option
 - In the above example, I fetched 200 lines by using -n 200
- Heroku logs --tail
 - -t or --tail is used to display the recent logs
 - It leaves the session open for real-time logs to stream in
 - Used to **debug** current problems

You can also try papertrail addon to effectively manage your logs

<https://elements.heroku.com/addons/papertrail>

How to set Environment Variable?

1) heroku config:set <<environment-variable-name>> = <<value>>

- heroku config commands is used to manage your app's config variables (i.e., environment variables)
- set is used to set or update an environment variable

2) Heroku config:get <<environment-variable-name>>

- Used to get the value of an environment variable

3) Heroku config:unset <<environment-variable-name>>

- Used to remove the environment variable

How to update your Heroku Site?

1) git add .

- . means all files and folders that you updated excluding the files and folders present in your .gitignore file
- State files and folders in the working directory to your local repository

2) git commit -m "Commit Message"

- Save all the staged files to your local repository
- It will create a new commit object pointing to it

3) git status

- Used to check the status of your local repository

4) git push new-heroku master (Here new-heroku is my remote name)

- It is used to push the code from your local repository's master branch to your heroku remote's master branch