

# Deployment Pre Read



In this session, we will need to have some knowledge on the below topics that we have already covered in previous classes:

1. NodeJS
2. ExpressJS

## What is Github?

Github is a revolutionary tool that helps code hosting and supports versioning and collaboration. Multiple people can collaborate and work on a large project easily and efficiently.

With the help of code versioning, you can move back to older changes and can easily identify and remove bugs.

## Hosting:

Hosting means making our application available to the users via the internet.

## Cloud service:

Cloud platform helps developers maintain, build, deliver, and scale apps.

Serve your local setup online, make it live via the internet, and make your server available 24/7. That's why we need some remote server to deploy it and forget, so the cloud/server provider will maintain our application for us.

## Industry Usage

Node.js

- Supports by 1000+ organizations in 200+ countries.
- 2 million+ downloads/month.
- 82.8k stars on their GitHub repo - <https://github.com/nodejs/node>

Github

- 73+ Million Developers
- 4+ Million Organisations
- 200+ Million Repositories
- 84% Fortune of 100

Cloud

- Need to host applications
- Scaling and making application available to user 24/7

Tools Needed

You will need to install the NodeJS - [link here](#).

You will need to install the git - [link here](#).

You will need to install VSCode

In this session we will understand how to use Github and deploy our application to Heroku.