

Express JS

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It provides tools like routing mechanism, middleware integration, so all the node js task can be done easily.

Imports -> express, morgan, body-parser

It has 4 components - application, request, response, router

Steps to install:

- Npm init
- Npm install express

Using express

- Const express = require('express')
- Const app = express();
- App.get('/',(req, res) => res.send('hello world'));
- App.listen(3000, () => console.log('application started'))

NOTE: If you want all the changes to be shown immediately without restart -> npm install nodemon

Middleware

its used for logic or some operation in the request can be given:

```
Const middleware = (req, res, next) =>{
```

```
    Next();
}
```

Or

```
Const middleware = (err, req, res, next) => {
```

```
    Next();
}
```

And call this middle ware using use:

```
App.use(middleware);
```

Morgan Middleware

This is a custom middle ware which will handle all our logging, so we don't have to bother about its mostly its used after

- Npm install morgan
- Const morgan = require('morgan')
- App.use(morgan('value'))

Value can be 4 types dev, tiny, etc., based on the logging needs..

Body Parser

This is used to convert the request or response body to json or something

- Npm install body-parser
- Const bodyParser = require('body-parser')
- From the app use it by calling the methods -> app.use(bodyParser.json())
- If you want to use only for a particular path -> app.use('./test', bodyParser.json())