

# Express JS

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10:20 AM

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())`