Time Server Node.js

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20011

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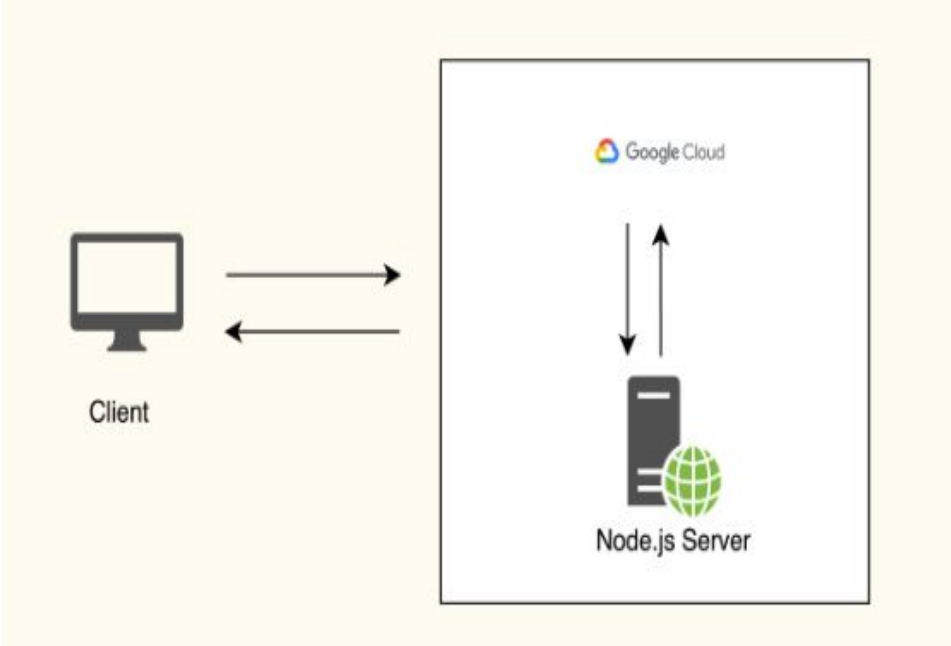
- TEXT EDITOR WITH PROJECT CODES
- STARTING THE SERVER
- RESULTS

FEATURES

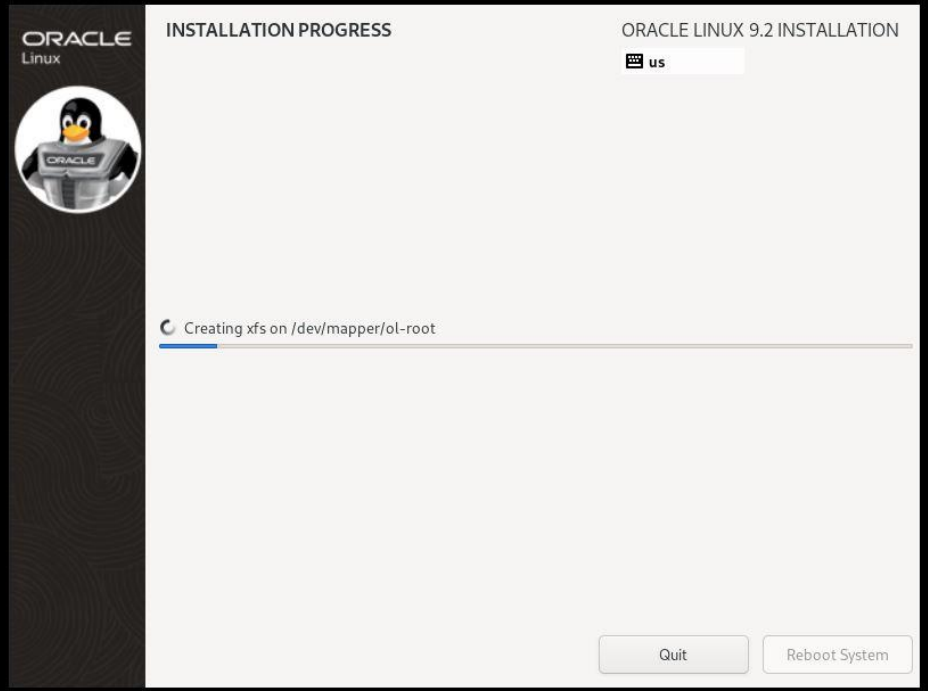
- An ubuntu vm host engine
- Text editor
- Ubuntu Terminal
- Browser



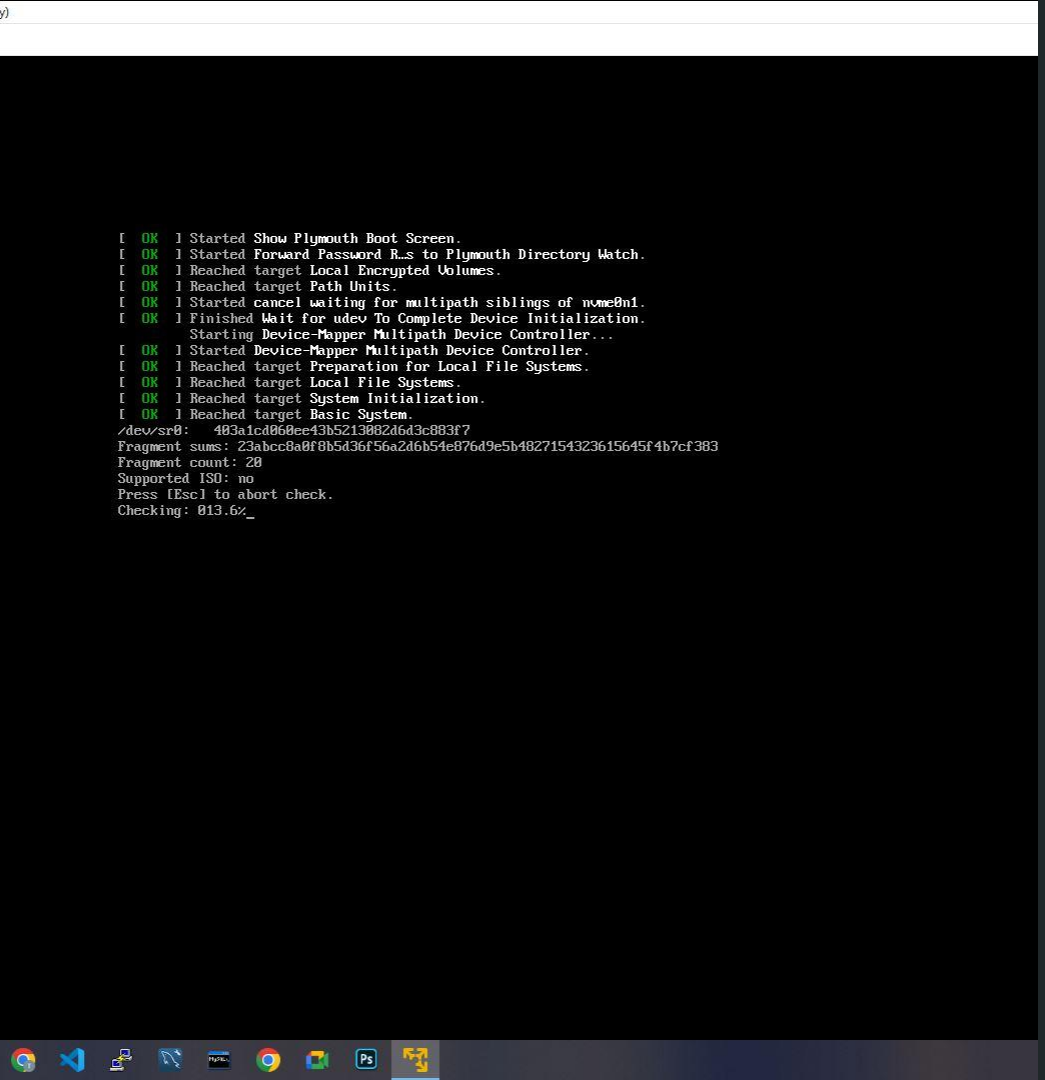
EXPECTATIONS

DELIVERABLES

- Installation of VM
- Installation of nodejs
- Installation of npm
- Create code in Texteditor
- Starting the server
- Results



Installation of VM



Installation of VM

```
temitayoalli@LinuxUbuntu:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nodejs is already the newest version (12.22.9~dfsg-1ubuntu3.3).
0 upgraded, 0 newly installed, 0 to remove and 538 not upgraded.
temitayoalli@LinuxUbuntu:~$
```

Installation of nodejs

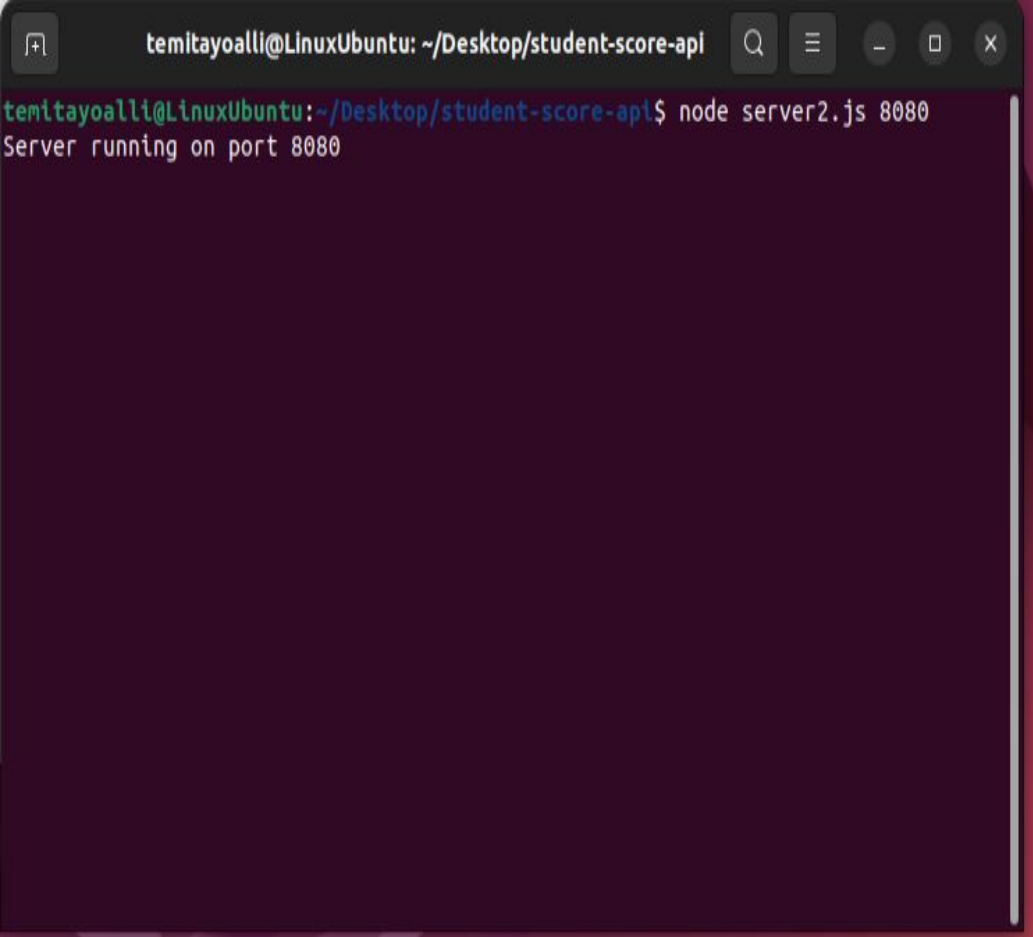
```
temitayoalli@LinuxUbuntu:~$ sudo apt-get install -y nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nodejs is already the newest version (12.22.9~dfsg-1ubuntu3.3).
0 upgraded, 0 newly installed, 0 to remove and 538 not upgraded.
temitayoalli@LinuxUbuntu:~$
```

Installation of npm

TEXT EDITOR WITH PROJECT CODES

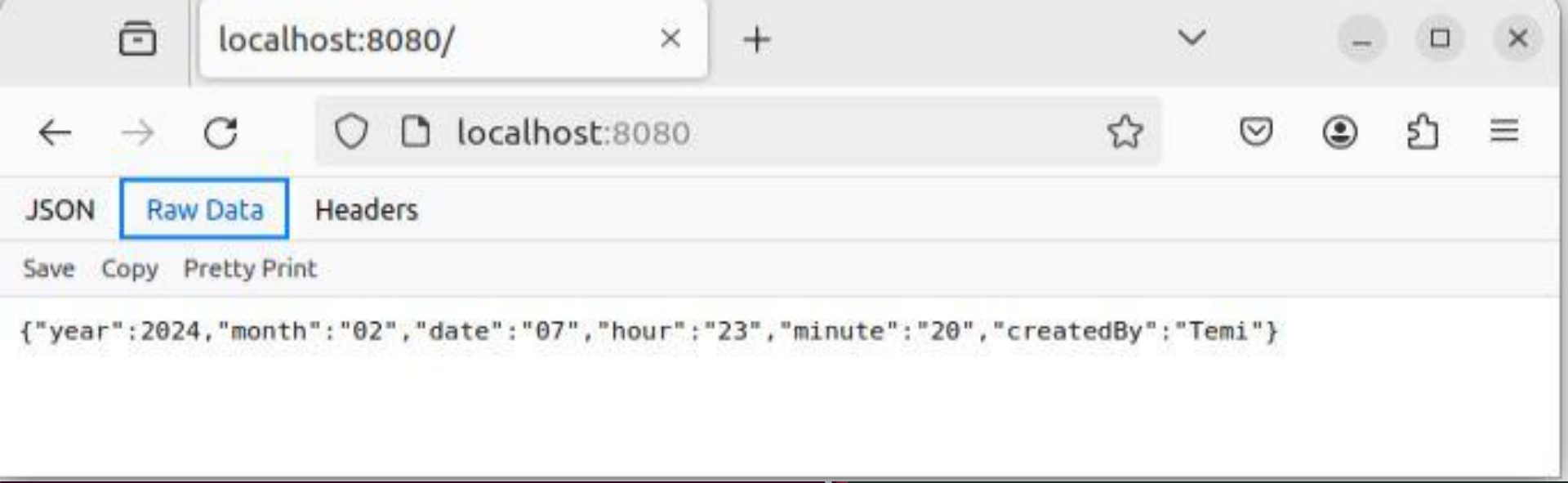
Open | time_server2.js ~/Desktop | Save

```
1 const http = require('http');
2
3 function zeroFill(i) {
4   return (i < 10 ? '0' : '') + i;
5 }
6
7 function now() {
8   var d = new Date();
9   return {
10     year: d.getFullYear(),
11     month: zeroFill(d.getMonth() + 1),
12     date: zeroFill(d.getDate()),
13     hour: zeroFill(d.getHours()),
14     minute: zeroFill(d.getMinutes()),
15     createdBy: "Temi" // Added field with text "Created by Temi"
16   };
17 }
18
19
20 let server = http.createServer((req, res) => {
21   // Set a response type of application/json for the response
22   res.writeHead(200, {'Content-Type': 'application/json'});
23
24
25   res.end(JSON.stringify(now()));
26 });
27
28
29 const port = Number(process.argv[2]) || 8080;
30 server.listen(port, () => {
31   console.log('Node server running on http://localhost:' + port);
32 });
33
```



STARTING THE SERVER

- You have to open the terminal from where you created your directory and follow through with other instructions.
- Run “node time_server2.js 8080”
- Copy link and access in a browser


localhost:8080/
localhost:8080
JSON
Raw Data
Headers
Save
Copy
Pretty Print
{"year":2024,"month":"02","date":"07","hour":"23","minute":"20","createdBy":"Temi"}

Results

REFRENCE

- Exercises for Learnyounode. (2021). Sfbu.edu. https://hc.labnet.sfbu.edu/~henry/npu/classes/javascript/node_js/course/nodeschool/learnyounode/exercise_learnyounode.html
- Node.js on Ubuntu. (2024). Sfbu.edu. https://hc.labnet.sfbu.edu/~henry/npu/classes/javascript/node_js/slide/ubuntu.html
- Time Server. (2021). Sfbu.edu. https://hc.labnet.sfbu.edu/~henry/npu/classes/javascript/node_js/course/nodeschool/learnyounode/time_server.html
- Exercises for Ubuntu. (2020). Sfbu.edu. https://hc.labnet.sfbu.edu/~henry/npu/classes/linux/ubuntu/slide/exercise_ubuntu.html#setup

Conclusion

In conclusion, the deployment of a Node.js time server on a local VM on a windows environment was a success.