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NAMASTE

Node.js

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Subject: EPISODE-1 | Introduction to NodeJs

Date:   /  /  

NODE-JS - RUN JAVASCRIPT Everywhere

Node-Js is a cross-platform, open-source, Javascript run time Environment that can run on windows, Linux, macOS and more.

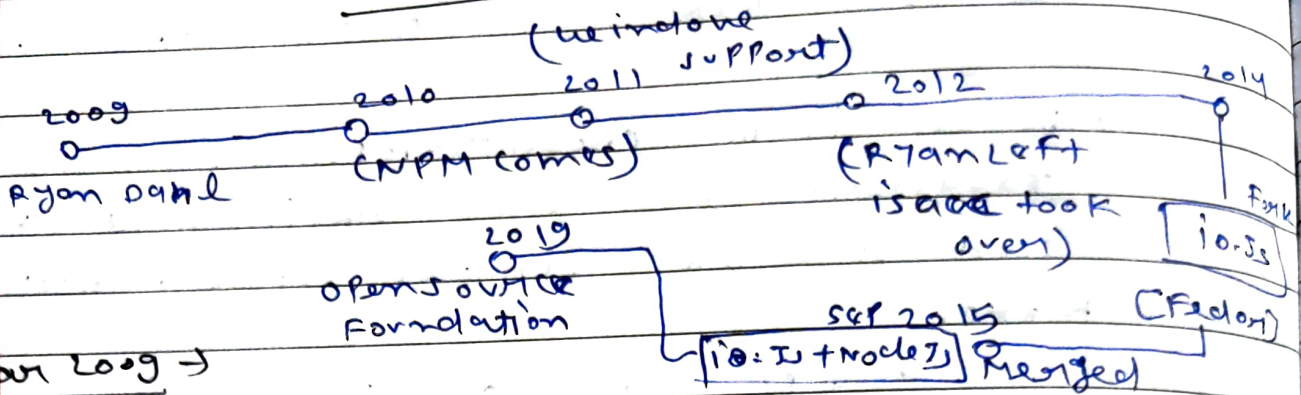
NodeJs runs on the v8 Javascript engine and execute Javascript code outside a web Browser.

Note

NodeJs has an event-driven architecture capable of asynchronous I/O.

NodeJs is released it's first version in "2009" and It is developed by "Ryan Dahl"

Subject: \_\_\_\_\_

History of NodeJS

\* Year 2009 →

Ryan developed first version of nodeJS on ~~spider~~ "Spider Monkey" which is the engine of "Firefox".

~~when~~ In the starting phase Ryan give the name of this as "webJS" because it is working on web.

But later on, Ryan understood the potencial of the application and he decided to ~~change~~ the name. and he rename ~~the~~ it as "NodeJS"

Also, He worked on Spider Monkey for 2 days only then He shifted to "v8 engine" (Google chrome) and nodeJS completely work on "v8 engine".



Subject: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

After Releasing some version, There was an company which name is "~~Joyent~~"  
"~~Joyent~~"  
"Joyent"

They also working on the similar thing so they give the offer to Ryan to join the company and they want Ryan and the companies' members will work together on node.js.

After Ryan agree "JOYENT" took over the node.js

\* What is the reason to create Node.js?

Before Node.js there was a "Apache HTTP server". Apache used to create HTTP server and this is a blocking server.

But Ryan wants to build non-blocking server so he created Node.js.

① ✓ The advantage of non-blocking server is

It can handle multiple request with lesser number of threads.

Subject: \_\_\_\_\_

\* Year 2010

NPM → NPM is basically a registered on a central place where we can add the package and package can be anything.

↳ "Isaac" created the NPM

\* Year 2011 → windows support

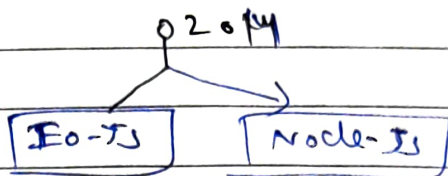
Initially, NodeJS works on MacOS and linux but in 2011 Joyent partnership with Microsoft for the windows support, so NodeJS can spread globally.

\* Year 2012 → Ryan left the project and "Isaac" (who developed the NPM) took over the project.\* Year 2014 → NodeJS is an open source so the developer whose name was "Fedox" He forked the NodeJS and created a new JS which name is 'io-JS'.  
io-JS : now two NodeJS are running

Subject: \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

with different maintainers.



\* Year 2015 → In September 2015, A new Association of <sup>Foundation</sup> ~~Federation~~ has been established which name was

"Node.js <sup>Foundation</sup> Federation"

In this <sup>Foundation</sup> ~~Federation~~ They merged the io.js and node.js and maintain the node.js to avoid the confusion and removing or resolving the issue of maintain.

Io.js + Node.js = Node.js <sup>Foundation</sup> Federation

\* Year 2019 → There was two ~~Foundation~~ <sup>major</sup> community which is "Js Foundation" and "Node.js Foundation"

In 2019, They got merged and create a new community which name is

"open source Foundation" • It took over the node.js Foundation and now it will maintain the node.js.