

"Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine."

OTP Generation Library [IMPORTANT]

1. otpauth (Algo -> SHA512)

JWT Sessions Generations [IMPORTANT]

2. jsonwebtoken (Algo -> RS256)

HASHING AND ENCRYPTION [IMPORTANT]

3. crypto -> cryptographic functionality.
Hashing Algo -> sha1 , sha256
Encryption Algo -> aes-256-cbc

MOST USED MODULES [IMPORTANT]

4. path -> for working with file and directory.
5. dotenv -> loads environment variables
6. underscore -> for object and array manipulation
7. moment -> for time & date manipulation.
8. body-parser -> parse incoming request and store to req.body property.
9. continuation-local-storage -> thread-local storage for storing transaction id
10. async -> for asynchronous functionality
async.waterfall, async.series ,
async.parallel

API SERVICE CREATIONS [IMPORTANT]

11. express -> webframework to create api

LOGGING LIBRARY [IMPORTANT]:

12. winston -> logging library
13. winston-daily-rotate-file -> for rotating logs files

"The event-driven paradigm is the heart of Node.js"

UNIT TEST MODULES [IMPORTANT]

14. supertest -> for HTTP calls
15. mocha -> for unit test framework
16. chai -> assertion library

READ AND WRITE MODULES:

17. readline -> used for command line interace and emitting events for new line read
18. jsonfile -> Easily read/write JSON files in Node.js
19. json-mask -> filtering a json object
20. mask-json -> masked json object
21. fs -> for handling file read and write

DATA VALIDATION:

22. uuid-validate -> checking uuid format
23. uuid -> to generate uuid format. For e.g.
uuid.v1() , uuid.v4()
24. luhn -> for credit card and imei validations
25. randomstring -> to generate random string
26. password-validator -> for password validation like isMin() isMax()
27. validator -> This library validates and sanitizes strings only.
28. util -> for array check and manipulation
29. base-64 -> for encoding and decoding
30. string -> for string manipulations

"3 modules different in jioMoney as compared to IDAM (highlighted in blue color)"

"Node.js is asynchronous in nature, created by Ryan Dahl"

DATA BASE MODULES [IMPORTANT]

31. ldapjs -> for ldap database connection driver
32. express-cassandra [JM – ORM Model]
33. cassandra-driver -> for cassandra database connection driver.
34. amqplib -> for rabbitmq driver.

OTHERS MODULES:

35. system-sleep -> will make the system wait xxx milliseconds.
36. request -> to make http calls
37. http -> to make http calls
38. swagger-ui-restify -> documentation for your API hosted
39. cors
40. swagger-ui-express

If you want to grow exponentially then start documenting everything.

"Java is to JavaScript what Car is to Carpet."

— Chris Heilmann

List of all modules used by Telco Idam Project.