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Motivation: Node.js is a platform to build fast, scalable network applications. To reach this goal it runs in Chrome's JavaScript runtime Engine V8. Furthermore it uses an event driven and non-blockig IO model to ensure lightweight and efficiency. Many companies such as Uber, ebay and PayPal successfully integrated NodeJS in their development stack. To analyse the advantages of using NodeJS a project will be developed with it.

Availability: NodeJs is licensed under the MIT-licence which allows its use for commercial and non-commercial projects. It is under active development and open source. The files are available on Github.

2.1 Architecture in detail

2.2 Used technologies

3 SINGLE THREADED

3.1 Scalability

3.2 CPU intensive operations

4 IMPORT MODULES

4.1 Socket.IO

4.2 express.js

4.3 ?

5 MULTI-THREADING

5.1 Traditional Threaded Web Applications

5.2 NodeJS approach

6 DISCUSSION

6.1 Advantages of using NodeJS

6.2 Disadvantages of using NodeJS

6.3 Conclusion

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REFERENCES

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