

Presentation #3

NODE JS MODULES SYSTEM

Github Organization

CREATED BY

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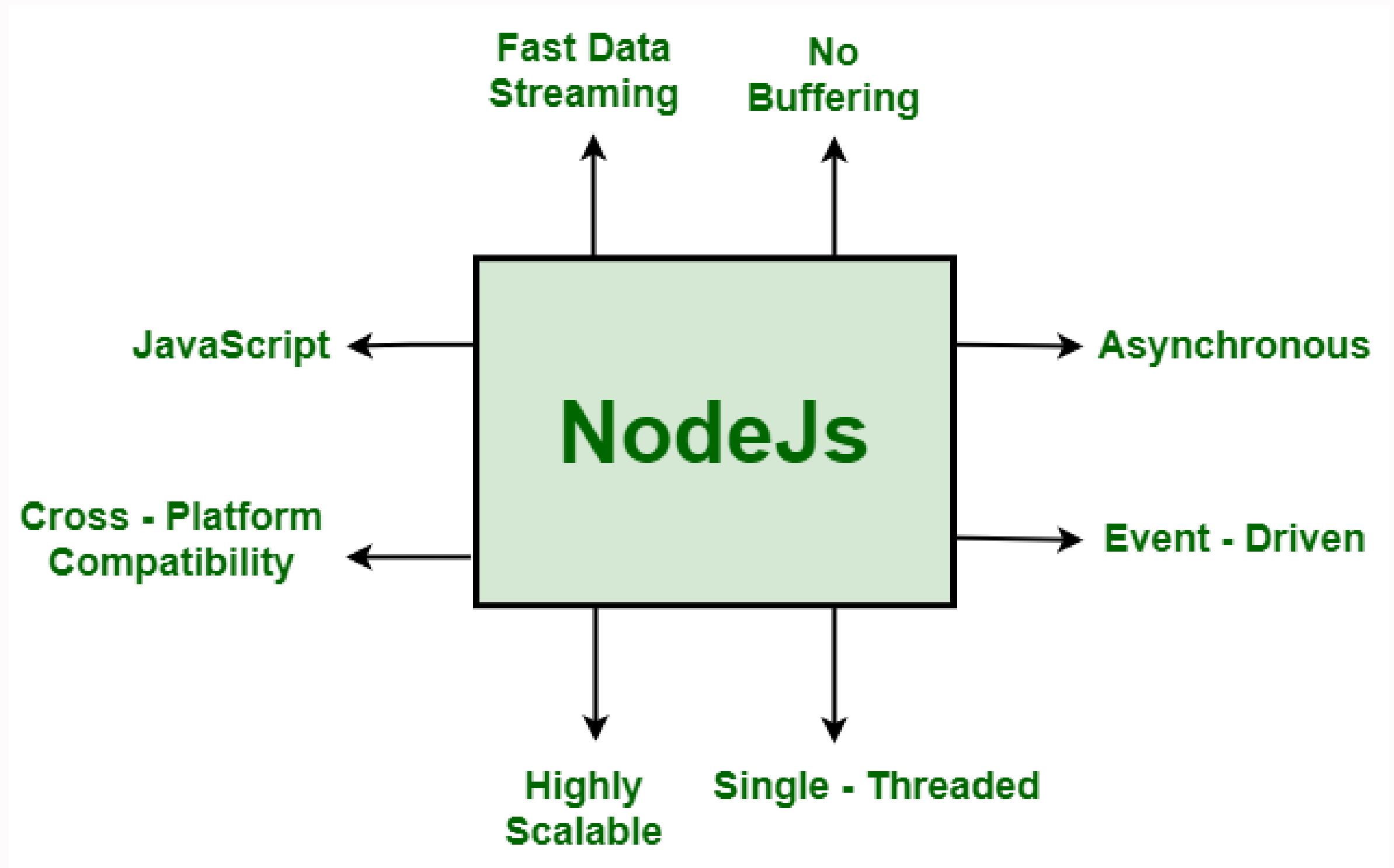
Agenda

- Introduction
 - Brief overview of Node.js and its importance in modern web development.
 - Overview of the agenda and learning outcomes.
- Understanding Modules in Node.js
 - Concept of modules in software development.
 - The significance of modules in Node.js.
- Core Modules in Node.js
 - Introduction to built-in modules.
 - Detailed exploration of core modules like http, fs, and path.
 - Practical examples of using each core module.
- Creating Custom Modules
 - The architecture of a Node.js custom module.
 - Best practices for modularizing code.
 - Step-by-step guide to creating and exporting custom modules.
- Using Custom Modules
 - How to import and use custom modules in a Node.js application.
 - Demonstration with a hands-on example.
- Advanced Module Concepts
 - Understanding module caching.
 - Managing module dependencies and conflicts.
 - Brief on ECMAScript modules (ES6) vs. CommonJS modules.
- Practical Workshop
 - Interactive session: participants create and use their own modules.
 - Mini-projects or exercises to apply learned concepts.
- Q&A Session
 - Open forum for questions, clarifications, and discussions.
- Conclusion
 - Recap of key takeaways.
 - Further resources for learning and exploration.
 - Closing remarks and end of the session.

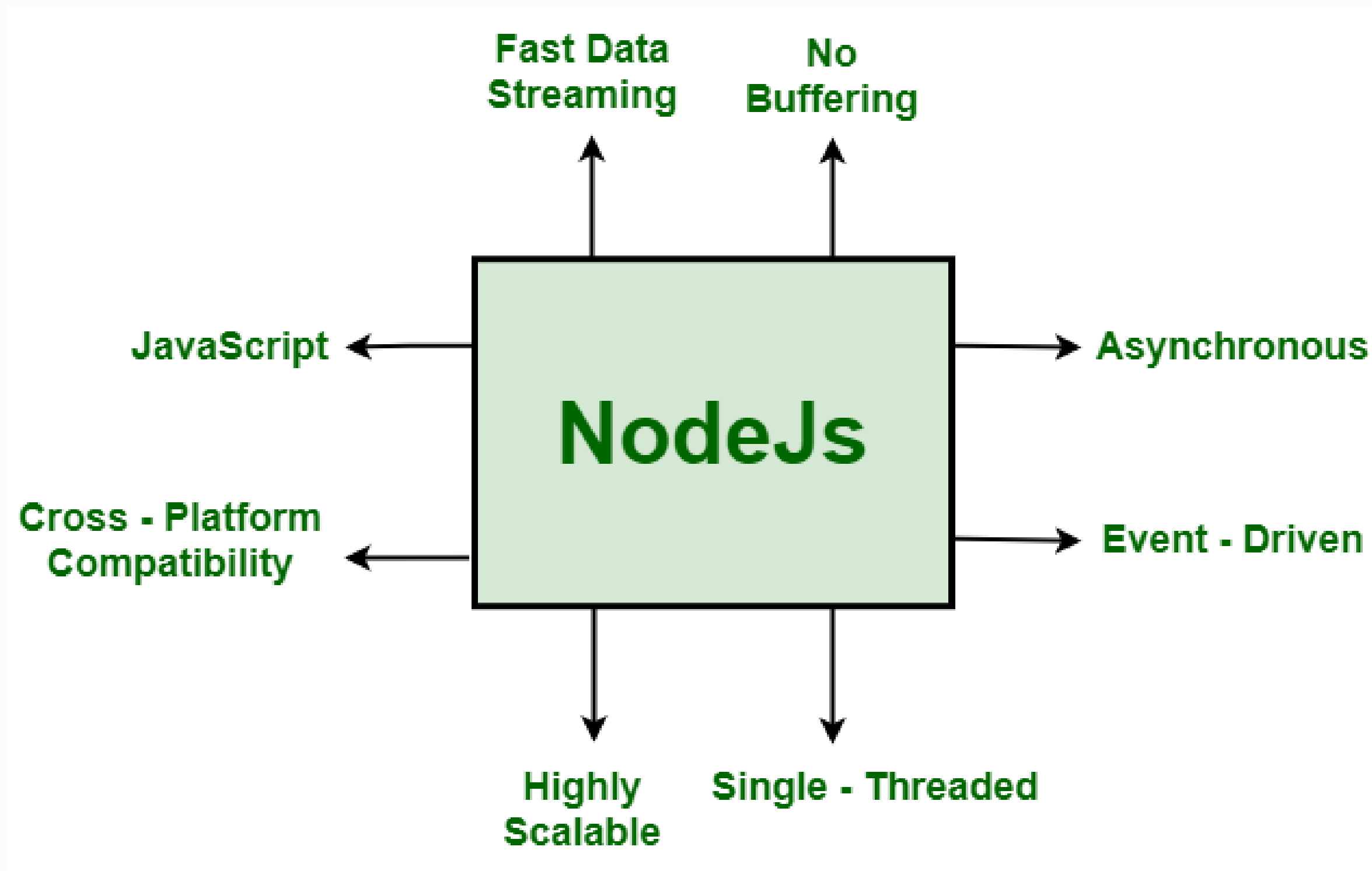


Understanding Modules in Node.js

- Concept of modules in software development.
- The significance of modules in Node.js.



Concept of Modules in Software Development



Practical Work