

Weekly summary of the week 13

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The MEAN stack is a JavaScript-based three-tier web development platform that comprises MongoDB, ExpressJS, Angular, and NodeJS. The stack provides a high-performance environment for web application development. It runs on a wide range of platforms, including Linux, Mac, and Windows.

One of the advantages of the MEAN stack is that it can be containerized with Docker to scale efficiently. Containerizing the MEAN stack allows for scalability by dividing the application into small, independent, and self-sufficient components that can be scaled up or down according to demand.

To containerize a MEAN stack application, a Dockerfile needs to be created for the Angular frontend and Node.js backend, and they can be attached using Docker-compose to a specified network, such as `events_net`. The Docker build process uses Docker images, which store the changes made to the application.

The Docker Dashboard provides a user-friendly interface to view Docker containers and information about them. The Dashboard enables developers to monitor the status of the containers, and troubleshoot any issues that arise.

Overall, MEAN stack applications offer developers an efficient, easy-to-use web development platform which can be containerized to support scalability using Docker.