Instructor Notes:

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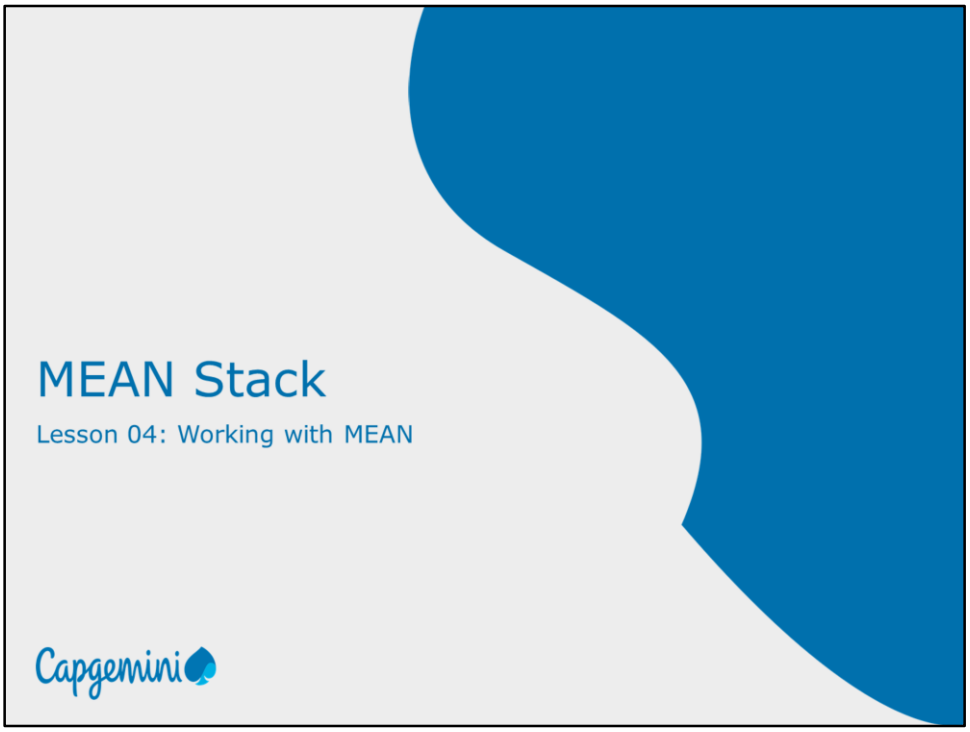

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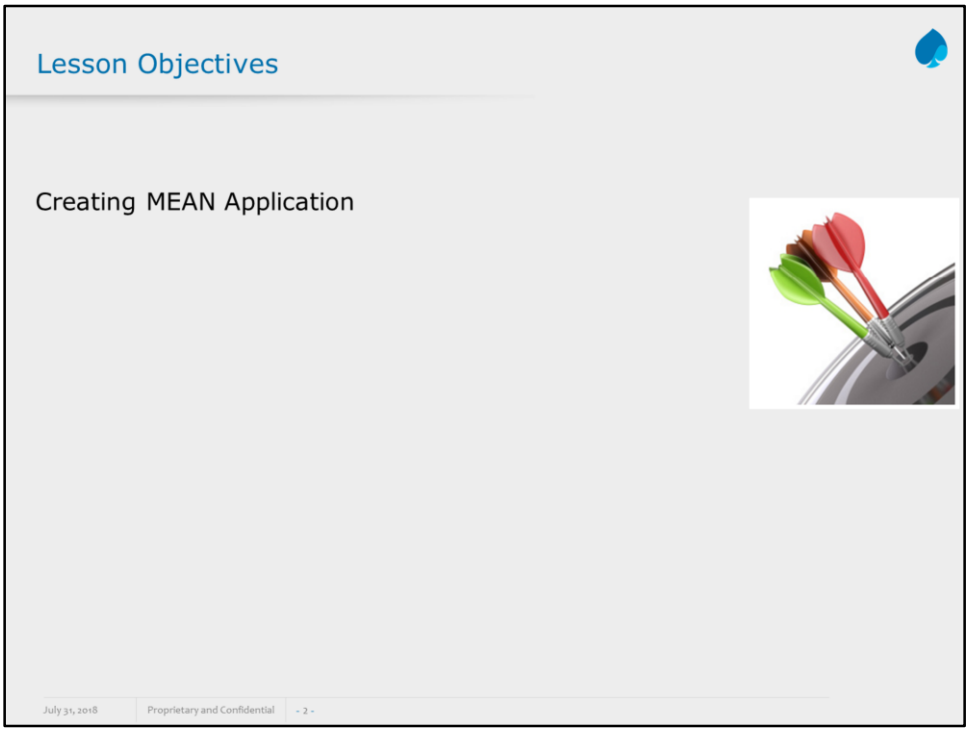

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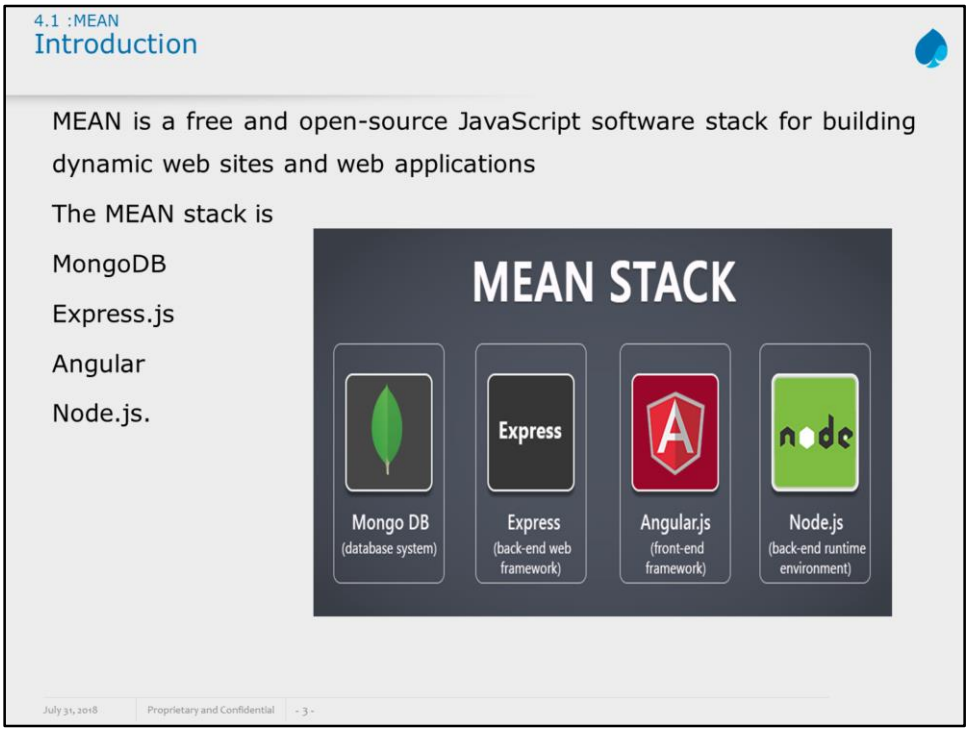

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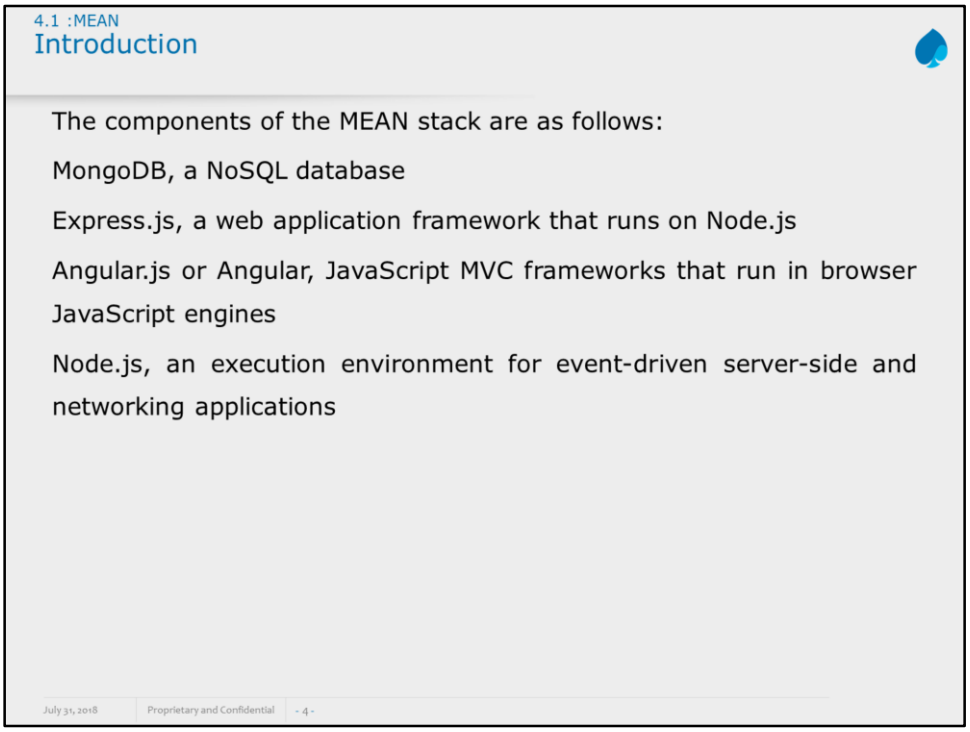

Node.js is a server side JavaScript execution environment. It's a platform built on Google Chrome's V8 JavaScript runtime. It helps in building highly scalable and concurrent applications rapidly.
Express is lightweight framework used to build web applications in Node. It provides a number of robust features for building single and multi page web application. Express is inspired by the popular Ruby framework, Sinatra.
MongoDB is a schemaless NoSQL database system. MongoDB saves data in binary JSON format which makes it easier to pass data between client and server.
AngularJS is a JavaScript framework developed by Google. It provides some awesome features like the two-way data binding. It's a complete solution for rapid and awesome front end development.

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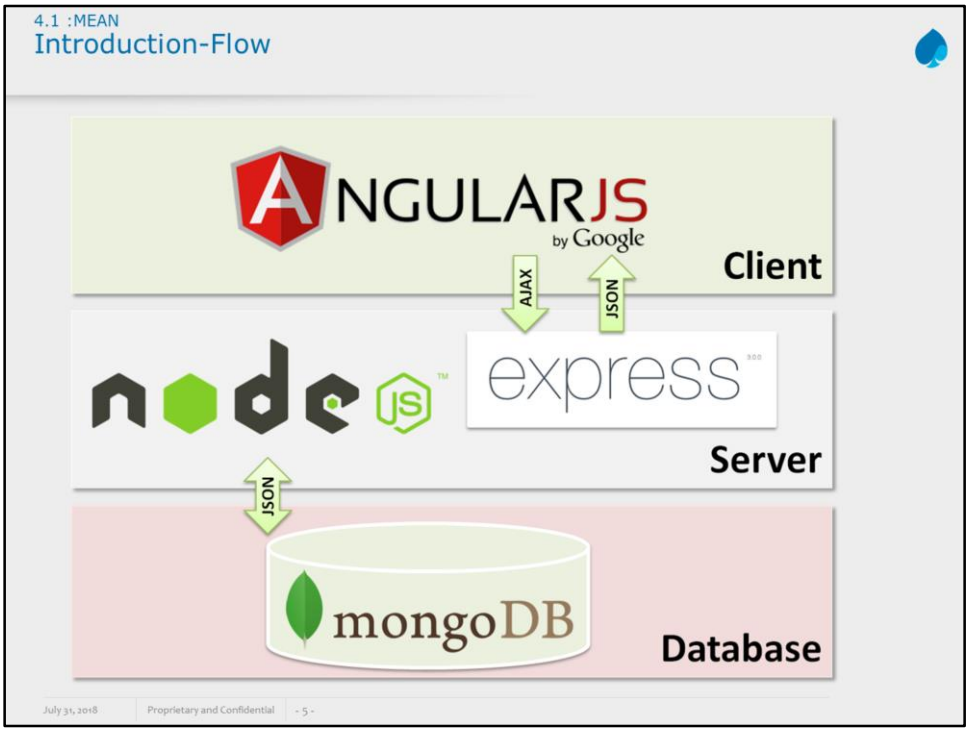

MongoDB is built for the cloud

If your Web app plans include making good on the pennies-per-CPU promise of the cloud, the MEAN stack offers a compelling database layer in MongoDB. This modern database comes equipped with automatic sharding and full cluster support, right out of the box. Plug in MongoDB and it spreads across your cluster of servers to offer failover support and automatic replication. Given the ease with which apps can be developed, tested, and hosted in the cloud, there's little reason not to consider MongoDB for your next project.

Node.js simplifies the server layer

Navigating the various layers of the LAMP stack can be a difficult dance of many hats, one that has you shuffling through various config files with differing syntax. MEAN simplifies this through use of Node.js.

Want to change how your app routes requests? Sprinkle in some JavaScript and let Node.js do the rest. Want to change the logic used to answer queries? Use JavaScript there as well. If you want to rewrite URLs or construct an odd mapping, it's also in JavaScript. The MEAN stack's reliance on Node.js put this kind of pipework all in one place, all in one language, all in one pile of logic. You don't need to reread the man pages for PHP, Apache, and whatever else you add to the stack. While the LAMP generation has different config files for everything, Node.js avoids that issue altogether. Having everything in one layer means less confusion and less chance of strange bugs created by weird interactions between multiple layers.

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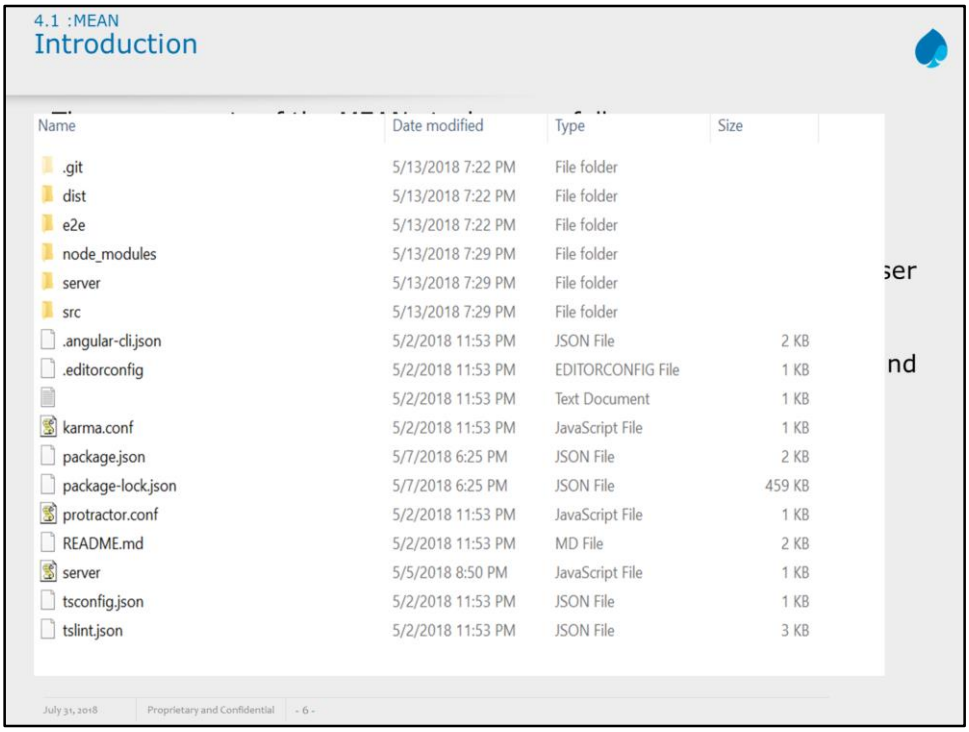

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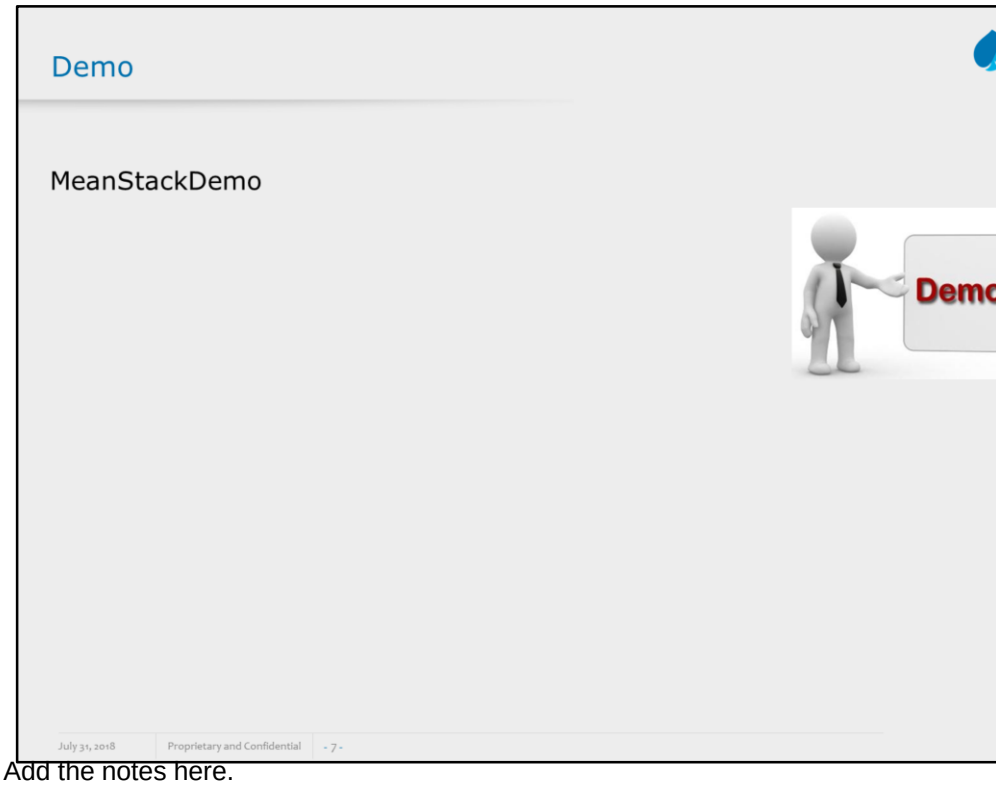

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