



CODEtalk:

LAMP vs. MEAN

January 16, 2015

Let's make some introductions!



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Tom Wilson

Credentials:

President and Chief Technologist

Passionate about software development

Main Areas of Focus:

- Agile Software Development
- eXtreme Programming
- Clean Code
- SOLID Principles
- Many more!



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Shawn Foster

Credentials:

LAMP Developer

Coding for over 15 years

Diverse background in education and technology

Web Development Instructor-
CODEcamp



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Ronak Raithatha

Credentials:

LAMP Developer

Passionate about teaching and learning

CODEcamp Instructor - Intro to Object Oriented Programming



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And your moderator...

Chad Cravens

- Founder of Open Source Systems
- Accomplished software engineer, specializing in cyber security and quality software development processes
- Jack of all trades and master of many...



What are we talking about?

Let's start with the basics...what is a stack?

Language

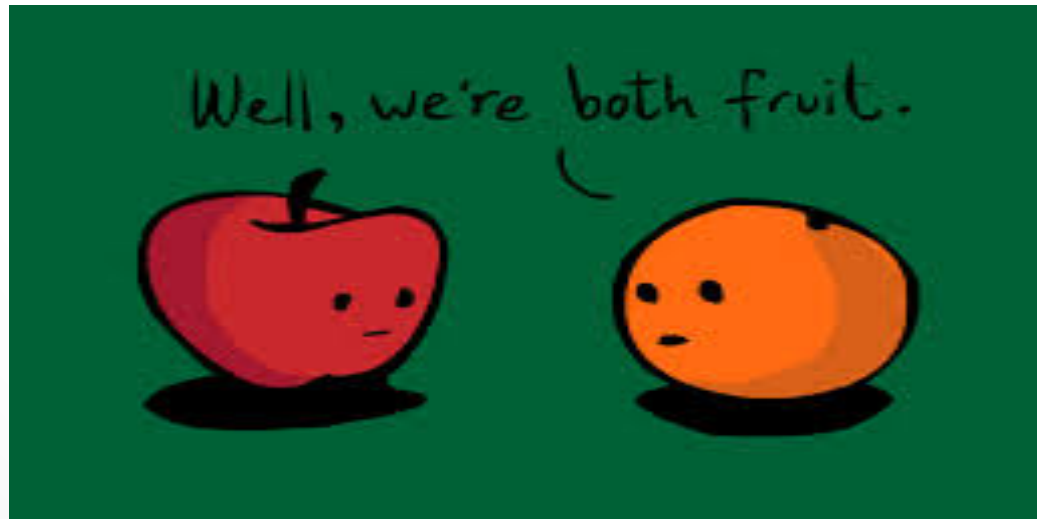
Database

Webserver

Operating System

Today's Discussion:

LAMP vs. MEAN



LAMP vs. MEAN

Operating System



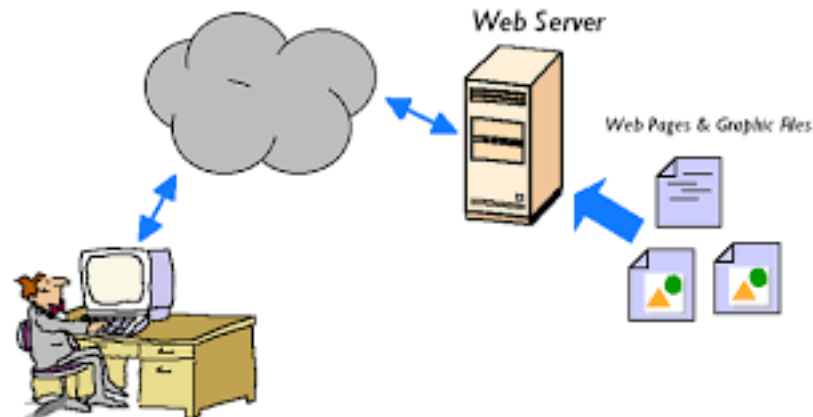
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LAMP vs. MEAN

Webserver

Apache vs. node.js



LAMP vs. MEAN

Database



LAMP vs. MEAN

Database

Flexible data model with MongoDB
vs.
Atomic transactions in MySQL (ACID Compliance)

LAMP vs. MEAN

Database

SQL

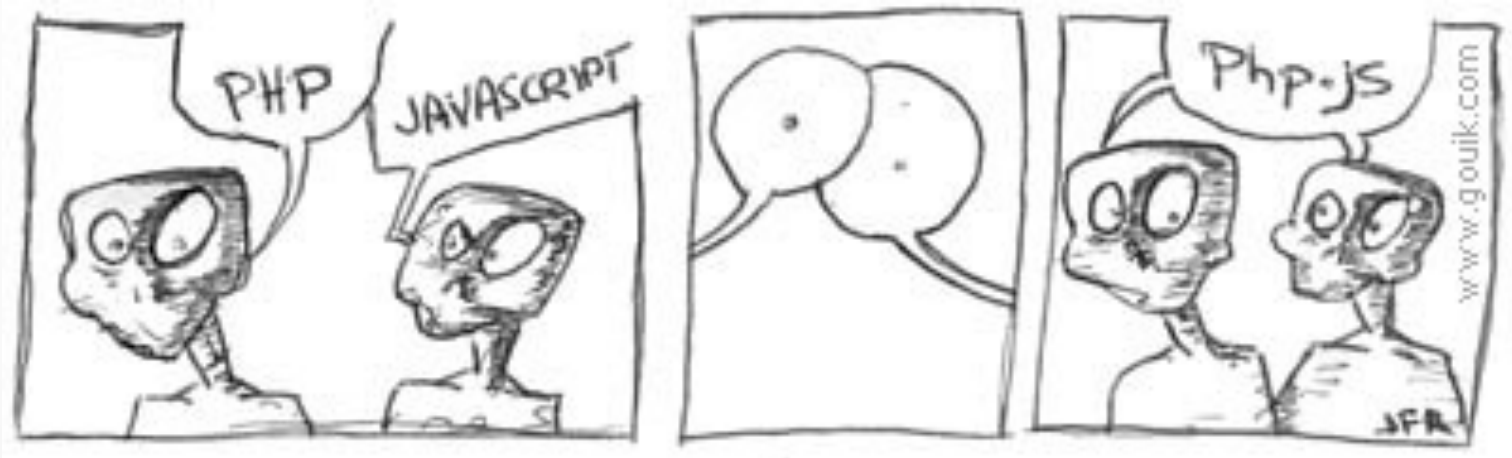
vs.

**API based database
(CAP Theorem)**

LAMP vs. MEAN

Language

PHP vs. JavaScript



LAMP vs. MEAN

Language

Frameworks

Express for node.js

vs.

Cake/Zend/Symfony for PHP

More Key Differences

LAMP

- *Old as time...*



- *Even the worst hosting services generally support it*

More Key Differences

MEAN

- *Same language on client/server*



Other talking points

- *Non-blocking*
- *Threaded nature of Apache vs. event driven nature of node.js*

Helpful Links for MEAN Stack

- <https://hackhands.com/how-to-get-started-on-the-mean-stack/>
- <http://meanjs.org/>
- <http://mean.io/#!>

Questions from the Audience