



ASP.NET CORE



ASP.NET CORE & Angular



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Agenda



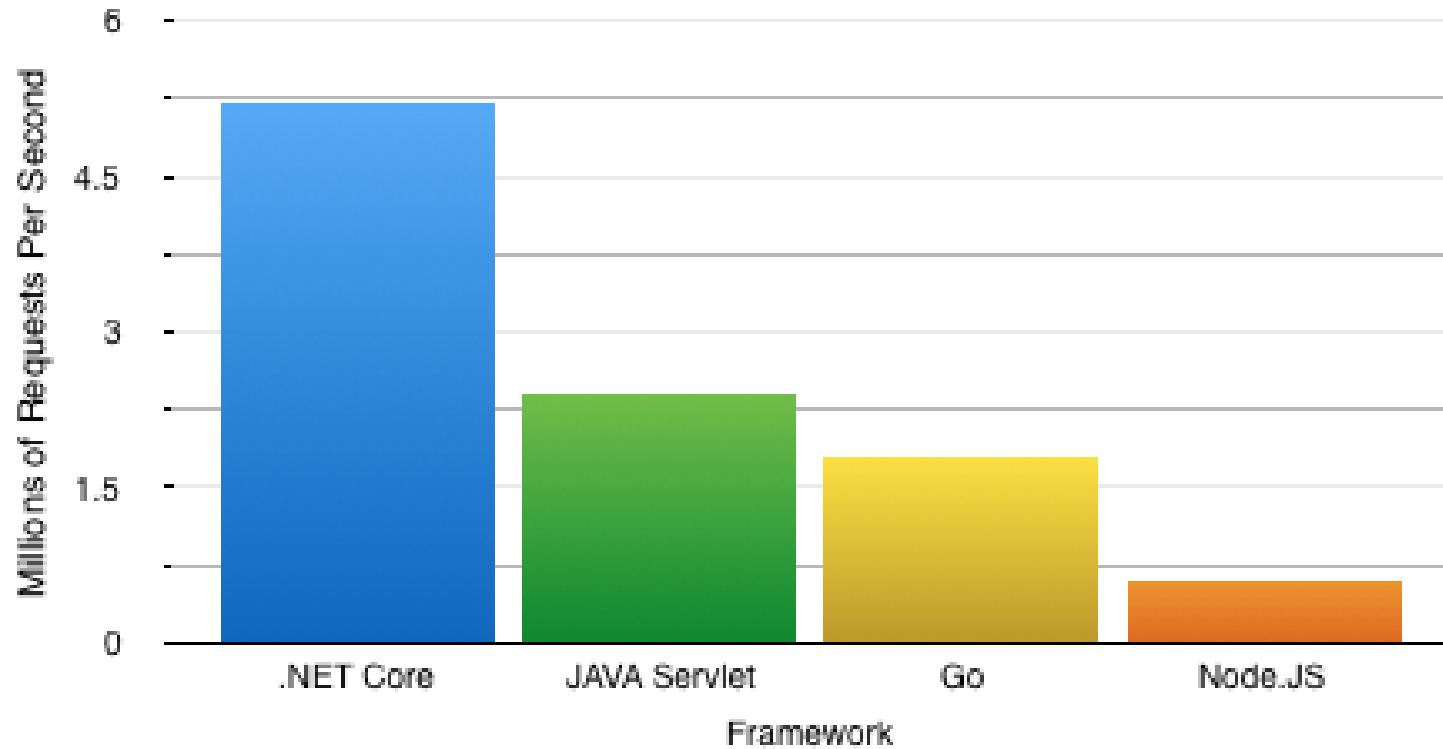
- 1h30 - ASP.NET Core
- 1h30 - Angular
- 0h30 - Docker

Introdução

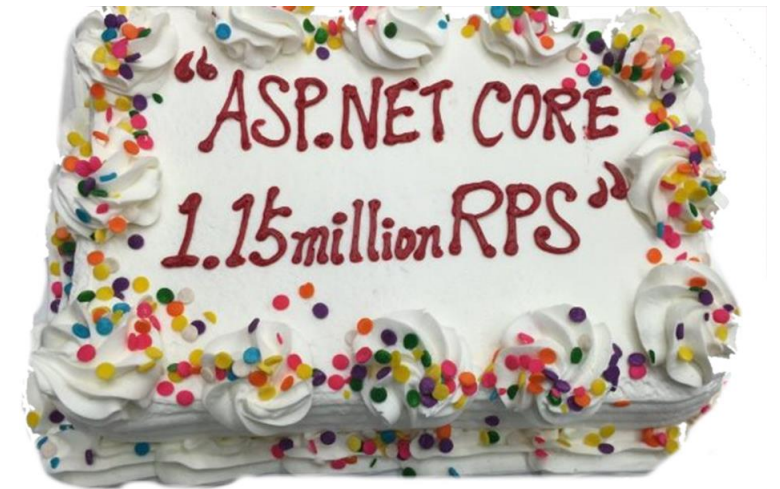


- ASP.NET Core um novo ASP.NET

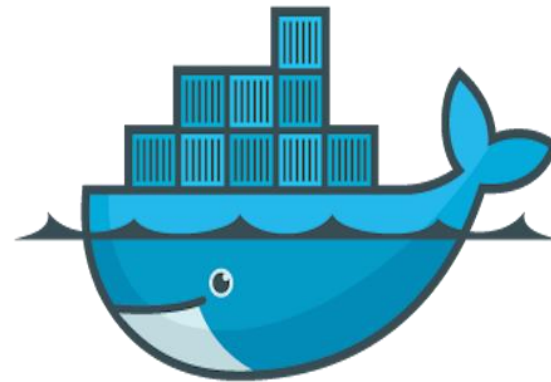
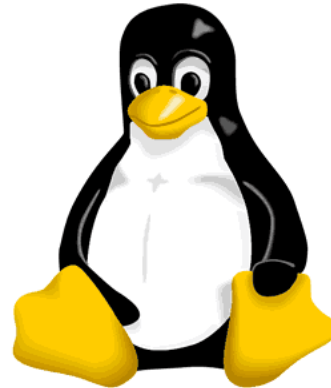
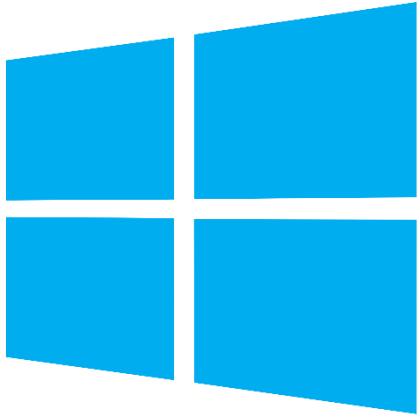
Performance



<https://github.com/aspnet/benchmarks>



Multiplataforma



docker



.NET 2015

.NET Framework 4.6



ASP.NET Core
ASP.NET 4.6
WPF
Windows Forms

.NET Core 5



ASP.NET Core
.NET Native (for Windows 10)
Windows desktop
Windows mobile devices
Windows embedded devices



ASP.NET Core for Mac & Linux

Common



Runtime

Next gen JIT ("RyuJIT")
SIMD (Data Parallelization)



Compilers

.NET Compiler Platform ("Roslyn")
Languages innovation



NuGet packages

.NET Core 5 Libraries
.NET Framework 4.6 Libraries

DEMO



Criando uma aplicação REST com WebAPI

Angular



Um framework para desenvolvimento client-side usando HTML, CSS e JavaScript.

Por que Angular?



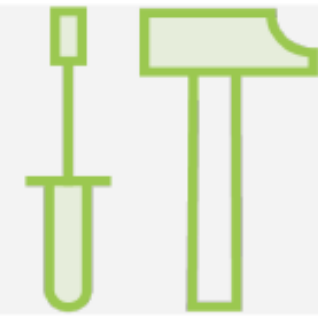
Rápido



Moderno

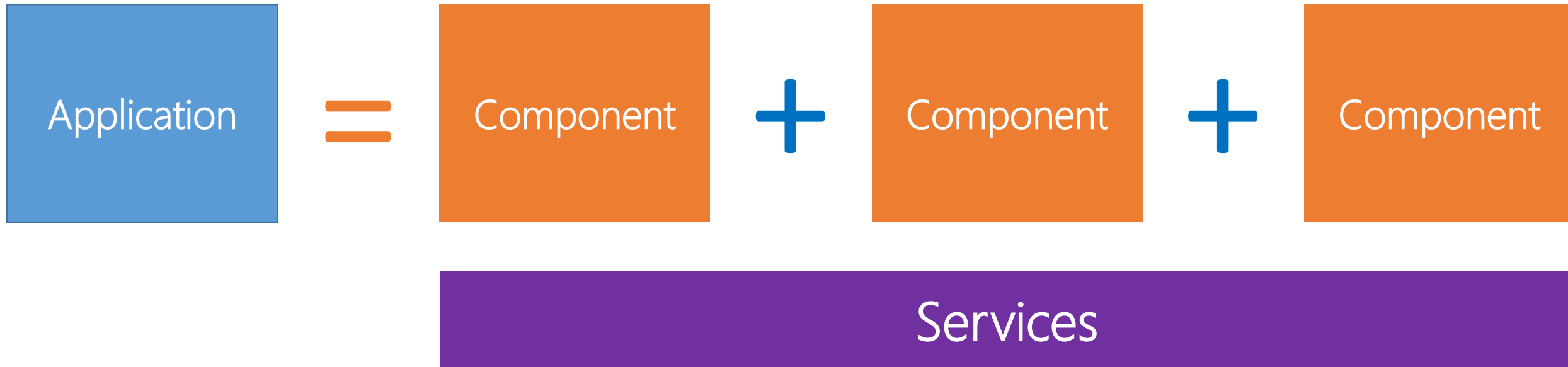


Simplificado

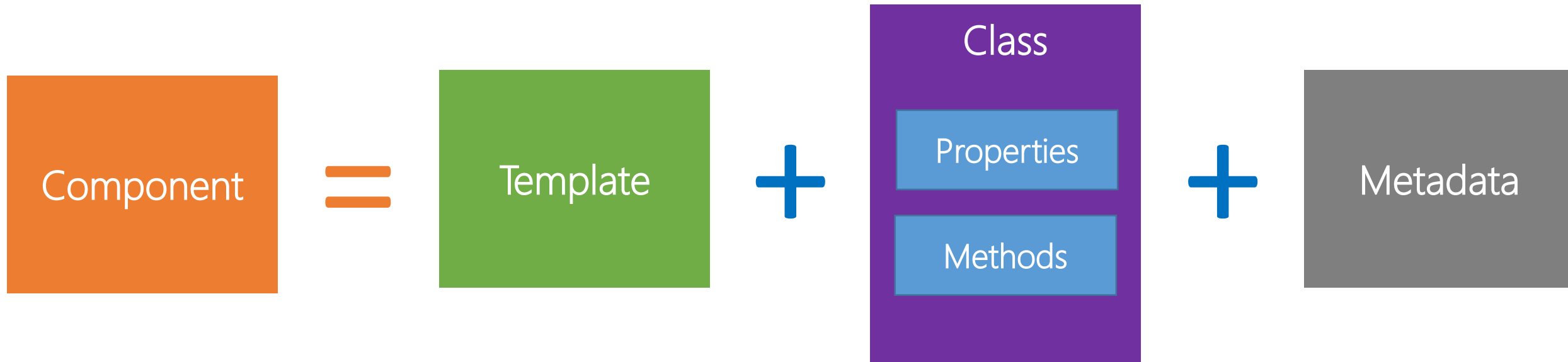


Produtivo

Anatomia de uma App Angular



Angular é baseado em Components



TypeScript

TypeScript

- Desenvolvido pela Microsoft
- Criada pelo pai do C# e .NET
- Open Source
- SuperSet de JavaScript
- Fortemente Tipado
- Baseado em OOP
- Transpila para JavaScript

Setup do Ambiente



Requisitos:

- NodeJS (última versão)
- NPM
- Angular CLI

```
npm install -g npm@latest  
npm install -g @angular/cli
```

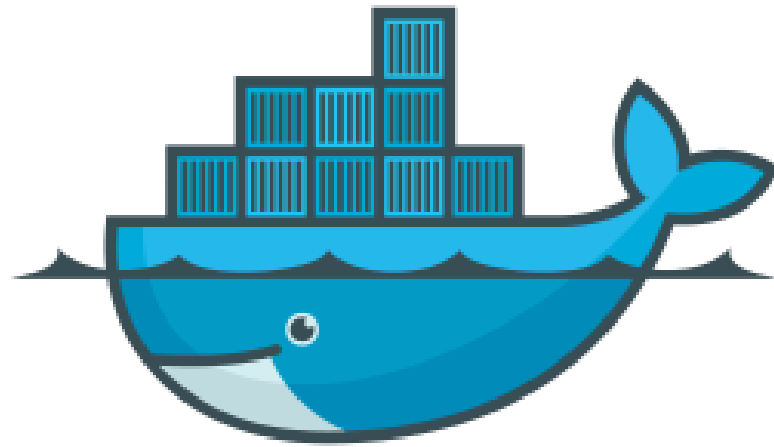
DEMO



Criando uma nova aplicação Angular.

CLI > `ng new client -sg --minimal`

Um novo mundo repleto
de possibilidades

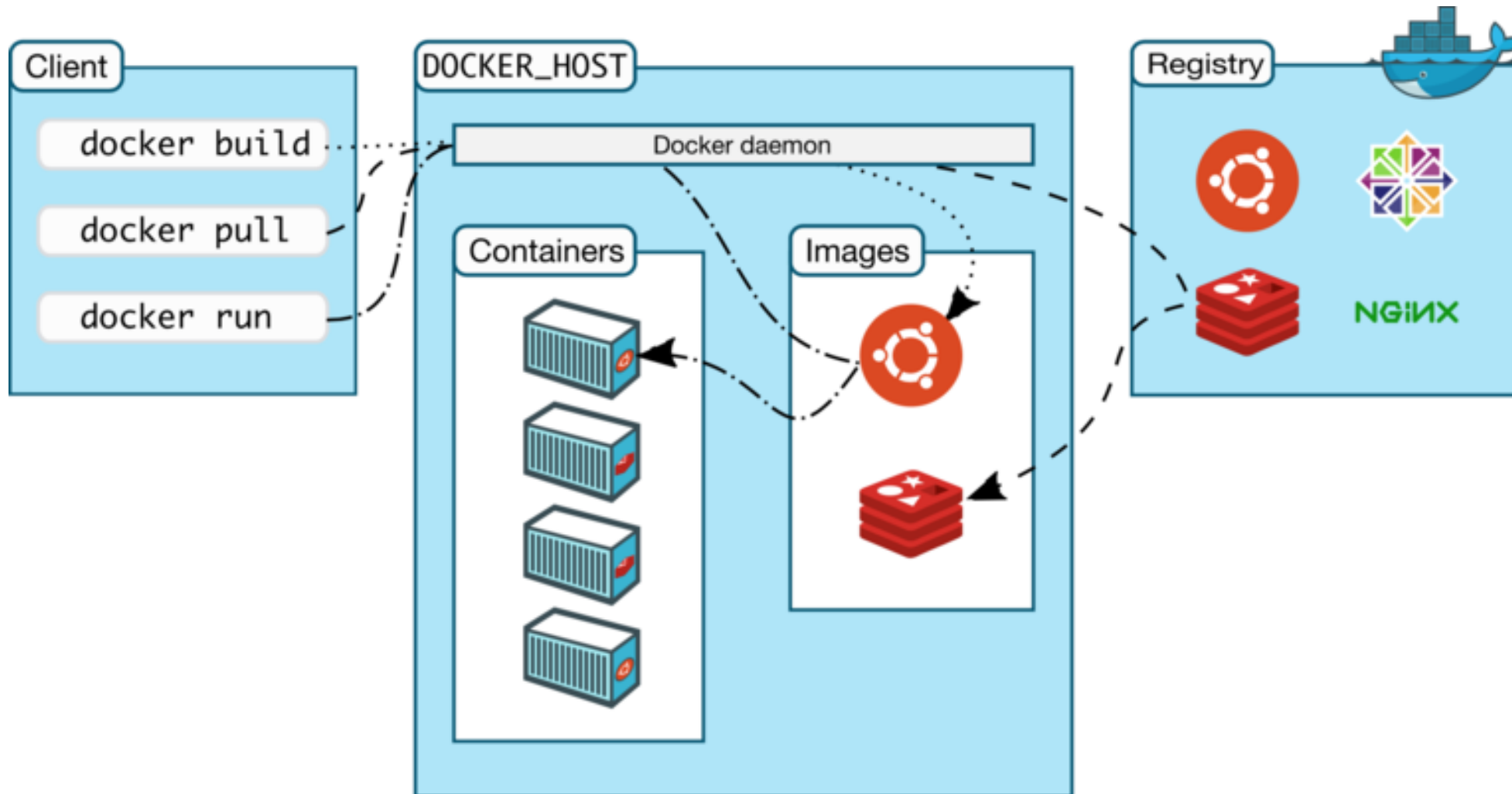


docker

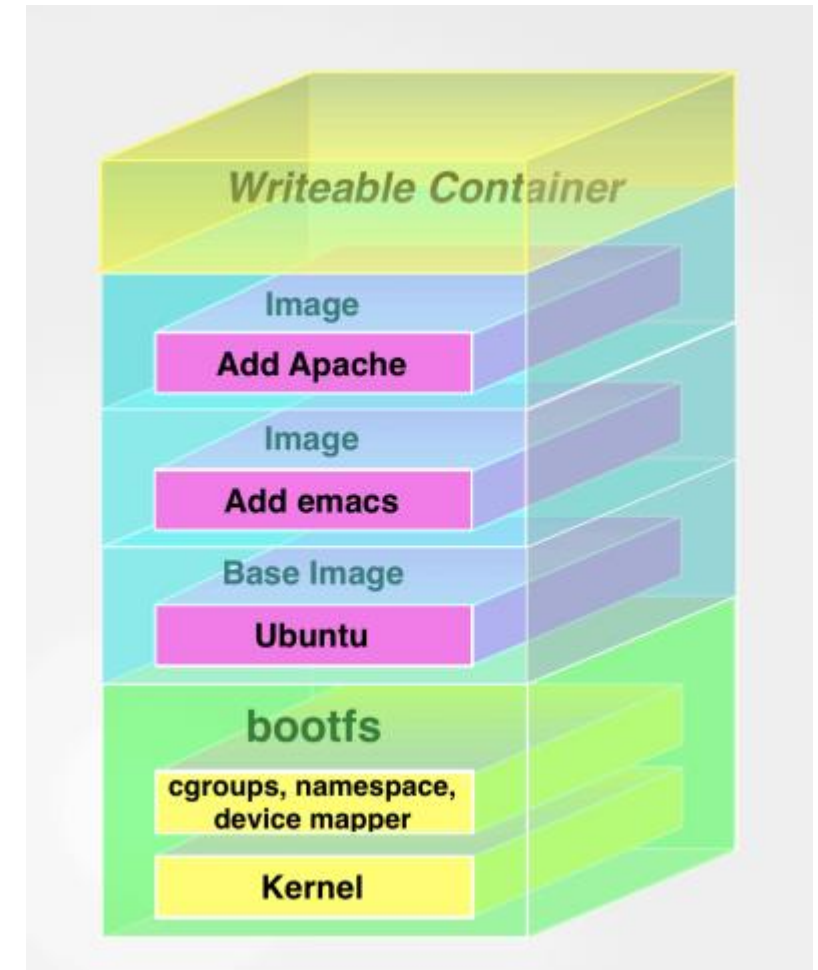
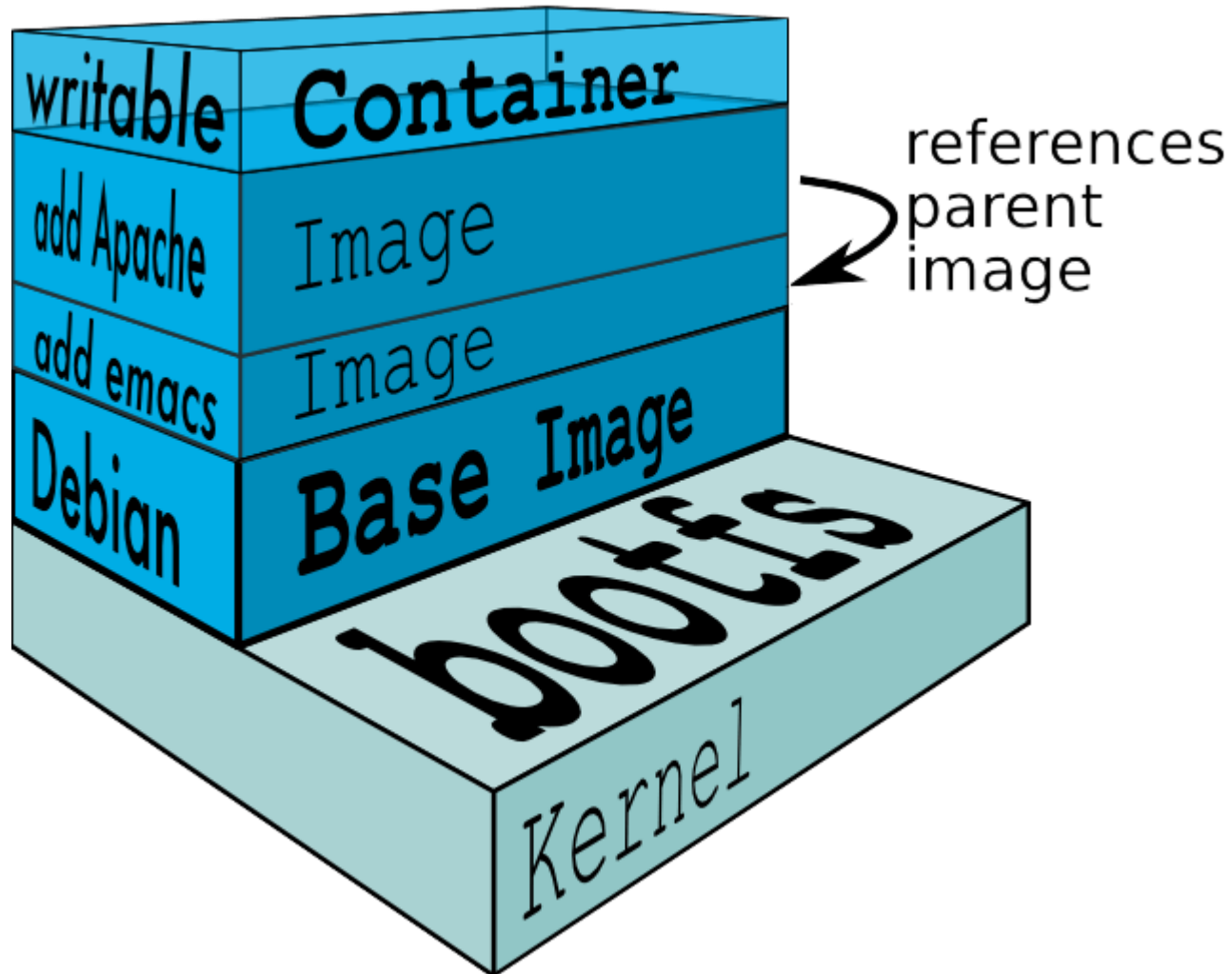
O que é Docker?

- ✓ Docker é uma plataforma de containers de software. É uma solução inovadora que elimina o grande problema do “na minha máquina funciona”.
- ✓ Docker elimina a necessidade de criação de ambientes de desenvolvimento e testes.
- ✓ Docker é uma ótima alternativa ao uso de Virtual Machines, pois é muito mais leve, rápido, prático e simples!

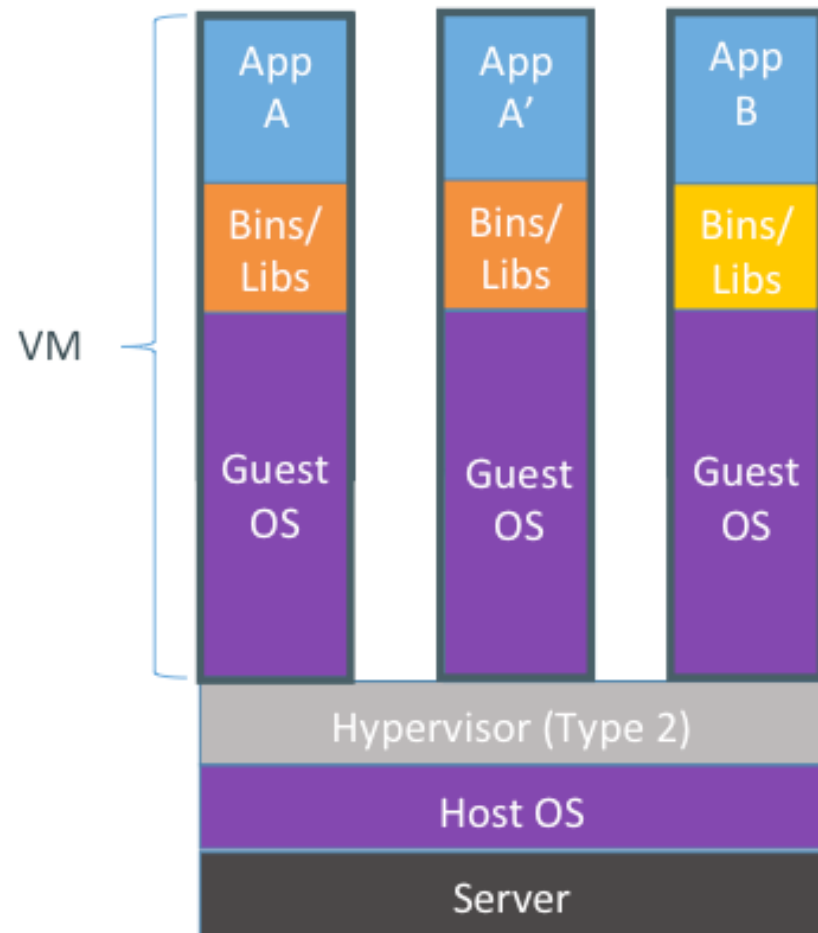
O básico sobre Docker



O básico sobre Docker - Imagens

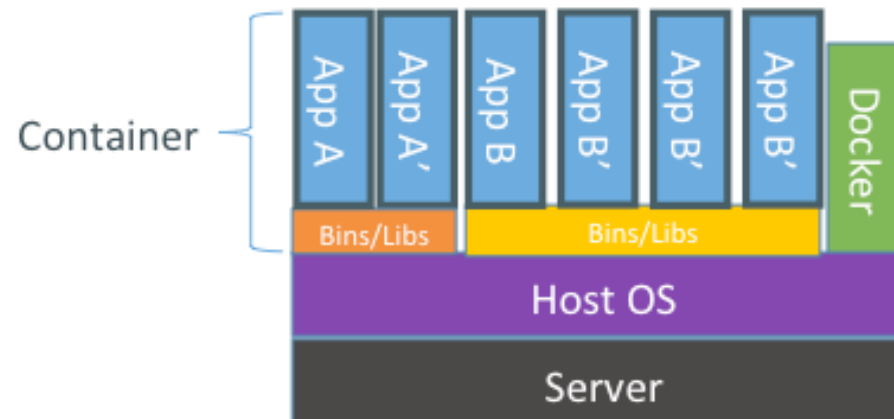


O básico sobre Docker - Containers



Containers are isolated,
but share OS and, where
appropriate, bins/libraries

...result is significantly faster deployment,
much less overhead, easier migration,
faster restart



DEMO



Containerizando nossa Aplicação

*Thank
you.*

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<http://desenvolvedor.io>