



Lisbon School
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Universidade de Lisboa



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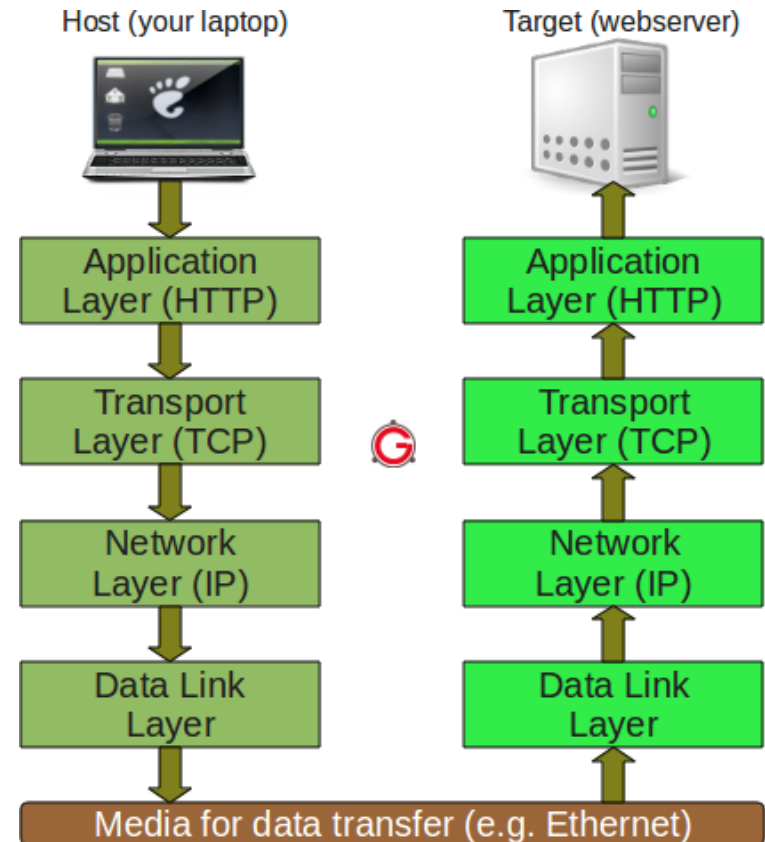
INTERNET & WEB

Índice

- Key Networking Concepts
- Protocols, DHCP, IP, DNS, HTTP
- Web Server/DB Server
- Web browser
- Web Technologies
- XAMP, MEAN Sack, .NET, Java Web Application
- Python Web Frameworks

Protocolos

- Protocols:
 - HTTP (hipertext Transfer Protocol)
 - TCP (Transmission Control Protocol)
 - IP (Internet Protocol)
 - Ethernet



DHCP

- DHCP server (Dynamic Host Configuration Protocol)
 - the purpose of IP assignment



DHCP

- Commands to check the IP of our computer

- No DOS/Windows:

`ipconfig`

- No Linux/Mac:

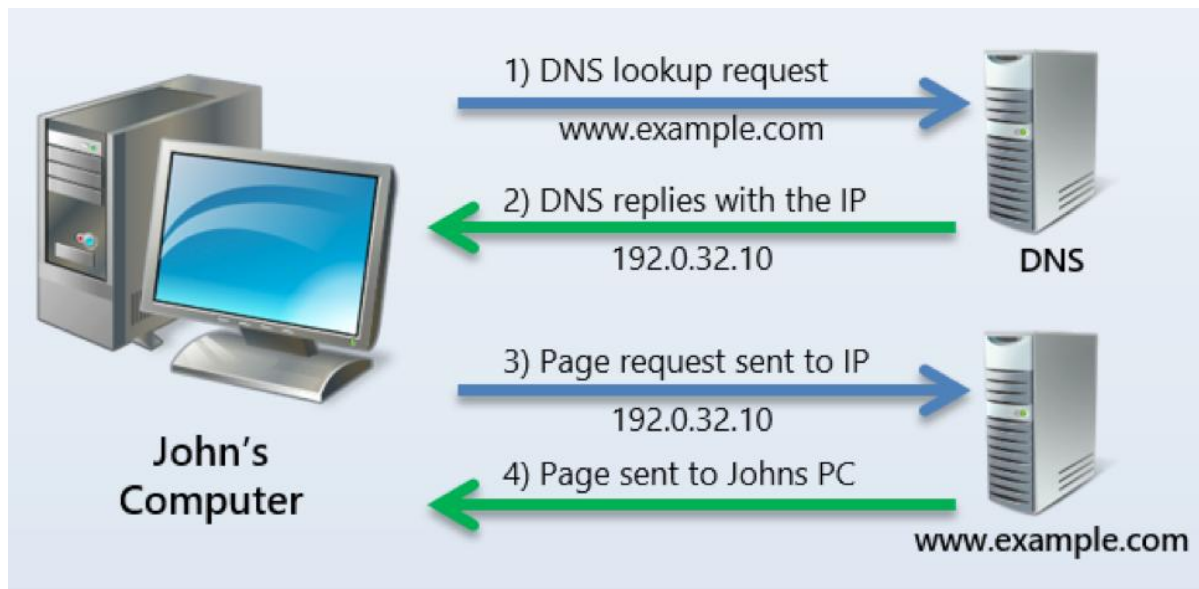
`ifconfig`

IP

- Computers have IP
- Private IP
- Public IP
- Servers also have IP Exemplo:
<http://193.136.144.100/>

DNS

- DNS (Domain Name System)

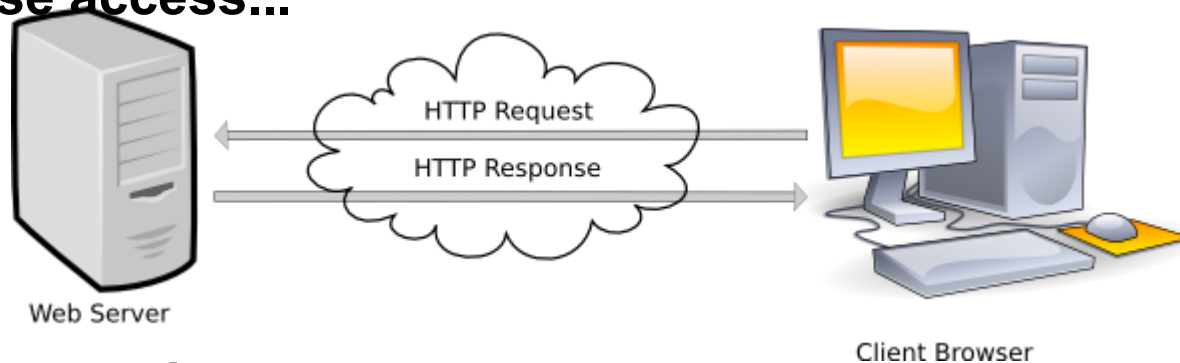


HTTP

2 – Request received

- program execution, database access...

1 – HTTP request (typing URL in the address bar)

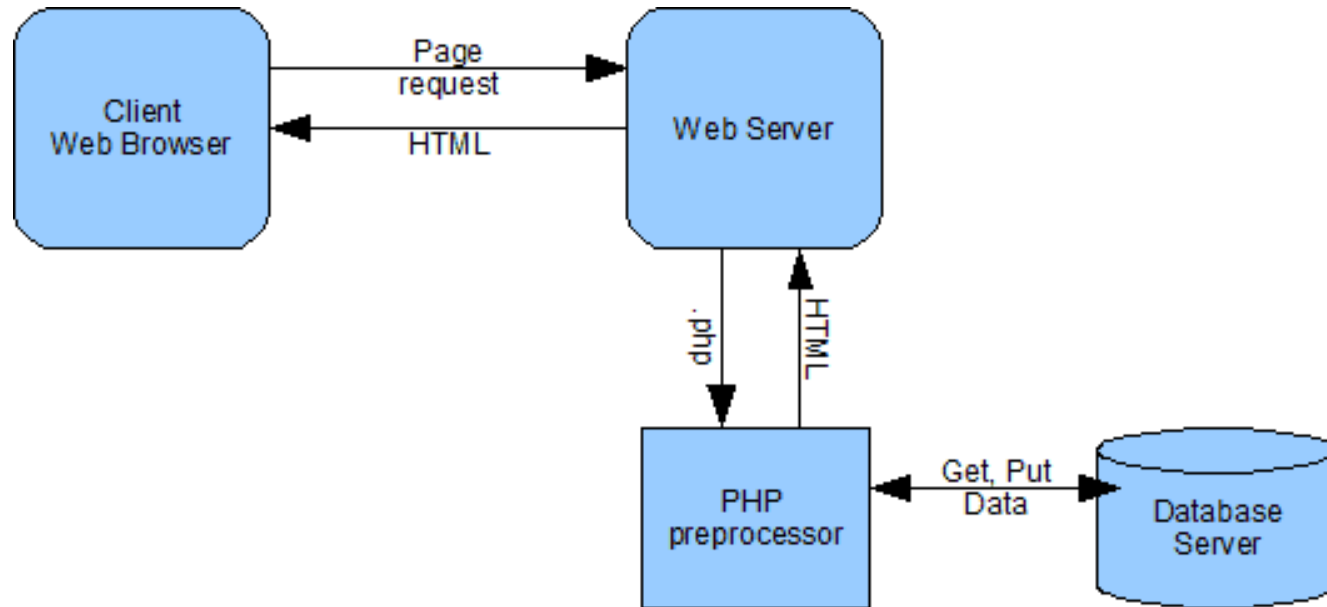


3- Response to the request

4 – Received response (text files, images, etc.)

5 – Code Interpretation

Wed Server/DB Server



Browser

- Make HTTP request
- Interpret answers (HTML, CSS, Javascript)
- Render and Show on the screen
- It also has development tools

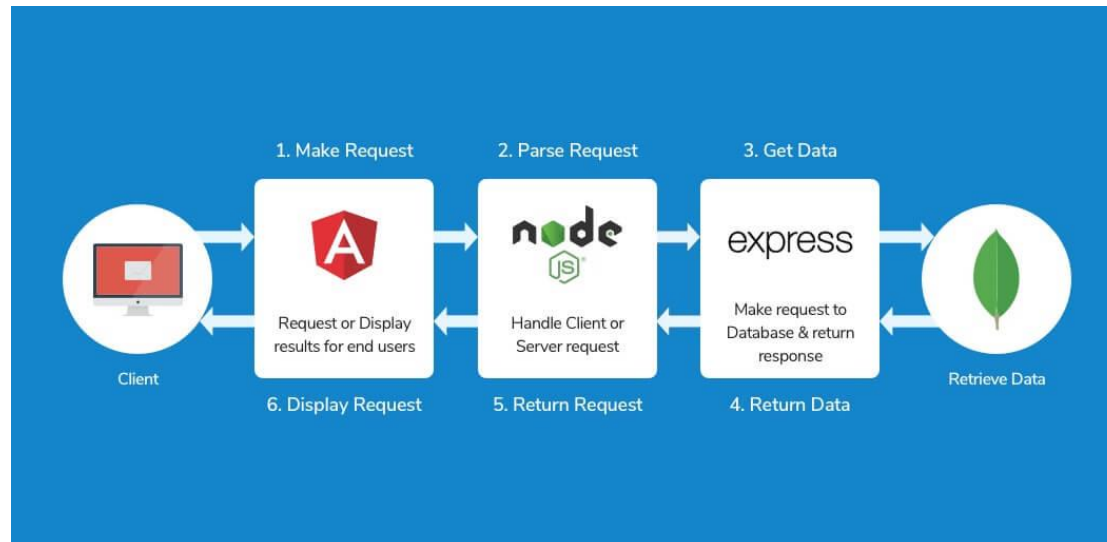
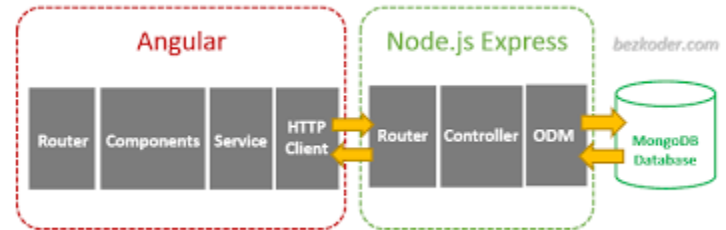
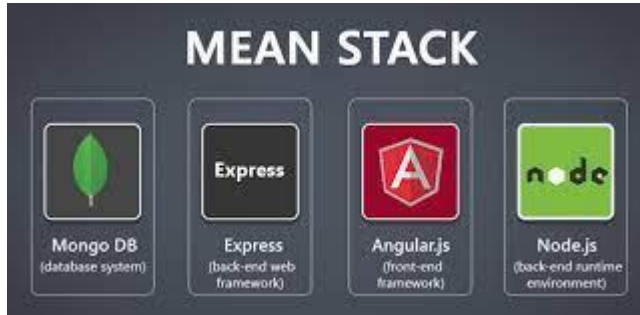


XAMPP

- XAMPP
- X
- Apache
- MariaDB (ou MySQL)
- PHP
- Perl



Mean Stack



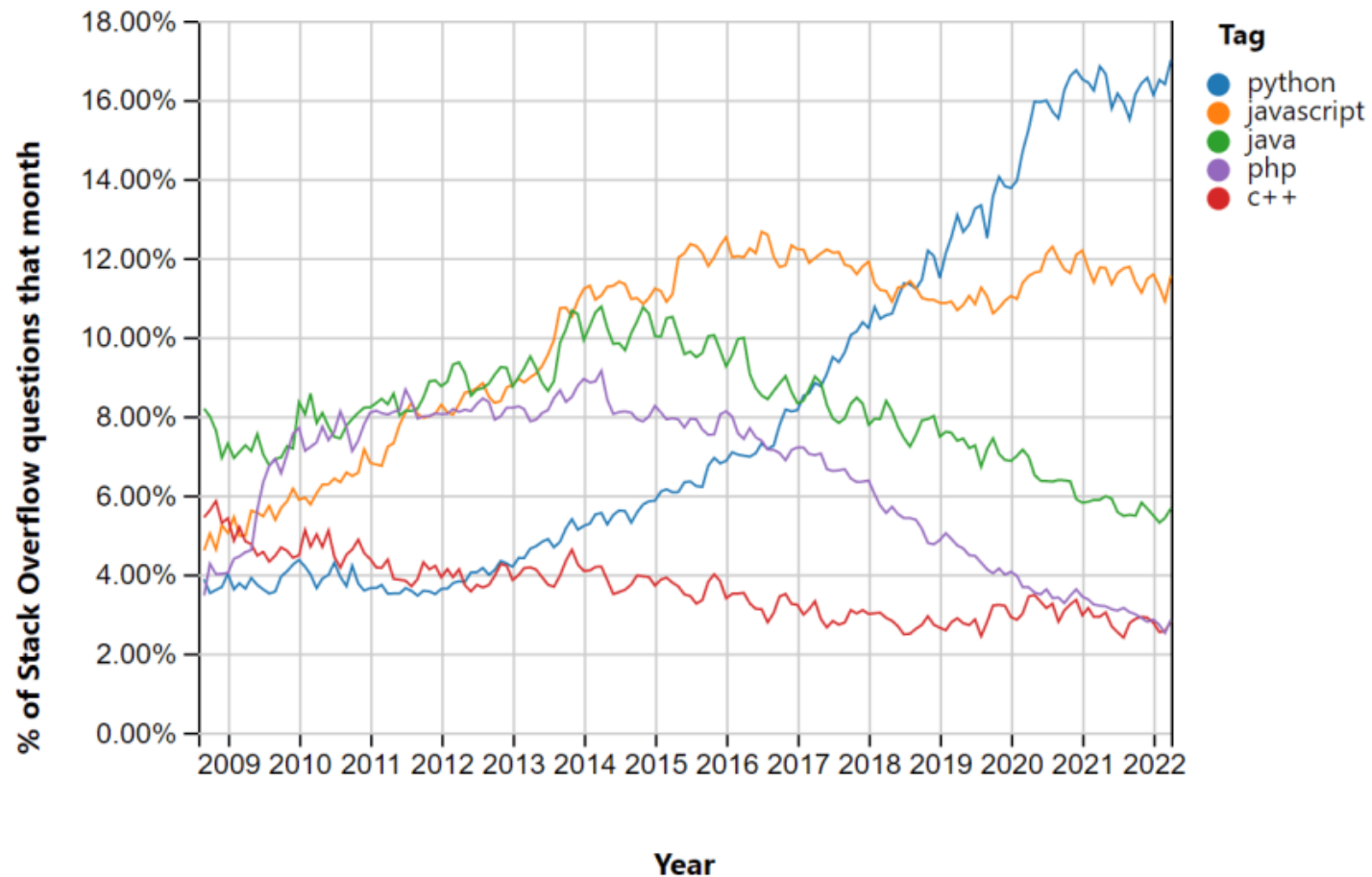
.NET



Java Web Application



Importância Crescente do Python



Python Web Frameworks

django



Bottle

Python Web Frameworks

WEB2PY



SANIC
FRAMEWORK



Python Web Frameworks

	django	 Flask
Admin Panel		
Web Framework		
Database		
Performance		
Security		
Flexibility		
Usage & Community		
Template Engine		
Reusable Components		