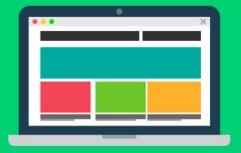
# Backend Development

Hamidreza Hosseinkhani - 2020



**FRONTEND** 

**CLIENT-SIDE DEVELOPMENT** 



**BACKEND** 

**SERVER-SIDE DEVELOPMENT** 

#### Which stack?!













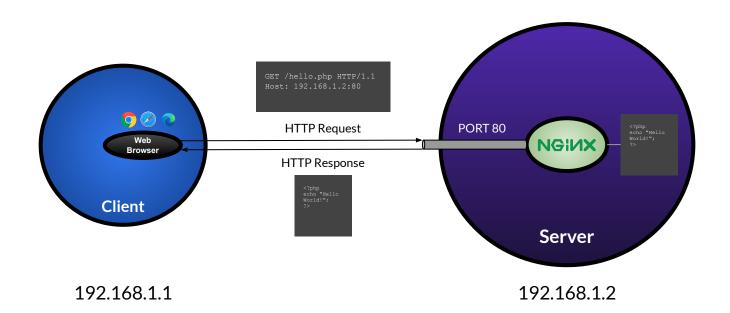


- PHP: Lumen, Laravel, ...
- Node.js (JavaScript): Express, ...
- Python: Flask, Django, ...
- Go
- Java: Spring Boot
- Kotlin: Ktor
- **C#**: ASP.NET Core
- ...

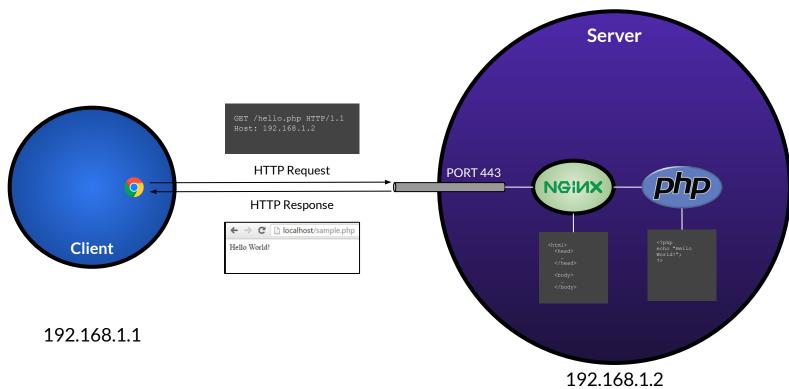


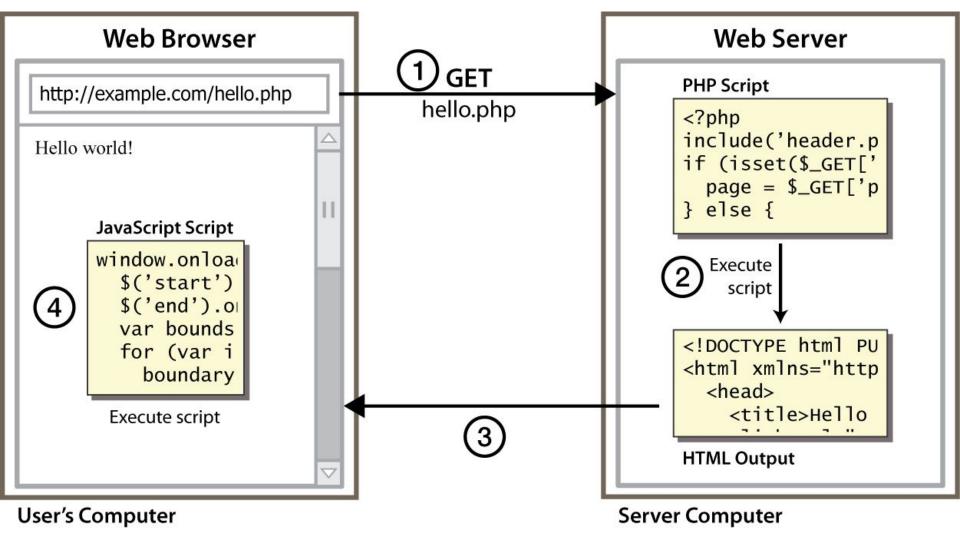
## Let's see some PHP syntax!

### Serve a php script as a regular file

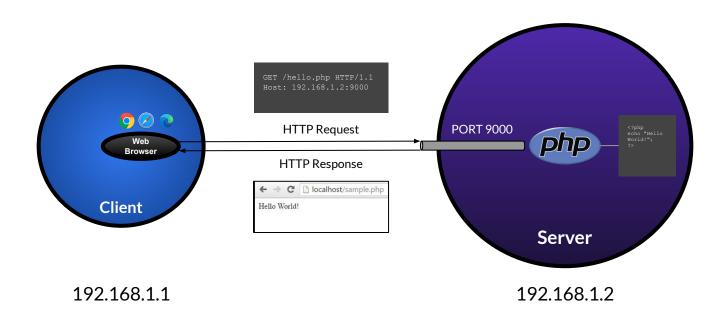


#### Web service architecture





### Process a php file and get the result



## **HTTP Requests**

- GET
- POST
- PUT
- DELETE
- ...

GET /news.php?id=1234 HTTP/1.1 Host: my-news-site.com

POST /news.php HTTP/1.1
Host: my-news-site.com
Content-Type: application/x-www-form-urlencoded
Content-Length: 27
title=TITLE OF NEWS&content=CONTENT OF NEWS

PUT /news.php HTTP/1.1 Host: my-news-site.com Content-type: text/html Content-length: 16

\*\*NEW NEWS FILE\*\*

DELETE /news.php?id=1234 HTTP/1.1 Host: my-news-site.com

## HTML Forms

\* Required Shipping Address \*Name: \*Address: Address: \*City: \*State: \*Zip: <form action="formprocessor.html" method="get"> \* Required <div class="fieldSet"> <fieldset> <legend>Shipping Address</legend> <label class="field" for="Name"><span>\*</span>Name:</label><input type="text" name="Name" class="textbox-300" /> <label class="field" for="Address"><span>\*</span>Address:</label><input type="text" name="Address" class="textbox-300" /> <label class="field" for="Address2">Address:</label><input type="text" name="Address2" class="textbox-300" /> <label class="field" for="City"><span>\*</span>City:</label><input type="text" name="City" class="textbox-300" /> <label class="field" for="State"><span>\*</span>\*tate:</label><input type="text" name="State" class="textbox-300" /> <label class="field" for="Zip"><span>\*</span>Zip:</label><input type="text" name="Zip" class="textbox-300" /> </fieldset> <div> </form> div.fieldSet { border: solid black thin; width: 500px; background-color: #ffffb0; fieldset { border: none; margin: 0 0 0 -10px; padding 0; legend { font-size: 20px; background-color: blue; color: white; width: 100%; padding: 5px; label.field { text-align: right; width: 100px; float: left; font-weight: bold; input.textbox-300 { width: 300px; float: left; fieldset p { clear: both; padding: 5px; label span, .required { color: red; font-weight: bold;