PHP

In this lesson, you will be provided with the basic application image for PHP.

Result

The resulting image is published as *learnbook/php-server*. You can run a container from it with the following command:

```
docker run --rm -it -p 8090:80 learnbook/php-server
```

Then point your browser to `http://localhost:8090`

Files

> You can find these files in the *code/common-development-profiles/demos/php* folder.

A static HTML file to be served:

index.php

```
<h1>Hello !</h1>
<p>This page is served by PHP</p>
<p>Try our <a href="/v1/square/4">multiply API</a>.</p>
```

A simple REST API definition:

myapi.php

```php
<?php

  $url = $_REQUEST['rquest'];
  $components = explode("/", $url);
  $value = (float)$components[2];
  $square = $value * $value;
  header("Content-Type: application/json; charset=UTF-8");
  $result = (object) array(
    'value' => $value,
    'square' => $square
  );
  echo json_encode($result);

?>
```

URL rewriting rules for Apache:

.htaccess

```
<IfModule mod_rewrite.c>
  RewriteEngine On

  RewriteCond %{REQUEST_FILENAME} -f [OR]
  RewriteCond %{REQUEST_FILENAME} -d
  RewriteRule ^(.+) - [PT,L]

  RewriteRule ^(v1/.*)$ myapi.php?rquest=$1 [L]

</IfModule>
```

Docker image definition:

Dockerfile

```
FROM php:7.0-apache

# Install Apache module
RUN a2enmod rewrite

COPY . /var/www/html/
```

Let's look at another image in the next lesson.