

# PHP

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

## WE'LL COVER THE FOLLOWING ^

- Result
- Files

## 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

$url = $_REQUEST['request'];
$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?request=$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.