Training

- 13/11/2025

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Web server Installation

1. Go to caddy https://caddyserver.com/
2. Select Window amd64 -> Download
3. Install PHP https://windows.php.net/download/
4. Select VS17 x64 Non Thread Safe -> zip -> Download
5. Create PHP File web/www/index.php

```
<?php phpinfo() ?>
```

6. Create Config File -> Caddyfile

```
# Caddyfile
import snippets/*

# Use the "yii2-app" snippet for our site:
import yii-app localhost C:\Projects\webapp\portalv2\web



## reverse proxy example
#domain.my {
	#tls C:\caddy\ssl\2025\bundle.crt C:\caddy\ssl\2025\site.key

	#reverse_proxy localhost:3000
#}



## redirect old domain to new domain example
#domain.my {
#	redir https://domain.my/
#}
```

7. Create Snippet /snippets/yii-app

```
#/snippets/yii-app
# yii-app
# {args.0} represents the root url of the app. Example domain.com.
# {args.1} represents the root path to the app. Example C:\path

(yii-app) {
    {args[0]} {
        # Resolve the root directory for the app
        root * {args[1]}\www

        # Provide Zstd and Gzip compression
        encode zstd gzip



    #tls C:\caddy\ssl\2025\bundle.crt C:\caddy\ssl\2025\site.key

    header {
        # HIDE SERVER INFO
        -server

        # Enable HTTP caching
        Cache-Control "no-store"

        #HSTS
        Strict-Transport-Security "max-age=63072000; includeSubDomains; preload"

        #CSP
        content-security-policy "default-src 'self'; script-src 'self' 'unsafe-inline' 'unsafe-eval'
blob: *; img-src 'self' data: *; style-src 'self' 'unsafe-inline' *; connect-src 'self' *;
font-src 'self' data: *; frame-src 'self' *; object-src 'none'; media-src 'self' *"
        permissions-policy "geolocation=(),midi=(),sync-
xhr=(),microphone=(),camera=(),magnetometer=(),gyroscope=(),fullscreen=(self),payment=()"

        x-content-type-options "nosniff"
        x-xss-protection "1; mode=block"
        x-frame-options "SAMEORIGIN"
        Referrer-Policy "strict-origin-when-cross-origin"

        Set-Cookie (.*) "$1; SameSite=None; Secure"
        defer
```

```
    }

        # Modify the Set-Cookie header to add secure flags
    header >Set-Cookie (.*) "{http.response.header.Set-Cookie[0]}; HttpOnly; Secure;
SameSite=Lax"

    @static {
        file
        path *.ico *.css *.js *.gif *.webp *.avif *.jpg *.jpeg *.png *.svg *.woff *.woff2
    }



    handle /* {
        #respond {args[1]}\www

        @indexFiles file {
            try_files {path} {path}/index.php index.php
            try_files {path} {path}/index.php
            split_path .php
        }

        rewrite @indexFiles {http.matchers.file.relative}
    }

    handle /admin/* {
        #respond {args[1]}\admin\www

        @indexFiles2 file {
            try_files {path} {path}/admin/index.php /admin/index.php
            try_files {path} {path}/admin/index.php
            split_path .php
        }

        rewrite @indexFiles2 {http.matchers.file.relative}
    }

        # redirect my to / from google
    #redir /my/ /
```

```
        #forbid php from accessed
        @not_no_php {
          not path /assets/*
          path *.php
□□}

        @blocked {
□□□path /assets/*.php
□□}

        respond @blocked 403

□□php_fastcgi @not_no_php 127.0.0.1:9001 {
□□□env front_controller_active true
□□□resolve_root_symlink
□□□dial_timeout 60s
□□□read_timeout 300s
□□□write_timeout 300s
□□}

□□log {
□□□output file access.log
□□}

        # Allow caddy to serve static files
        file_server

□□@dotFiles {
□□  path */.*
□□  not path /.well-known/*
□□}
    }
}
```

7. Run as service (optional)

```
sc.exe create caddy start= auto binPath= "YOURPATH\caddy.exe run"
```

8. Run Php

```
cd YOUR/PHP/PATH


.\php-cgi.exe -c .\php.ini-development -b 127.0.0.1:9001
```

9. Check if php running on port

```
netstat -an | findstr 9001
```

10. add repo `https://gitlab.com/allif.ahmad92/portalv2-dynaweb`

- make sure git is install else go top https://git-scm.com/
- rename web to web_

```
git clone https://gitlab.com/allif.ahmad92/portalv2-dynaweb.git web
```

11. Install Composer https://getcomposer.org/download/

- select php path
- run composer install

```
composer install --ignore-platform-reqs
```

12. Download Mysql https://dev.mysql.com/downloads/file/?id=546163