

## TME 5

### Scenario

For this assignment, I want to simulate a website catered to a local Toronto Karate Club which aims to promote and aid both new and existing members on the activities of the club. The DocumentRoot is located on “/Applications/XAMPP/xamppfiles/htdocs/project”. The main website on local development will be hosted on the domain “localhost” or “tkc.localhost” with the following pages:

1. Home page
  - a. A static page containing general information about the club
2. Blogs & Announcement
  - a. A Dynamic page that shows users new blogs or announcements related to the club. For this demo, user can:
    - i. View all blogs and announcement
    - ii. Click on a blog/announcement to check more details
    - iii. Sort based on category of posts (Currently, these are “Announcement” and “Competition”)
    - iv. Search a blog/announcement based on tag
3. Shop page
  - a. Present the 3 karate uniforms on sale and a form that users can submit. Upon submission, a new tab will open to show the receipt of the order, which contains the amount and total price of the purchase, and the email in which the user can e-transfer to.
4. Download Online karate book
  - a. Upon clicking, a pdf book will be shown and users can download the book.

The admin website can be accessed by using the domain name “127.0.0.1:80” with the following pages:

1. Admin page (Protected via HTTP authentication)
  - a. Admin can perform Create, Read, Update, and Delete (CRUD) categories and posts.

### Technologies used:

- virtual directories (Alias)
  - This allows documents to be stored in the local filesystem other than under the Document Root. This is used in the website by aliasing the directory (not in Document Root) with the karate book with the url, allowing users to access the book and download it.
- virtual servers (virtual host)
  - We are using virtual hosts to separate access between the main TKC website and the Admin TKC website. The main TKC website can be accessed using “localhost” or “tkc.localhost” and the admin website can be accessed using “127.0.0.1”
- PHP

- The main programming language to code dynamic content in our website. In our case, we use this language mainly to provide CRUD capabilities on categories and posts in the “Blog & Announcement” and “Admin” page.
- MariaDB (open-source fork of MySQL or known as an improved version of MySQL)
  - Main relational database used to store information in a table that PHP application can then access and perform CRUD functionality on for dynamic content of the website. (Mainly for categories and posts of the website)
- HTTP authentication
  - Apache authentication is used to restrict normal users from accessing protected web pages. In our case, we use it to protect the admin page from normal user access
- SSL certificates
  - Digital certificate that authenticates a website's identity and enables encrypted connection. When a user types in “<https://tkc.localhost>”, communication is encrypted. We are using a free apache service to get a free SSL certificate in this scenario.
- CGI application
  - This allows a way for a webserver to interact with external content generating programs / CGI programs. In the website, I connected a receipt generation python cgi script with the Toronto Karate Club Shop Form to generate a receipt.
- PHP application
  - The entire admin CRUD functionality of categories and posts of the blogs and announcements are managed by a PHP application.

## Documentation

This documentation aims to serve as a guide for both new and existing webmasters that will take over the management of the Toronto Karate Club main website server. This documentation will provide the organizational context of the website, with an overview of the server's configuration, the rationale behind the design decisions, and best practices for managing the server which covers expected patterns of use, security concerns, accounting issues, performance expectations and fault management.

### **Organizational Context: We are the Toronto Karate Club (TKC)**

Toronto Karate Club is a rapidly growing local Toronto Karate Club (TKC) with around 150 current active members with 3 branches around the Greater Toronto Area. Every year, we have seen an expected increase in membership of around 20% compared to previous year. Moreover, as the Toronto karate club grows larger, we have been receiving invitations to both local and international competitions to participate in these events.

The website and web-based applications hosted on the server are critical components of TKC's operations, providing an interface for customers to access and utilize the company's services. To support these services, we have built a robust web server intended to serve as a platform to provide information and details regarding the Toronto Karate Club, connecting with new and existing members of the club through our blogs posts, as well as our locally supplied karate uniform shop for users to benefit on.

### **Overview of Web Server Configuration & Justification of Decisions based on context:**

1. **Operating System:** MacOS monterey
  - a. The server is configured with the latest version of MacOS that TKC currently owns. We chose MacOS due to its ease of use, security features, and availability of support in the online community. Our system is regularly updated with the newest updates released by Apple to ensure that we are updated with any new security features and bug patches released.
2. **Web Server:** Apache 2.4.54
  - a. The server is running Apache 2.4.54, which is one of the most widely used web servers in the industry. Apache was chosen for its stability, security features, and support for various web technologies.
3. **Database:** MariaDB 10.4.27
  - a. MariaDB is an open-source fork of MySQL, a widely used open-source database management system that currently is known as an improved version of MySQL. MariaDB was chosen for its reliability, scalability, and ease of use.
4. **Content Management System (CMS):** PHP Application that is part of our current source code (accessible using "127.0.0.1")
  - a. Our current CMS is a PHP Application that connects to MariaDB to perform CRUD functionality on the website. (This is done in TME 5 to show a functioning PHP application and connection to MariaDB)

## **Full description and explanation of the configuration:**

Development of the Web server is done using XAMPP where the DocumentRoot of the project is in the “*/Applications/XAMPP/htdocs/project*” directory. The file structure of the PHP Application can be found in Appendix 1.

## **Details on each web pages, its technologies and configuration:**

- **Home page** (Technology: PHP)
  - A static page containing general information about the club
  - Code location: */Applications/XAMPP/htdocs/project/index.php*
- **Blogs & Announcement** (Technology: PHP Application & fetch data from MariaDB)
  - A Dynamic page that shows users new blogs or announcements related to the club. The PHP code in each of these files are able to connect to MariaDB and perform a Read functionality on the current contents that we have in store in the database. For this demo, user can:
    - View all blogs and announcement
      - Code location: */Applications/XAMPP/htdocs/project/blogs.php*
    - Click on a blog/announcement to check more details
      - Code location: */Applications/XAMPP/htdocs/project/post.php*
    - Sort based on category of posts (Currently, these are “Announcement” and “Competition”)
      - Code location: */Applications/XAMPP/htdocs/project/category.php*
    - Search a blog/announcement based on tag
      - Code location: */Applications/XAMPP/htdocs/project/search.php*
    - All data for the blogs are saved in MariaDB.
- **TKC Shop** (Technology: PHP & CGI application & Script Alias)
  - Process
    - There's a form with input text of name, email, amount of white, red, and black karate Gi. Users can submit the form after they are done.
    - Upon submission, PHP will direct this traffic to the Python CGI script (*receipt.py*) for further processing of receipt.
    - The output of the python script, which is a receipt, will be shown in a new tab, which contains the amount and total price of the purchase, and the email in which the user can e-transfer to.
  - Configuration on *httpd.conf* (Check Appendix 2: *httpd.conf*)
    - ScriptAlias: allows access to files outside of DocumentRoot and for the files to be executed. The following configuration is needed for this:

```
ScriptAlias /cgi-bin/ "/Applications/XAMPP/xamppfiles/cgi-bin/"  
- <Directory "/Applications/XAMPP/xamppfiles/cgi-bin">  
- AllowOverride None  
- Options +ExecCGI  
- Require all granted  
- </Directory>  
- TypesConfig etc/mime.types
```

- AddHandler cgi-script .py
- CGI application
  - Receipt.py is located in  
"/Applications/XAMPP/xamppfiles/cgi-bin/receipt.py"
  - The form in "shop.php" simply needs to direct its action to "localhost/cgi-bin/receipt.py" to execute the python script
- **Download Online karate book** (Technology: virtual directory using Alias)
  - Upon clicking, a pdf book will be shown and users can download the book.
  - Alias allows access to files outside of DocumentRoot (files are not executable)
  - Configuration in httpd.conf:
 

```
Alias /download /Applications/XAMPP/download/karate-book.pdf
<Directory "/Applications/XAMPP/download/karate-book.pdf">
    Require all granted
</Directory>
```
- **Admin page (Protected via HTTP authentication)**
  - CMS CRUD Functionality (Technology: PHP Application & MariaDB)
    - Admin can perform Create, Read, Update, and Delete (CRUD) categories and posts.
  - **Protection** (Technology: Apache HTTP Authentication)
    - Create encrypted username and password
      - In our case, password is located in /Applications/XAMPP/user-pass/.htpasswd
      - Important command:
        - .htpassword is created first time:
          - sudo htpasswd -c .htpassword <username>
        - Incase file already exists:
          - sudo htpasswd .htpassword <username>
    - .htaccess file is in the "/Applications/XAMPP/htdocs/admin/" directory, which shows an Authentication popup when accessing the admin page. .htaccess file content is as follow:
 

```
- AuthType Basic
- AuthName "admin area"
- AuthUserFile /Applications/XAMPP/user-pass/.htpasswd
- Require valid-user
```
  - Httpd.conf:
 

```
- LoadModule auth_basic_module modules/mod_auth_basic.so
- DocumentRoot "/Applications/XAMPP/xamppfiles/htdocs"
<Directory "/Applications/XAMPP/xamppfiles/htdocs">
    AllowOverride All
</Directory>
```

## Overall Website Technology:

- **Apache virtual hosts**

- Our localhost website can be accessed not just by “localhost” but also tkc.localhost

- **Httpd.conf**

```
# Virtual hosts  
Include etc/extra/httpd-vhosts.conf
```

- **Httpd-vhosts.conf**

```
<VirtualHost localhost:80>  
  
    DocumentRoot "/Applications/XAMPP/xamppfiles/htdocs/project"  
  
    ServerName localhost  
  
  
<Directory "/Applications/XAMPP/xamppfiles/htdocs/project">  
  
    Options Indexes FollowSymLinks  
  
    AllowOverride All  
  
    Require all granted  
  
</Directory>  
  
</VirtualHost>  
  
  
<VirtualHost 127.0.0.1:80>  
  
    DocumentRoot "/Applications/XAMPP/xamppfiles/htdocs/project/admin"  
  
    ServerName 127.0.0.1  
  
  
<Directory "/Applications/XAMPP/xamppfiles/htdocs/project">  
  
    Options Indexes FollowSymLinks  
  
    AllowOverride All  
  
    Require all granted  
  
</Directory>  
  
</VirtualHost>
```

- **SSL Certificate**
  - If the private key and certificate is not generated yet, generate a private key and certificate for your site.
    - Key location: /Applications/XAMPP/etc/ssl.key/
      - sudo openssl genrsa -out /Applications/XAMPP/etc/ssl.key/localhost.key 2048
    - Cert location: /Applications/XAMPP/etc/ssl.crt/
      - sudo openssl req -new -x509 -key /Applications/XAMPP/etc/ssl.key/localhost.key -out /Applications/XAMPP/etc/ssl.crt/localhost.crt -days 3650 -subj /CN=localhost
  - Add the certificate to Keychain Access.
    - sudo security add-trusted-cert -d -r trustRoot -k /Library/Keychains/System.keychain /Applications/XAMPP/etc/ssl.crt/localhost.crt
  - Configuration on httpd.conf
 

```

LoadModule vhost_alias_module libexec/apache2/mod_vhost_alias.so
LoadModule socache_shmcb_module lib/httpd/modules/mod_socache_shmcb.so
LoadModule ssl_module lib/httpd/modules/mod_ssl.so
Include /usr/local/etc/httpd/extrahttpd-ssl.conf
Include /usr/local/etc/httpd/extrahhttpd-vhosts.conf
      
```
  - Configuration on httpd-vhosts.conf
 

```

<VirtualHost *:443>
  DocumentRoot "/Applications/XAMPP/xamppfiles/htdocs/project"
  ServerName tkc-secure.localhost
  SSLEngine on
  SSLCipherSuite
  ALL:!ADH:!EXPORT56:RC4+RSA:+HIGH:+MEDIUM:+LOW:+SSLv2:+EXP:+eNULL
  SSLCertificateFile /Applications/XAMPP/etc/ssl.crt/localhost.crt
  SSLCertificateKeyFile /Applications/XAMPP/etc/ssl.key/localhost.key
  <Directory "/Applications/XAMPP/xamppfiles/htdocs/project">
    Options Indexes FollowSymLinks
    AllowOverride All
    Require all granted
  </Directory>
</VirtualHost>
      
```
  - Configuration on httpd-ssl.conf
 

```

Listen 433
ServerName localhost
      
```

```
- SSLCertificateFile "/etc/apache2/ssl/localhost.crt"
- SSLCertificateKeyFile "/etc/apache2/ssl/localhost.key"
```

## MariaDB Tables:

- 2 tables
  - Categories
    - Cat\_id: primary key (int:3)
    - Cat\_title (varchar:255)
  - Posts
    - Post\_id: primary key (int:3)
    - Post\_category\_id (int:3)
    - Post\_title (varchar:255)
    - Post\_author (varchar:255)
    - Post\_date (date)
    - Post\_image (text)
    - Post\_content (text)
    - Post\_tags (varchar:255)
    - Post\_status (varchar:255)

**Access to logging via AWSTATS:** <http://localhost/awstats/awstats.pl?config=localhost>

## Expected Patterns of Use:

With the context in mind, we want to create and maintain a robust web server that is expected to handle a moderate amount of traffic, with occasional spikes during high-traffic periods such as during peak karate tournament season. We want to avoid downtime or performance issues which may significantly impact the user's experience on TKC website.

## Security Concerns

Currently, we employ HTTP Authentication (allow only admin to access the admin CMS page), SSL Certificate (encrypt data transmission between the server and client), and Regular backups (ensure data integrity and availability in the event of a security breach or data loss). I believe there are more strategies that we can employ to increase security in the future such as enforcing admin to have strong passwords and two-factor authentication or using intrusion detection system (IDS) to detect and prevent malicious attacks. However, this can be implemented in future iterations of the website.

## Accounting Issues

Managing the cost of running a web server is an important aspect of maintaining a TKC website, especially it being a small, local club. This includes tracking the cost of hardware, software licenses, and ongoing maintenance and support. In terms of cost, the only payment needed is the annual fee of host and domain.

As for accounting on technology resources, we can use Awstats to check for bandwidth usage. Unfortunately, my localhost setup of Awstats is unable to track CPU and memory usage, hence a better logging method is advice for future iterations.

### **Performance Expectations**

The server is expected to perform reliably and efficiently, with minimal downtime or performance issues. Regular maintenance, including updates and security patches, is performed to ensure optimal performance. Currently, this is done through Awstats, in which it can record the number of visits, pages, hits and bandwidth. Webmaster can also keep an eye on customer feedback to spot bugs and performance issues. In the event of performance issues, the webmaster is responsible for troubleshooting and resolving the issue in a timely manner.

### **Fault Management**

Web servers can experience faults or failures due to hardware or software issues, power outages, or other causes. Due to our small website and limited budget, we don't have a backup server in the case of failure. However, it is something that can be done in the future if traffic is high enough. Our current fault management system includes implementing backup and disaster recovery solutions, monitoring the server for any issues, and having a plan in place to address any problems that arise. This means that website downtime can be substantial, however, with the limited budget we have, it is the best solution that we can do currently.

## **Appendix 1 (File structure of DocumentRoot)**

When I submitted the summative assessment, I will upload the content below as part of the assignment product as proof that I did my work.

**There is a zip file called “TME 5 - Assignment Product” where the file structure is as follow:**

- **cgi-bin/ (All files that relates to CGI Application)**
- **download/ (contain a pdf file how virtual directory purposes)**
  -
- **user-pass/ (contain a .htpassword for HTTP Authentication)**
  -
- **htdocs/**
  - **project/**
    - **Admin/**
      - **Css/**
      - **Font-awesome/**
      - **fonths/**
      - **Images/ (Images are stored here)**
      - **Includes/ (reusable code)**
        - Add\_post.php
        - Admin\_footer.php
        - Admin\_header.php
        - Admin\_navigation.php
        - Edit\_categories.php
        - Edit\_post.php
        - view\_all\_posts.php
      - **Js/**
      - **.htaccess (*http authentication*)**
      - Categories.php
      - Functions.php
      - Index.php
      - posts.php
    - **Css/**
    - **Fonts/**
    - **Images/ (Images are stored here)**
    - **Js/**
    - **Includes/ (reusable code)**
      - Db.php
      - Footer.php
      - Header.php
      - Navigation.php
      - Sidebar.php
  - **Test/ (For TME 6)**

- **images/ (images for TME 6 and htaccess file)**
  - .htaccess
  - Index.php
  - Test.html
  - test\_cookie.php
- Blogs.php
- Category.php
- Index.php
- Post.php
- Search.php
- Shop.php
- **Config files/**
  - Httpd.conf
    - Configuration on virtual directory, CGI application
  - My.cnf
    - Configuration on MySQL
  - Php.ini
    - Configuration on PHP
  - Httpd-vhosts.conf
    - Configuration on Virtual host
  - Httpd-ssl.conf
    - Configuration on SSL
  - Access\_log
    - Configuration on logs of server
  - Project.sql
    - Database backup

#### **Appendix 2 (httpd.conf)**

The full file is uploaded as part of a zip file called TME 5, refer to Appendix 1.

#### **Appendix 3 (my.cnf)**

The full file is uploaded as part of a zip file called TME 5, refer to Appendix 1.

#### **Appendix 4 (httpd-vhosts.conf)**

The full file is uploaded as part of a zip file called TME 5, refer to Appendix 1.

#### **Appendix 5 (httpd-ssl.conf)**

The full file is uploaded as part of a zip file called TME 5, refer to Appendix 1.

## Unit 5 Learning Journal

- Photo Evidence of each page (If you checked the url, it is https)
- Home Page

This screenshot shows the homepage of the Toronto Karate Club. At the top, there's a navigation bar with links like 'Getting Started', 'UFT', 'Investing', 'Korean', 'Real Estate', 'Affiliate', 'FOR300', 'COMP420', 'Leetcode', 'Winter 2023 | Trebs', 'EasyPeasy', and 'Transport Layer S...'. Below the navigation is a banner with the text 'Toronto Karate Club' and 'Train hard, Keep Grinding'. The main content area features a large image of two people in a karate pose. Below the image is a paragraph of placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer tempor libero vitae placerat ultrices. Nulla rutrum consectetur lectus, eu dignissim onto mattis sed. Sed at amet mauris monacus, vulputate sem at, feudebat ac. Vivamus quis dignissim lorem. Morbi eu varus augue. Duis tristis tesser sem, ac alfranceur nunc scelerisque in. Duis malaudis, sem at laicus curas, augue nisi mollis odio, sit amet tribus ex enim quis facias. Aliquam enim est, commodo quis et, blandit utrueque quin. In enim volutpat lectus, sit amet outis semper nunc, ac aliquip et, blandit utrueque quin.' Another paragraph follows: 'Lorem ipsum dolor sit amet, consectetur adipiscioneit. Integer tempor libero vitae placerat ultrices. Nulla rutrum consectetur lectus, eu dignissim onto mattis sed. Sed at amet mauris monacus, vulputate sem at, feudebat ac. Vivamus quis dignissim lorem. Morbi eu varus augue. Duis tristis tesser sem, ac alfranceur nunc scelerisque in. Duis malaudis, sem at laicus curas, augue nisi mollis odio, sit amet tribus ex enim quis facias. Aliquam enim est, commodo quis et, blandit utrueque quin. In enim volutpat lectus, sit amet outis semper nunc, ac aliquip et, blandit utrueque quin.' At the bottom right is a copyright notice: 'Copyright © Toronto Karate Club, 2023'.

- Blog and Announcement

This screenshot shows the 'Announcement & Blog' page of the Toronto Karate Club. The top navigation bar is identical to the home page. The main content area has a 'Blog Search' input field and a 'Blog Categories' section with 'Competition' and 'Announcement' options. Below these is a 'Side Widget Well' containing placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscioneit. Inventore, perpiciatis adipi accasius laudantium oddi aliquam repudiata tempore quo impeditur vero...'. To the right is a large image of many hot air balloons over a landscape, with a sidebar titled 'Side Widget Well' containing more placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscioneit. Inventore, perpiciatis adipi accasius laudantium oddi aliquam repidi tempore quo impeditur vero...'. At the bottom right is a copyright notice: 'Copyright © Toronto Karate Club, 2023'.

- TKC Shop

This screenshot shows the 'TKC Shop' page of the Toronto Karate Club. The top navigation bar is identical to the home page. The main content area has a 'Blog Search' input field and a 'Blog Categories' section with 'Competition' and 'Announcement' options. Below these is a 'Side Widget Well' containing placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscioneit. Inventore, perpiciatis adipi accasius laudantium oddi aliquam repudiata tempore quo impeditur vero...'. To the right is a large image of many hot air balloons over a landscape, with a sidebar titled 'Side Widget Well' containing more placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscioneit. Inventore, perpiciatis adipi accasius laudantium oddi aliquam repidi tempore quo impeditur vero...'. At the bottom right is a copyright notice: 'Copyright © Toronto Karate Club, 2023'.

**Toronto Karate Club's Shop Our Equipment**

White Karate Gi \$10.00  
Black Karate Gi \$20.00  
Red Karate Gi \$30.00

**Send a purchase request below!**

Name:

**Request for this purchase**

Name: Patrick Louis  
Email: plouis1@team.athabasca.ca  
Amount White Karate Gi (\$10.00): 1  
Amount Black Karate Gi (\$20.00): 2  
Amount Red Karate Gi (\$30.00): 0  
Total Amount: \$ 50

Please e-transfer this amount to dcl@shop.com

**Calculate Cost + Receipt**

Copyright © Toronto Karate Club, 2023

## - Download Karate Book

**Toronto Karate Club's Shop Our Equipment**

White Karate Gi \$10.00  
Black Karate Gi \$20.00

**TUTTLE**  
**ESSENTIAL BO MARTIAL KICKS**  
LEARN TO UNLEASH A DEVASTATING BARRAGE OF KICKS TO THROW YOUR OPPONENT OFF-GUARD!

## Admin CMS Page

### - Admin Authentication

### - Admin Dashboard

### - Admin View, Update, and Delete Post

ID	Category_id	Title	Author	Date	Image	Content	Tags	Status	Action
1	Announcement	Announcement: Training on Monday	Sensel Chang	2023-03-07		Consectetur adipiscing ...	announcement, training	published	<a href="#">Update</a> <a href="#">Delete</a>
3	Competition	test	test	2023-03-07		test ...	test, test	published	<a href="#">Update</a> <a href="#">Delete</a>
10	Competition	TEST	JN	2023-03-07		ASDFASDFASD ...	ASDFASDF	published	<a href="#">Update</a> <a href="#">Delete</a>

### - Admin Add Post

### - Admin Create, Read, Update, Delete Category

ID	Category	Delete	Update
2	Competition	<a href="#">Delete</a>	<a href="#">Update</a>
4	Announcement	<a href="#">Delete</a>	<a href="#">Update</a>

2. **Evidence from access\_logs:** The full file is uploaded as part of a zip file called TME 5, refer to Appendix 1.

### 3. Photo Evidence of Awstats:

Summary						
Reported period	Month Mar 2023					
First visit	07 Mar 2023 - 16:40					
Last visit	11 Mar 2023 - 20:32					
	Unique visitors	Number of visits	Pages	Hits	Bandwidth	
Viewed traffic *	2	16 (8 visits/visitor)	640 (40 Pages/Visit)	1,550 (96.87 Hits/Visit)	278.91 MB (17850.21 KB/Visit)	
Not viewed traffic *			142	477	1.06 MB	

\* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history											
Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:	Unique visitors:
ONumber of visits:	ONumber of pages:	2Number of visits:	16Pages:	ONumber of visits:	ONumber of pages:	ONumber of visits:	OPages:	ONumber of visits:	OPages:	ONumber of visits:	OPages:
OHits:	OHits:	2OHits:	1550Bandwidth:	OHits:	OHits:	OHits:	OHits:	OHits:	OHits:	OHits:	OHits:
OBandwidth: 0	OBandwidth: 0	278.91 MB	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0	OBandwidth: 0
Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2023	0	0	0	0	0
Feb 2023	0	0	0	0	0
<b>Mar 2023</b>	<b>2</b>	<b>16</b>	<b>640</b>	<b>1,550</b>	<b>278.91 MB</b>
Apr 2023	0	0	0	0	0
May 2023	0	0	0	0	0
Jun 2023	0	0	0	0	0
Jul 2023	0	0	0	0	0
Aug 2023	0	0	0	0	0
Sep 2023	0	0	0	0	0
Oct 2023	0	0	0	0	0
Nov 2023	0	0	0	0	0
Dec 2023	0	0	0	0	0
Total	2	16	640	1,550	278.91 MB

Day	Number of visits	Pages	Hits	Bandwidth
01 Mar 2023	0	0	0	0
02 Mar 2023	0	0	0	0
03 Mar 2023	0	0	0	0
04 Mar 2023	0	0	0	0
05 Mar 2023	0	0	0	0
06 Mar 2023	0	0	0	0
07 Mar 2023	3	489	1,076	89.73 MB
08 Mar 2023	3	21	81	74.32 MB
09 Mar 2023	0	0	0	0
10 Mar 2023	4	45	95	52.12 MB
<b>11 Mar 2023</b>	<b>6</b>	<b>85</b>	<b>298</b>	<b>62.74 MB</b>
12 Mar 2023	0	0	0	0
13 Mar 2023	0	0	0	0
14 Mar 2023	0	0	0	0
15 Mar 2023	0	0	0	0
16 Mar 2023	0	0	0	0
17 Mar 2023	0	0	0	0
18 Mar 2023	0	0	0	0
19 Mar 2023	0	0	0	0
20 Mar 2023	0	0	0	0
21 Mar 2023	0	0	0	0
22 Mar 2023	0	0	0	0
23 Mar 2023	0	0	0	0
24 Mar 2023	0	0	0	0
25 Mar 2023	0	0	0	0
26 Mar 2023	0	0	0	0
27 Mar 2023	0	0	0	0
28 Mar 2023	0	0	0	0
29 Mar 2023	0	0	0	0
30 Mar 2023	0	0	0	0
31 Mar 2023	0	0	0	0
Average	1	58	140	25.36 MB
Total	16	640	1,550	278.91 MB

Days of week							
Pages: 0Hits: 0Bandwidth: 0	Pages: 489Hits: 1076Bandwidth: 89.73 MB	Pages: 10.50Hits: 40.50Bandwidth: 37.16 MB	Pages: 0Hits: 0Bandwidth: 0	Pages: 22.50Hits: 47.50Bandwidth: 26.06 MB	Pages: 42.50Hits: 149Bandwidth: 31.37 MB	Pages: 0Hits: 0Bandwidth: 0	
Mon	Tue	Wed	Thu	Fri	Sat	Sun	
Day	Pages	Hits	Bandwidth	Day	Pages	Hits	
Mon	0	0	0	Tue	489	1,076	89.73 MB
				Wed	10	40	37.16 MB
				Thu	0	0	0
				Fri	22	47	26.06 MB
				Sat	42	149	31.37 MB
				Sun	0	0	0

Visitors domains/countries (Top 10) - Full list					
Domains/Countries		Pages	Hits	Bandwidth	
Unknown Unknown	ip	640	1,550	278.91 MB	
Others		0	0	0	

Hosts (Top 10) - Full list - Last visit - Unresolved IP Address					
Hosts : 0 Known, 2 Unknown (Unresolved ip) 2 Unique visitors				Pages	Hits
127.0.0.1				581	1,416
::1				59	134

Visits duration		Number of visits: 16 - Average: 1,666 s	Number of visits	Percent
0s-30s			1	6.2 %
30s-2mn			2	12.5 %
2mn-5mn			1	6.2 %
5mn-15mn				
15mn-30mn			5	31.2 %
30mn-1h			2	12.5 %
1h+			3	18.7 %
Unknown			2	12.5 %

File type		File type	Hits	Percent	Bandwidth	Percent
php	Dynamic PHP Script file		545	35.1 %	2.92 MB	1 %
js	JavaScript file		374	24.1 %	14.79 MB	5.3 %
png	Image		261	16.8 %	203.63 KB	0 %
css	Cascading Style Sheet file		167	10.7 %	8.72 MB	3.1 %
jpg	Image		64	4.1 %	188.05 MB	67.4 %
Unknown			42	2.7 %	62.64 MB	22.4 %
py	Dynamic HTML page or Script file		32	2 %	5.30 KB	0 %
pl	Dynamic Perl Script file		21	1.3 %	585.85 KB	0.2 %
woff2	Font file		13	0.8 %	158.45 KB	0 %
woff	Font file		13	0.8 %	830.93 KB	0.2 %
svg	Image		12	0.7 %	50.28 KB	0 %
gif	Image		6	0.3 %	5.43 KB	0 %

Pages-URL (Top 10) - Full list - Entry - Exit					
23 different pages-url	Viewed	Average size	Entry	Exit	
/phpmyadmin/	202	4.44 KB	1		
/	68	5.99 KB	7	6	
/project/admin/posts.php	56	7.68 KB			
/project/shop.php	47	5.13 KB			
*	36		6	6	
/admin/posts.php	31	7.82 KB			
/test.py	26	124 Bytes			
/admin/	21	3.94 KB		1	
/project/	21	5.93 KB			
/awstats/awstats.pl	21	27.90 KB		1	
Others	111	582.91 KB	2		