

Setup CVE-2023-30212 within the vulnerable Docker environment

Step 1: Pull the Ubuntu Docker Image

If you don't have the Ubuntu Docker image already, you can pull it from the official Docker Hub repository. Open your terminal or command prompt and execute the following command:

☐ `docker pull ubuntu`

Step 2: Create a Docker Container

Create a Docker container based on the Ubuntu image you pulled. Run the following command to create a new container:

☐ `docker create --name xampp-container -p 80:80 -p 443:443 -p 3306:3306 -p 21:21 -v /path/to/xampp:/opt/lampp -it ubuntu`

Replace `/path/to/xampp` with the absolute path on your host machine where you want to mount the XAMPP directory. This will allow you to persist data and configuration changes even if the container is removed.

The `-p` option is used to map container ports to host ports. In this example, ports 80, 443, 3306, and 21 are mapped for HTTP, HTTPS, MySQL, and FTP respectively.

Step 3: Start the Docker Container

Start the Docker container using the following command:

☐ `docker start xampp-container`

Step 4: Access the Docker Container in command line

To access the terminal of your Docker container, use the following command:

☐ `docker exec -it xampp-container /bin/bash`

This command opens a shell within the container, allowing you to interact with it.

Step 5: Update Package Repository and Install Dependencies

Inside the Docker container, update the package repository and install the necessary dependencies by running the following commands:

- ☐ apt-get update
- ☐ apt-get install -y wget ca-certificates apt-utils dialog

Step 6: Download and Install XAMPP

Download the XAMPP installer using the following command:

- ☐ wget https://www.apachefriends.org/xampp-files/<version>/xampp-linux-x64-<version>.tar.gz

Replace <version> with the desired version number of XAMPP. For example, if you want to download version 8.0.11, the command would be:

- ☐ wget https://www.apachefriends.org/xampp-files/7.2.0/xampp-linux-x64-7.2.0.tar.gz

Extract the downloaded tar.gz file using the command:

- ☐ tar xvfz xampp-linux-x64-<version>.tar.gz -C /opt

Again, replace 7.2.0 with the appropriate version number.

Step 7: Start XAMPP Services

Inside the Docker container, navigate to the XAMPP installation directory by executing the following command

- ☐ cd /opt/lampp

To start XAMPP, run the command:

- ☐ ./xampp start

This command will start all the services included in XAMPP, such as Apache, MySQL, FTP, etc.

Step 8: Verify XAMPP

Once XAMPP services are started, you can verify their status by opening a web browser on your host machine and accessing <http://localhost>. If XAMPP is running correctly, you should see the XAMPP welcome page.

You can also access other services like PHPMyAdmin by visiting <http://localhost/phpmyadmin>.

Step 9: Now clone the vulnerables files

- ☐ Download and clone the files to htdocs folder
- ☐ <https://down.chinaz.com/api/index/download?id=51308&type=code>

Step 10: Assign rwx Permissions to files and directory for execution

- ☐ Assigns permission to config directory.
- ☐ Assigns permission to function/upload,function/_cache,function/_compile directory.
- ☐ If not working ,Assigns permission to client directory also.