# Sentry Web Client installation documentation

Version 2025R3

V2025R3_10.2025

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# Introduction

## Scope

This document describes steps to install Sentry Web Client on a fresh machine. For Windows, a simplified and recommended way to install Web Client on a Windows machine is detailed in the section Windows WSL. For Linux, please skip this section and go straight to Deployment of the Web Client (Windows WSL and native Ubuntu Linux)

For upgrading Windows (non-Docker), please jump to the section Non-Docker - Install Sentry Web Client. This version is marked as deprecated and will be removed in the future.

## Audience

The following roles are the intended audience for this guide:

- System Administrators: Responsible for configuring and managing the system to ensure it runs smoothly and efficiently.
- Operations Personnel: Tasked with the daily operation and monitoring of the system to maintain optimal performance and address any operational issues as they arise.

# Pre-requisites

## Technical Knowledge

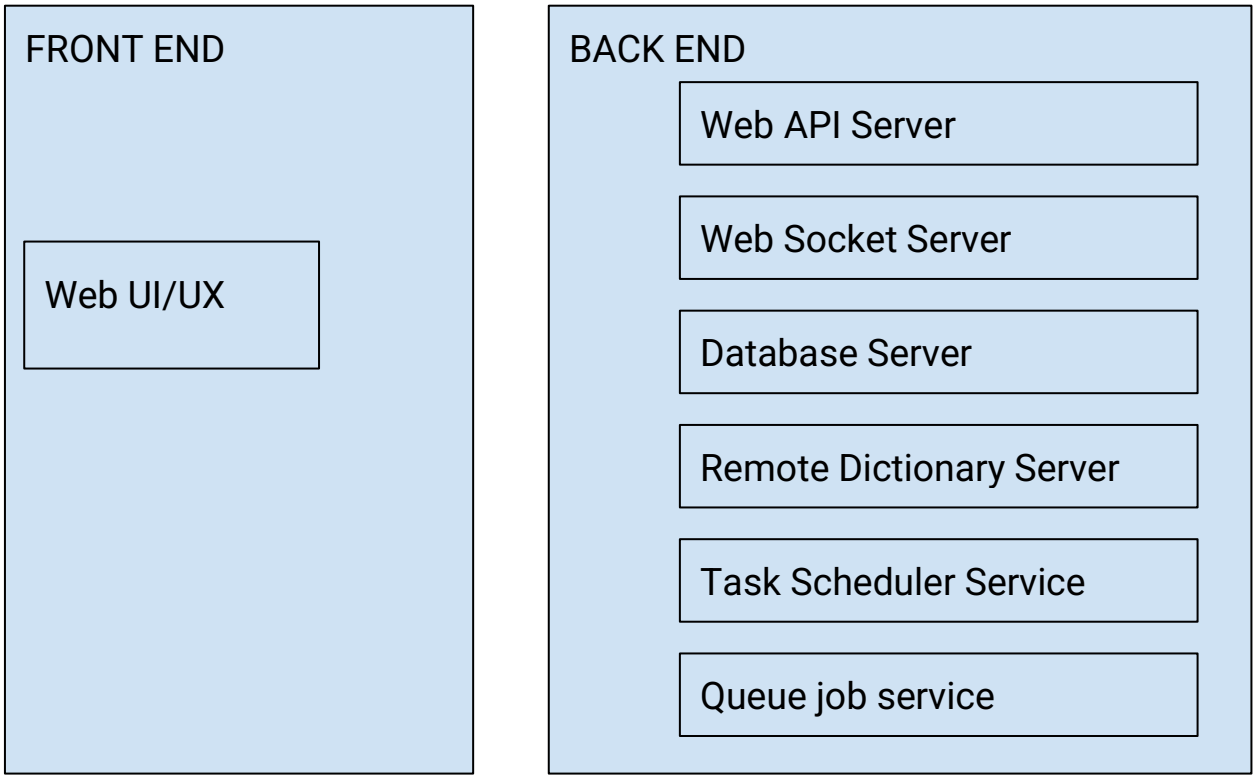
- Basic Windows Proficiency. Ability to navigate Windows applications, log into systems, and manage basic settings.
- Data Entry Skills. Proficiency in entering data into various Windows-based software applications.
- System Navigation. Understanding of how to access and use installed systems, including logging in and performing routine operations.

## System Access

- Administrator Privileges. Access to a user account with the right privileges to be able to perform the intended activities.

- Network Permissions. Ensure necessary permissions are granted and configure network settings, including firewall exceptions.

## Sentry Web Client Components



## Windows WSL

*Please skip this section if you are using native Ubuntu Linux.*

Prerequisites:

- Windows 11 24H2 or later
- PrepareWSL.ps1 script

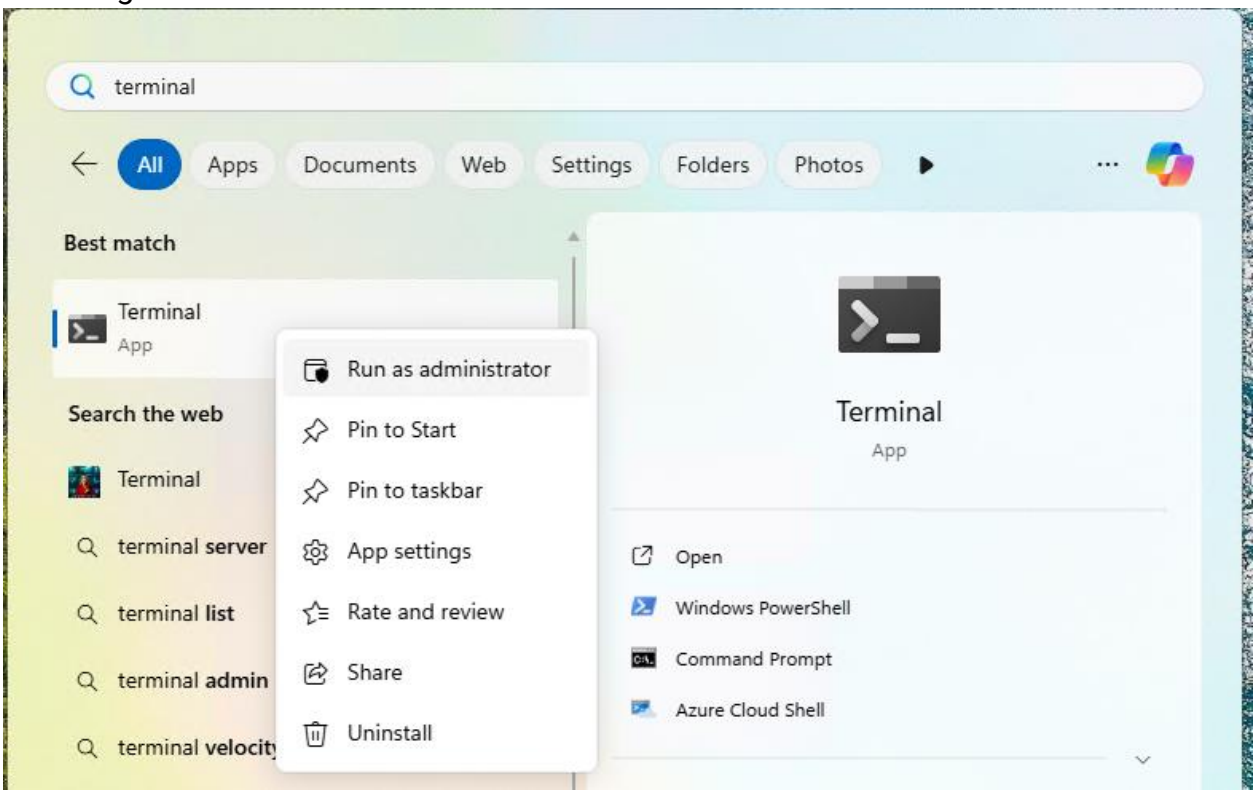
WSL provides a Linux environment suitable for the Linux Docker images on a Windows machine. Once WSL is configured on your machine you can use docker to manage the services. The ports opened by docker need to be made available on your Windows machine – this process is described below.

### Installing on a new Machine

The `PrepareWSL.ps1` script helps you configure WSL on a Windows machine. It performs the following tasks:

- Enables WSL and configures the environment
- Configures Windows to start WSL at boot time
- Maps specified TCP ports from WSL to Windows and adds a Firewall rule to allow remote connections.
    - The tool requires you to specify which ports you want open. Check they are correct. If you need to open more ports in the future the tool has an alternative mode for that. See “Adding WebClient if WSL is already installed and working” below.

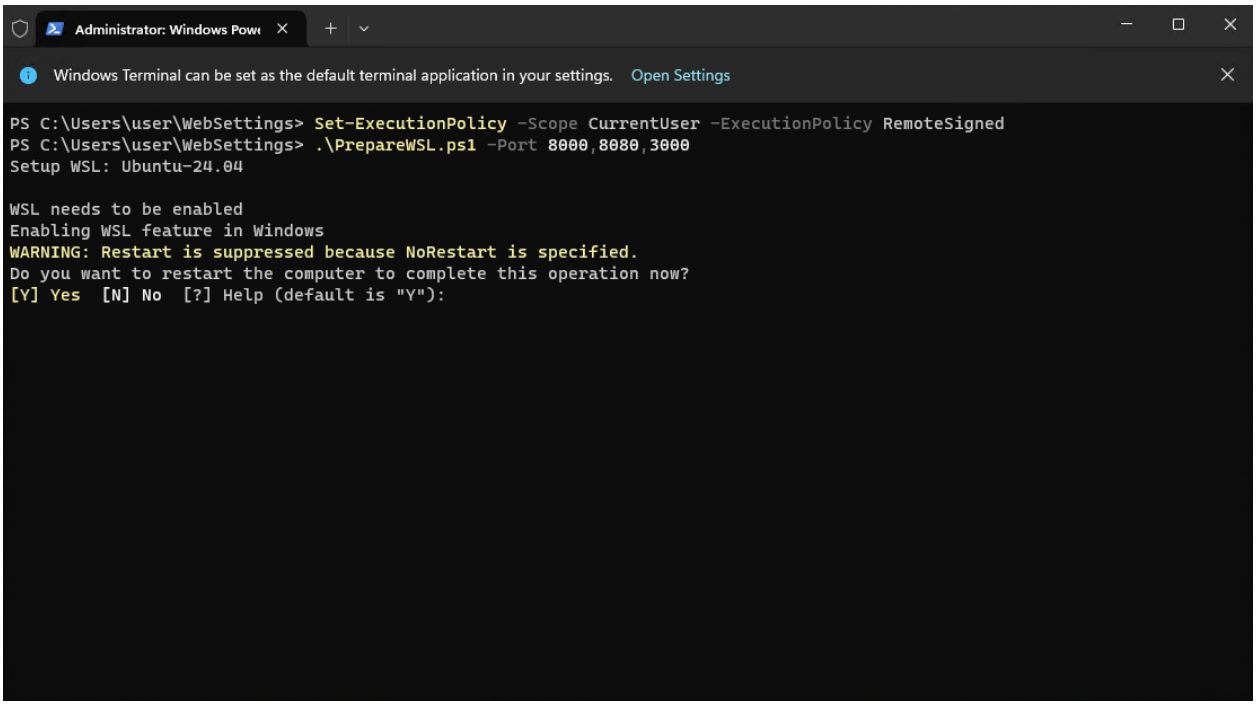
Run Powershell as Administrator by searching for “Terminal” right-clicking and choosing “Run as administrator”:




On a new machine you’ll have to allow running PowerShell scripts. Make sure you know which ports you need to open. We’re using the default ports 8000, 8080 and 3000.

```
> Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser
> .\PrepareWSL.ps1 -Port 8000,8080,3000
```

The first time you run the script – it's likely some components will require a reboot. Hit Y to do so when asked:




When the computer has rebooted restart PowerShell as above, return to where the script was run. Run it again to complete the installation. You will be prompted part way through to create a user-name and password for your WSL account. You may delete the example username and write your own. Remember your password or you will have trouble administering your WSL instance.


The script will continue after you confirm your password. Here is the full output:

```
>.\PrepareWSL.ps1 -Port 8000,8080,3000
Setup WSL: Ubuntu-24.04

WSL is enabled
Checking WSL version
Downloading: Windows Subsystem for Linux 2.6.1
Installing: Windows Subsystem for Linux 2.6.1
Windows Subsystem for Linux 2.6.1 has been installed.
The operation completed successfully.
Checking for updates.
The most recent version of Windows Subsystem for Linux is already installed.
Installing Ubuntu-24.04
Downloading: Ubuntu 24.04 LTS
Installing: Ubuntu 24.04 LTS
Distribution successfully installed. It can be launched via 'wsl.exe -d Ubuntu-
24.04'
```

```
Configuring Ubuntu-24.04
Conversion in progress, this may take a few minutes.
The operation completed successfully.

Ubuntu-24.04 is ready, you may need to perform initial configuration

Starting...
Provisioning the new WSL instance Ubuntu-24.04
This might take a while...
Create a default Unix user account: sentry
New password:
Retype new password:
passwd: password updated successfully

Ubuntu-24.04 seemed to start correctly.

Configure Startup
Configured task "WSL Startup"


Ok.


Ok.


Ok.


Listen on ipv4:             Connect to ipv4:

Address         Port        Address         Port
--------------- ----------  --------------- ----------
0.0.0.0         8000        172.28.224.38   8000
0.0.0.0         8080        172.28.224.38   8080
0.0.0.0         3000        172.28.224.38   3000


Rule Name:                            WSL Port 8000
----------------------------------------------------------------------
Enabled:                              Yes
Direction:                            In
Profiles:                             Domain,Private,Public
Grouping:
LocalIP:                              Any
RemoteIP:                             Any
Protocol:                             TCP
LocalPort:                            8000
RemotePort:                           Any
Edge traversal:                       No
Action:                               Allow
Ok.


Rule Name:                            WSL Port 8080
----------------------------------------------------------------------
Enabled:                              Yes
Direction:                            In
```

```
Profiles:                             Domain,Private,Public
Grouping:
LocalIP:                              Any
RemoteIP:                             Any
Protocol:                             TCP
LocalPort:                            8080
RemotePort:                           Any
Edge traversal:                       No
Action:                               Allow
Ok.


Rule Name:                            WSL Port 3000
----------------------------------------------------------------------
Enabled:                              Yes
Direction:                            In
Profiles:                             Domain,Private,Public
Grouping:
LocalIP:                              Any
RemoteIP:                             Any
Protocol:                             TCP
LocalPort:                            3000
RemotePort:                           Any
Edge traversal:                       No
Action:                               Allow
Ok.
```

That's a lot of output.  You can find more details about what is being done in the sections "Setting WSL to start at boot without requiring a login" and "Opening ports for using WebClient"0.

## Adding WebClient if WSL is already installed and working

If you already have WSL installed for some other purpose you may use the PrepareWSL.ps1 script to perform some specific helpful tasks.

- Setting WSL to start at boot without requiring a login
- Opening ports for using WebClient

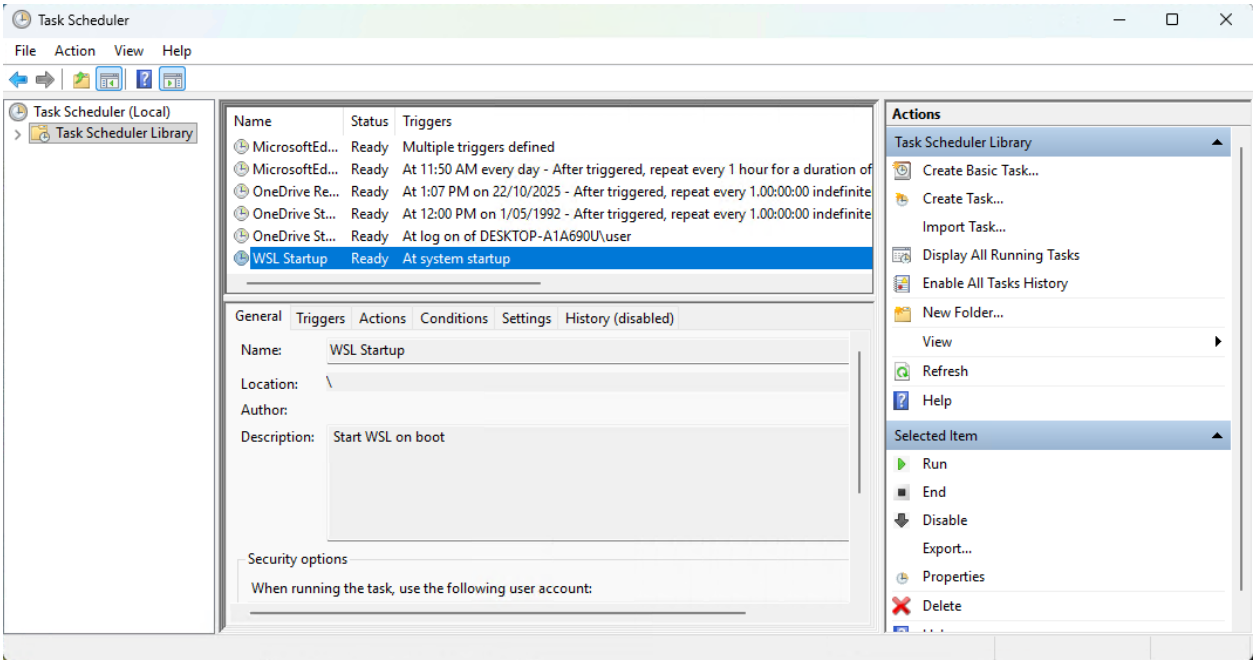
### *Setting WSL to start at boot without requiring a login*

By default WSL does not automatically start unless you log in and run something. PrepareWSL.ps1 can configure this for you.

Alternatively, another software product might manage WSL to start for you at boot time already. In this case you should skip this section.

```
>\PrepareWSL.ps1 -ConfigureStartup
Configure Startup
Configured task "WSL Startup"
```

This configures a job with Task Scheduler to start WSL on boot.  You can modify or delete this task in Task Scheduler:




## *Opening ports for using WebClient*

By default TCP ports open in WSL are not available on the host Windows machine's IP address.

PrepareWSL.ps1 can configure this for you.  You'll need to know which ports you will be using with WebClient. We're using the default ports 8000, 8080 and 3000.

```
>.\PrepareWSL.ps1 -Redirect -Port 8000,8080,3000
```

In the normal WSL networking mode of operation "NAT" we need to configure port-forwarding rules to bind the ports externally. On other network modes of operation this is not needed so you might not see this output:

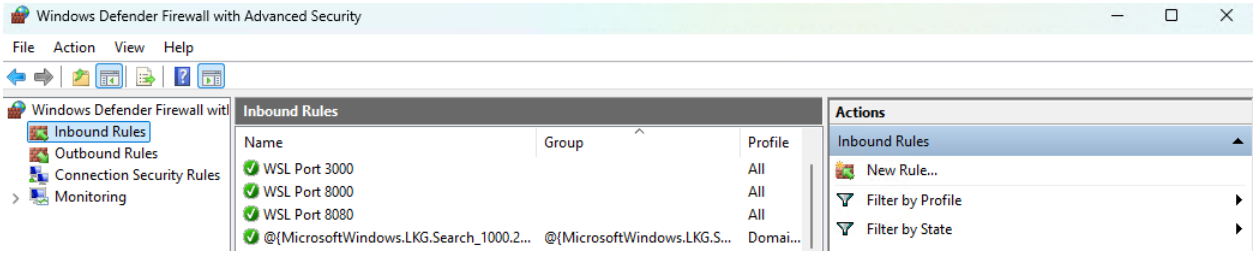
```
Listen on ipv4:             Connect to ipv4:

Address         Port        Address         Port
--------------- ----------  --------------- ----------
0.0.0.0         8000        172.28.224.38   8000
0.0.0.0         8080        172.28.224.38   8080
0.0.0.0         3000        172.28.224.38   3000
```

This indicates that the host Windows machine will connect any external IP (denoted by 0.0.0.0) to the internal WSL IP port of the same number.

Additionally, to allow remote hosts to contact the WebClient we add firewall rules to allow incoming connection on these ports. The following report is repeated for all ports specified with -Port:

```
Rule Name:                            WSL Port 8000
----------------------------------------------------------------------
Enabled:                              Yes
Direction:                            In
Profiles:                             Domain,Private,Public
Grouping:
LocalIP:                              Any
RemoteIP:                             Any
Protocol:                             TCP
LocalPort:                            8000
RemotePort:                           Any
Edge traversal:                       No
Action:                               Allow
Ok.
```

This indicates that Inbound TCP connections on LocalPort 8000 will be accepted. The `Rule Name` can be used to find and modify the rule in the Windows Firewall.




## Installing Web Client on WSL

After the script has completed you will have a working Ubuntu Linux container on your Windows desktop.

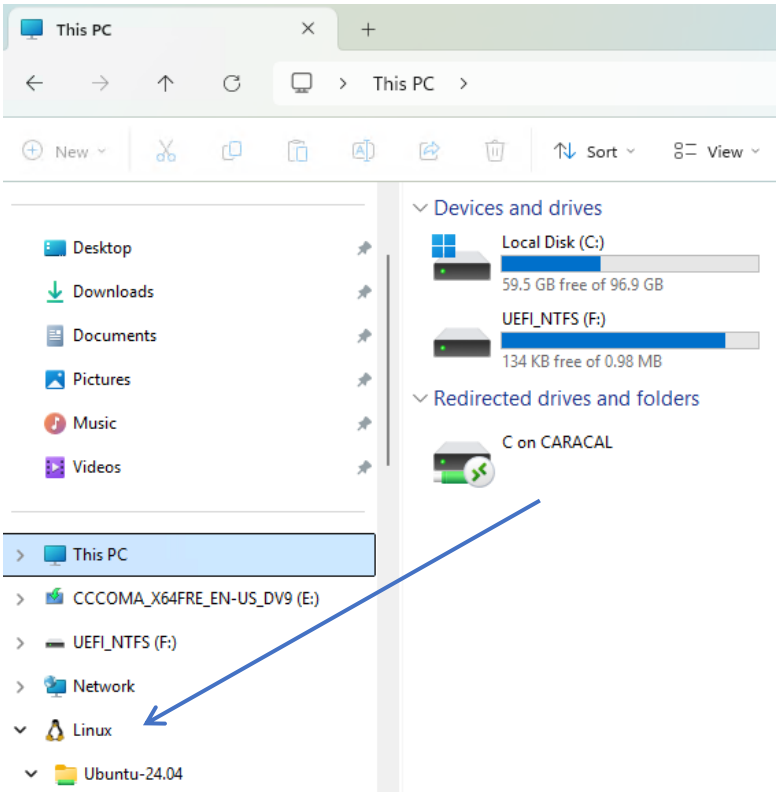
You can enter your WSL instance by simply typing wsl.

```
PS C:\Users\user\WebSettings> wsl
sentry@DESKTOP-A1A690U:/mnt/c/Users/user/WebSettings$
```

By default you will be in the same directory you ran the `wsl` command from. You can access files from your Windows disk under /mnt/c – to find a Windows directory in your Linux container you can use the wslpath tool.

```
$ wslpath "c:\ProgramData"
/mnt/c/ProgramData
```

Alternatively, you will find your WSL Linux filesystem available in explorer:




You should be able to open and modify most files normally by using explorer – or accessing the path \\wsl.localhost\Ubuntu-24.04\home\sentry. – eg for /home/sentry.

To configure and deploy the Webclient please follow the remaining steps for a native Linux installation in section Deployment of the Web Client.

You can use your windows machine to edit and unzip archives if you prefer.

### Important Note on first run

The first time you configure WSL with PrepareWSL.ps1 you will be able to configure and run using the wsl command. However, since you have not rebooted WSL will not be running in the background if you exit the wsl shell or close the window. This is normal for WSL but probably not what you want. After you have rebooted this issue will not occur again.

## Deployment of the Web Client (Windows WSL and native Ubuntu Linux)

### Install Docker Engine in Ubuntu

From a terminal inside WSL first follow and install Docker

```
$ sudo apt update
$ sudo apt install docker.io docker-compose-v2
$ sudo adduser $USER docker
```

Log out and log back in, or run:

```
$ newgrp docker
```

⚠ Sanity check: Test Docker:

```
$ docker run hello-world
```

## General steps

- Login into our Docker repository. Run and paste your provided token:

```
$ docker login docker.io -u isentryintelex

i Info → A Personal Access Token (PAT) can be used instead.
         To create a PAT, visit https://app.docker.com/settings


Password:

WARNING! Your credentials are stored unencrypted in
'/home/user/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
```

- Copy into WSL from Windows the zip containing docker files. ⚠ DO NOT UNZIP IN WINDOWS AS YOU MIGHT ENCOUNTER ENCODING ISSUES ⚠. You might need to install unzip in your WSL (`sudo apt install unzip`).
- Make your own .env file, use .env.example as a reference (You can cp .env.example into .env)
- Create a folder to store data of the web client, for example /home/user/webclient/data, and set this folder path value into FOLDER_VOLUME_DATA in `.env` file.

## Detailed steps

1. Download these images on Dockerhub or make sure they are set in .env file This step is optional given the docker engine will auto pull it if they are missing
   - REGISTRY_NGINX=nginx:latest
   - REGISTRY_LARAVEL=comintelexvision/sentry-client-api:25.3.1013
   - REGISTRY_DB=mariadb:10.11
   - REGISTRY_NODE=comintelexvision/sentry-client-node:25.3.0829
   - REGISTRY_CMS=comintelexvision/sentry-client-cms:25.3.1013
   - REGISTRY_PHPMYADMIN=phpmyadmin/phpmyadmin:5.2.0
   - REGISTRY_REDIS=redis:7.0.4
2. Copy file `.env.example` to file .env and modify .env file
   - Below is an example of an entire `.env` file.

```
REGISTRY_NGINX=nginx:latest
REGISTRY_LARAVEL=comintelexvision/sentry-client-api:25.3.1013
REGISTRY_DB=mariadb:10.11
REGISTRY_NODE=comintelexvision/sentry-client-node:25.3.0829
REGISTRY_CMS=comintelexvision/sentry-client-cms:25.3.1013
REGISTRY_PHPMYADMIN=phpmyadmin/phpmyadmin:5.2.0
REGISTRY_REDIS=redis:7.0.4

FOLDER_VOLUME_DATA=/home/user/webclient/data

DB_HOST=db-camera
DB_ROOT_PASSWORD=12345678
DB_DATABASE=db_intelexvision
DB_USERNAME=user_intelexvision
DB_PASSWORD=12345678
DB_PORT=3306

PHPMYADMIN_PORT=1000

REDIS_PASSWORD=12345678
REDIS_DB_PUSB=0
REDIS_PREFIX=laravel_database_psub:
REDIS_PORT=6379
NODE_PORT=3000

PUSH_DATA_USERNAME=ghnckmfFQgfdnjnv?pg
PUSH_DATA_PASSWORD=fd9<gbaqkrhxjhgmb04/

CMS_PORT=8080
NGINX_PORT=8000

# added 19 May 2023 to limit resources
MAX_API_CPUS=2.0 # two cores
MAX_API_MEMORY=2000M
MAX_DB_CPUS=2.0
MAX_DB_MEMORY=2000M

# 11/02/2025 node js config
# https mode HTTPS_MODE 0: OFF, 1: ON
SSL_KEY_PATH=""
SSL_CERT_PATH=""
HTTPS_MODE=0

# telegram token
TELEGRAM_API_TOKEN="8147021175:AAHRG0lK4mwbHfrEHmQMyeXOGRobeWCV6UY"
NODE_COMMAND='node index.js & node bot-telegram.js'

### example
# rabbit mq server info for keep watch
# RABBIT_MQ_HOST=192.168.30.228
# RABBIT_MQ_PORT=5672
# RABBIT_MQ_USER=user
# RABBIT_MQ_PASSWORD=password
# RABBIT_MQ_VHOST=intelex
# RABBIT_MQ_EXCHANGE=intelex_exchange
# RABBIT_MQ_QUEUE_TO_SEND=iv_keepwatch_test2_queue
# RABBIT_MQ_ROUTING_TO_SEND=iv_keepwatch_test2
# RABBIT_MQ_QUEUE_TO_RECEIVE=iv_keepwatch_test_queue
```

```
# RABBIT_MQ_ROUTING_TO_RECEIVE=iv_keepwatch_test

RABBIT_MQ_HOST=
RABBIT_MQ_PORT=5672
RABBIT_MQ_USER=
RABBIT_MQ_PASSWORD=
RABBIT_MQ_VHOST=
RABBIT_MQ_EXCHANGE=
RABBIT_MQ_QUEUE_TO_SEND=
RABBIT_MQ_ROUTING_TO_SEND=
RABBIT_MQ_QUEUE_TO_RECEIVE=
RABBIT_MQ_ROUTING_TO_RECEIVE=

QUANTITY_RECORD_AUTO_DELETE=50
DISK_SIZE_NEED_BLANK=100
MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=null
MAIL_FROM_NAME="ISentry Web Client"

## example
# MAIL_MAILER=smtp
# MAIL_HOST=smtp.gmail.com
# MAIL_PORT=587
# MAIL_USERNAME=example_user@intelexvision.com
# MAIL_PASSWORD="1234 5678 bdnk hzcy"
# MAIL_ENCRYPTION=tls
# MAIL_FROM_ADDRESS=example_user@intelexvision.com
# MAIL_FROM_NAME="ISentry Web Client"
```

3. Run script to prepare volume data directory
    - Web client require some preset folder structure in FOLDER_VOLUME_DATA set in `.env` file
    - Do it by run with a bash terminal like:

```
./docker-chmod-folder.sh
```

Verify folder structure of FOLDER_VOLUME_DATA:

```
├──────api
│     ├──────bootstrap
│     │     └──────cache
│     ├──────download
│     ├──────excel
│     ├──────group-cameras
│     ├──────images
│     │     ├──────medium
│     │     └──────small
│     ├──────pdf
│     └──────storage
│           ├──────app
│           ├──────backup
│           ├──────debugbar
│           ├──────framework
│           │     ├──────cache
│           │     ├──────laravel-excel
│           │     ├──────sessions
│           │     ├──────testing
│           │     └──────views
│           └──────logs
```

4. From terminal run:

```
./start.sh
```

The normal output is shown below:

```
user@DESKTOP-P7A2NT0:~/isentrywebclient$ ./start.sh
WARN[0000] /home/user/isentrywebclient/docker-compose-db.yml: the attribute
`version` is obsolete, it will be ignored, please remove it to avoid potential
confusion
WARN[0000] Found orphan containers ([nginx-camera laravel-camera node-camera cms-
camera redis-camera]) for this project. If you removed or renamed this service in
your compose file, you can run this command with the --remove-orphans flag to
clean it up.
[+] Running 2/2
 ✓ Container db-camera          Running                                    0.0s
 ✓ Container phpmyadmin-camera  Running                                    0.0s
HTTPS_MODE is: 1
HTTPS mode is enabled
WARN[0000] /home/user/isentrywebclient/docker-compose.https.yml: the attribute
`version` is obsolete, it will be ignored, please remove it to avoid potential
confusion
WARN[0000] Found orphan containers ([db-camera phpmyadmin-camera]) for this
project. If you removed or renamed this service in your compose file, you can run
this command with the --remove-orphans flag to clean it up.
[+] Running 5/5
 ✓ Container cms-camera      Running                                       0.0s
 ✓ Container redis-camera    Started                                       11.6s
 ✓ Container node-camera     Started                                       11.4s
 ✓ Container laravel-camera  Started                                       11.4s
 ✓ Container nginx-camera    Started
```

You can check that all the containers are up and running by entering the command:

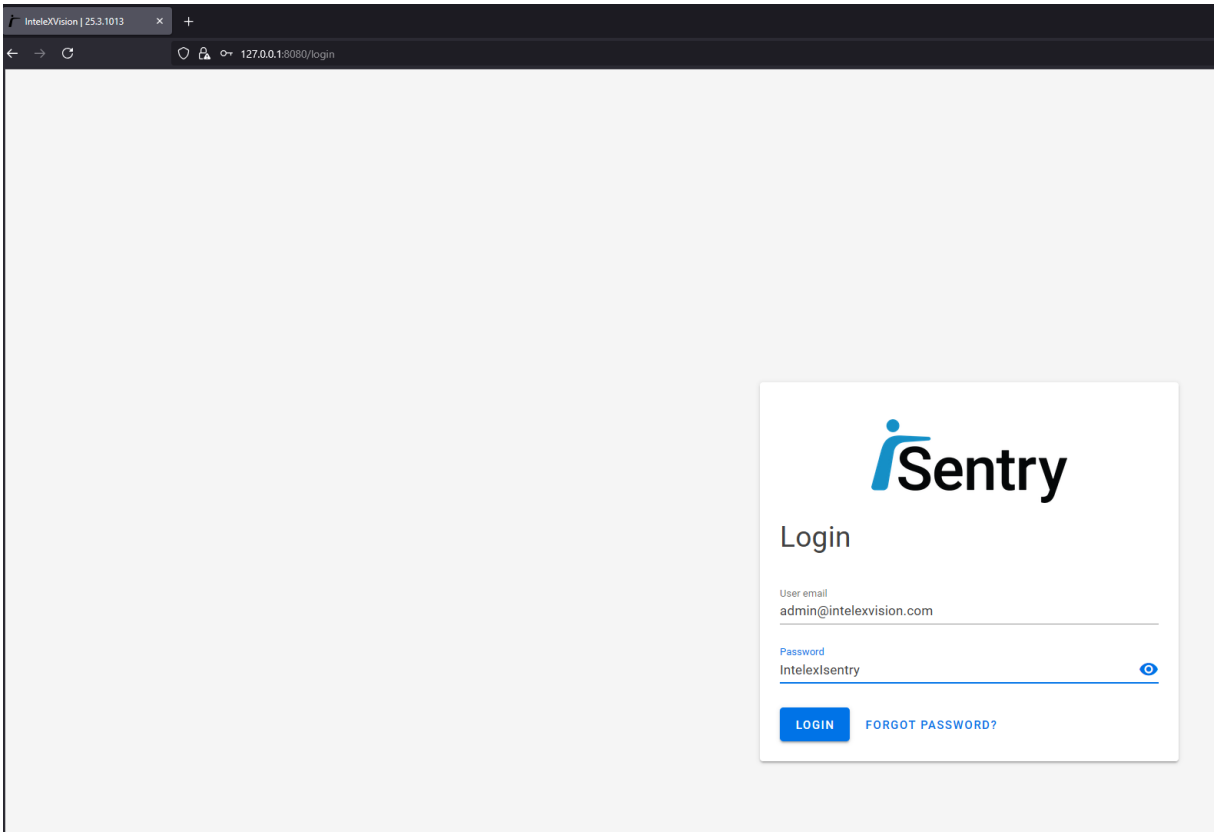
```
user@DESKTOP-P7A2NT0:/mnt/c/Users/Victor$ docker ps
CONTAINER ID   IMAGE                                                COMMAND
CREATED          STATUS          PORTS
NAMES
182e418b47dd   nginx:latest                                         "/docker-
entrypoint.…"   26 minutes ago   Up 26 minutes   80/tcp, 0.0.0.0:8000->443/tcp,
[::]:8000->443/tcp   nginx-camera
e8911d443a67   comintelexvision/sentry-client-api:25.3.1015    "docker-php-
entrypoi…"   27 minutes ago   Up 26 minutes   9000/tcp
laravel-camera
f670dbe099fd   comintelexvision/sentry-client-node:25.3.0829   "docker-
entrypoint.s…"   27 minutes ago   Up 26 minutes   0.0.0.0:3000->3000/tcp,
[::]:3000->3000/tcp         node-camera
790a7bdb946a   redis:7.0.4                                          "docker-
entrypoint.s…"   27 minutes ago   Up 26 minutes   6379/tcp
redis-camera
f3241ea03712   mariadb:10.11                                        "/bin/bash -c 'cp
/c…"   27 minutes ago   Up 27 minutes   3306/tcp
db-camera
53cbdb878f63   comintelexvision/sentry-client-cms:25.3.1013    "/docker-
entrypoint.…"   27 hours ago     Up 27 hours     80/tcp, 0.0.0.0:8080->443/tcp,
[::]:8080->443/tcp   cms-camera
b93ea548f3f2   phpmyadmin/phpmyadmin:5.2.0                      "/docker-
entrypoint.…"   27 hours ago     Up 27 hours     0.0.0.0:1000->80/tcp, [::]:1000-
>80/tcp             phpmyadmin-camera
963ebb0dd046   comintelexvision/aurora-server:2025R3            "/app/aurora --
port …"   7 days ago       Up 27 hours     0.0.0.0:8128->8128/tcp, [::]:8128-
>8128/tcp         aurora_server_speed_aurora-server-2025r3
```

### *Accesing the Web Client*

Use a web browser and type http://x.x.x.x:8080 with x.x.x.x is Sentry Client Web Server IP address. Make sure the machine running the web browser can see the Sentry Client Web Server. If web browser and Sentry Client web server are on the same machine, the address http://localhost:8080 can be used to access the Web Client

Default login credentials:

- Username: admin@intelexvision.com
- Password: *IntelexSentry*



# Deprecated

## Install Laragon 6.0.0 Full version for Windows x64

⚠ Security is compromised if you follow this procedure, do it at your own risk.

Laragon is a web server solution stack packages including:

- Php
- MySQL
- Redis
- Nodejs
- Apache
- Nginx
- Other supporting tool such as Notepad++, cmder, git, e.t.c

Laragon can be downloaded from website https://laragon.org/download/

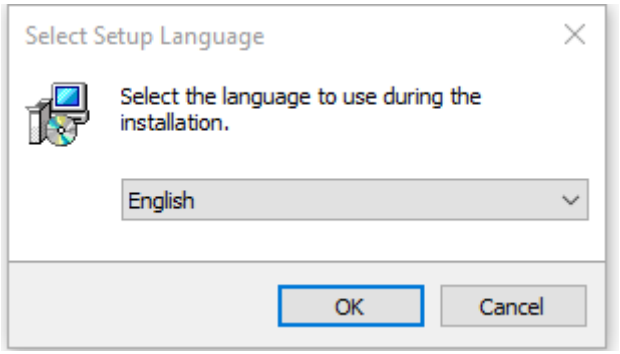
## Pre-requisites

- Windows 10 or later, Windows Server 2019 or later.
- Laragon web server solution stack that includes
  - PHP 8.x
  - MySQL 8.x
  - Redis Server
  - Nodejs
  - Apache
- IMPORTANT: it is recommended to install Laragon and Sentry Web Client on a different physical drive from the system drive because of high disk usage of database and file storage.
- IMPORTANT notes will be highlighted in RED or YELLOW

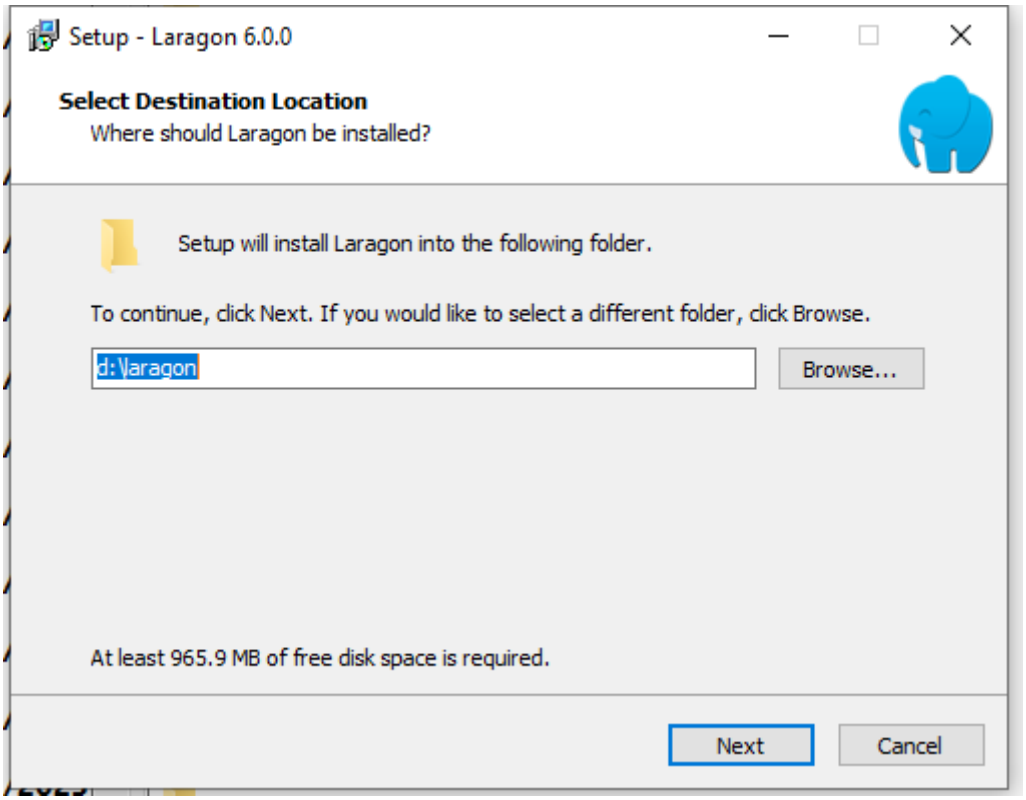
## Steps to install

Double click the downloaded file *laragon-wamp.exe*

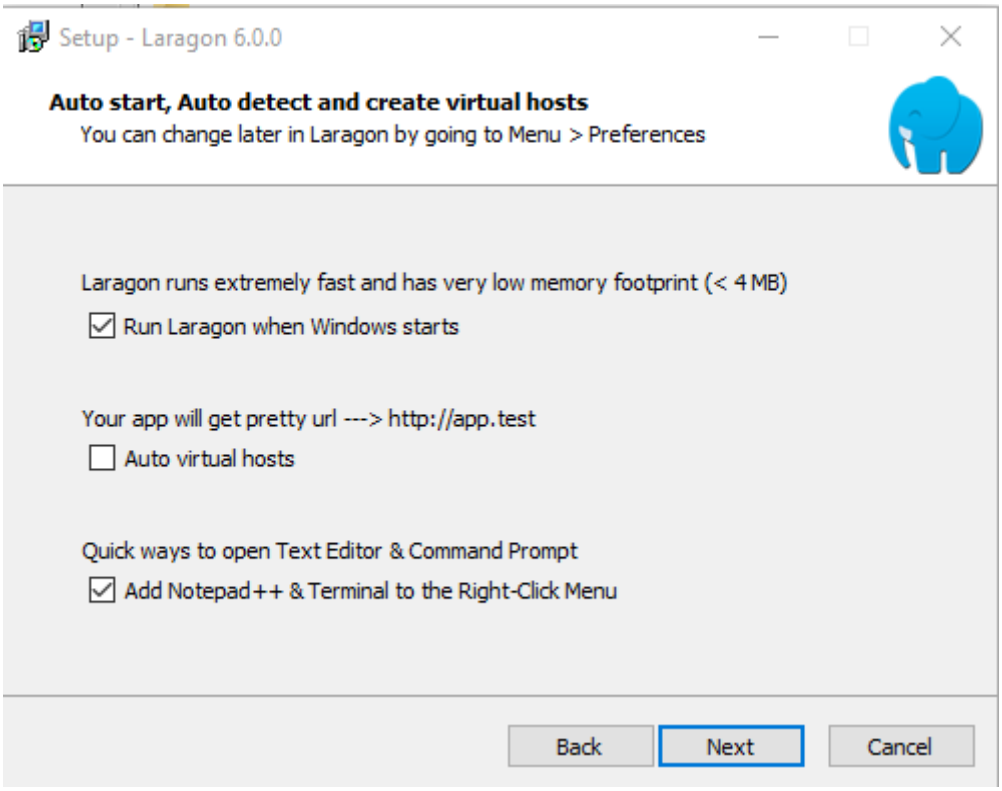

Select Language



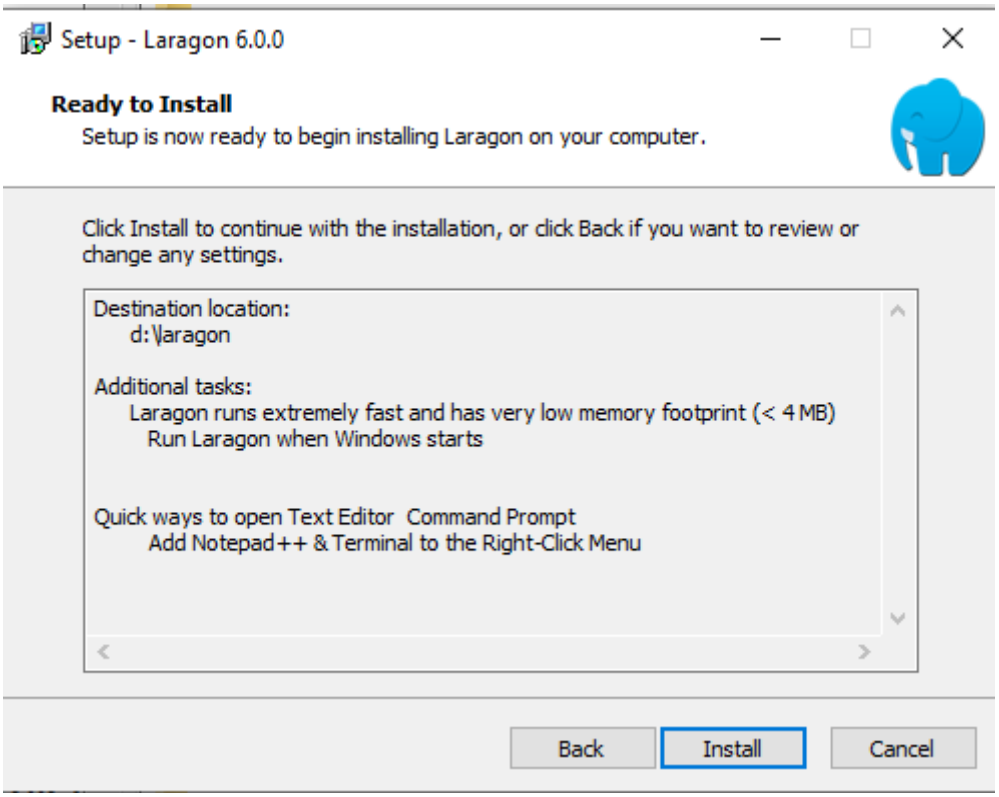

Select installation location. Note: it is recommended to put Laragon in a different drive from the system drive so the high disk rate access of MySQL server will not affect Operating System performance. Then choose Next



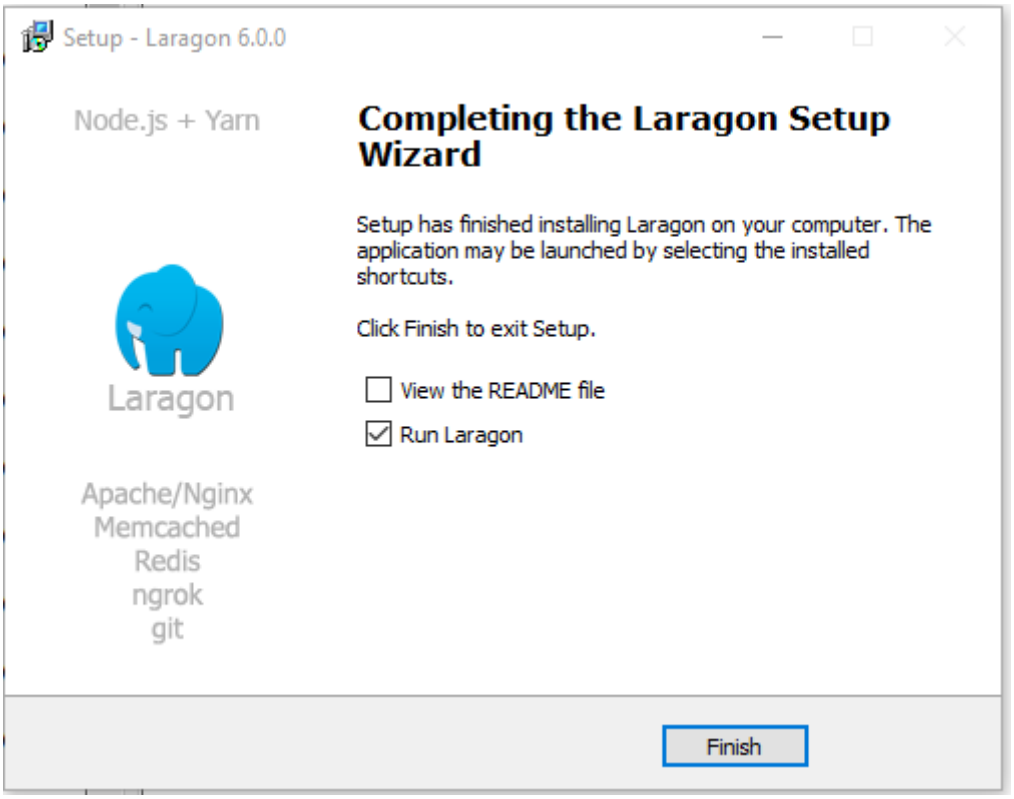

- Tick to following options
  - Run Laragon when Windows starts
  - Add Notepad++ & Terminal to the Right-Click Menu (Optional)



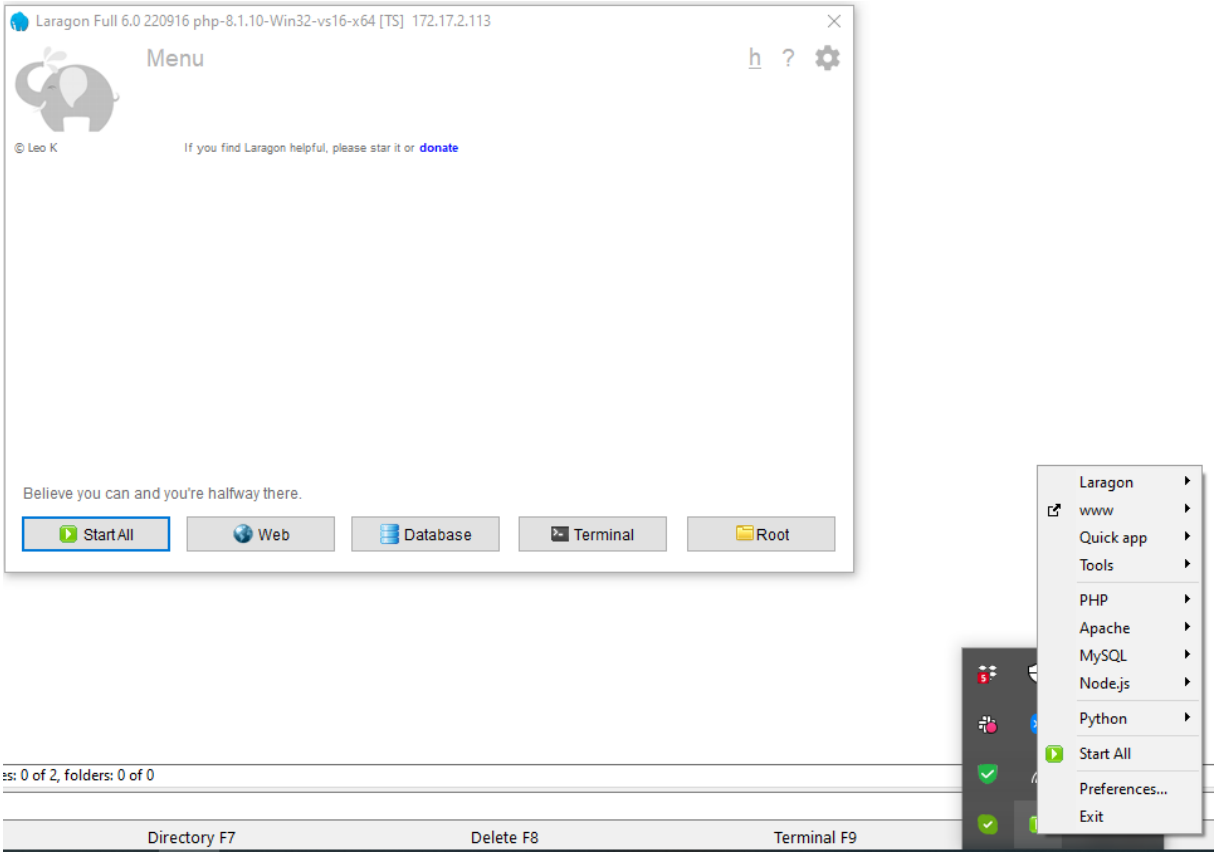

- Next, click Install and wait until the Setup completes.




Click Finish when the setup is completed

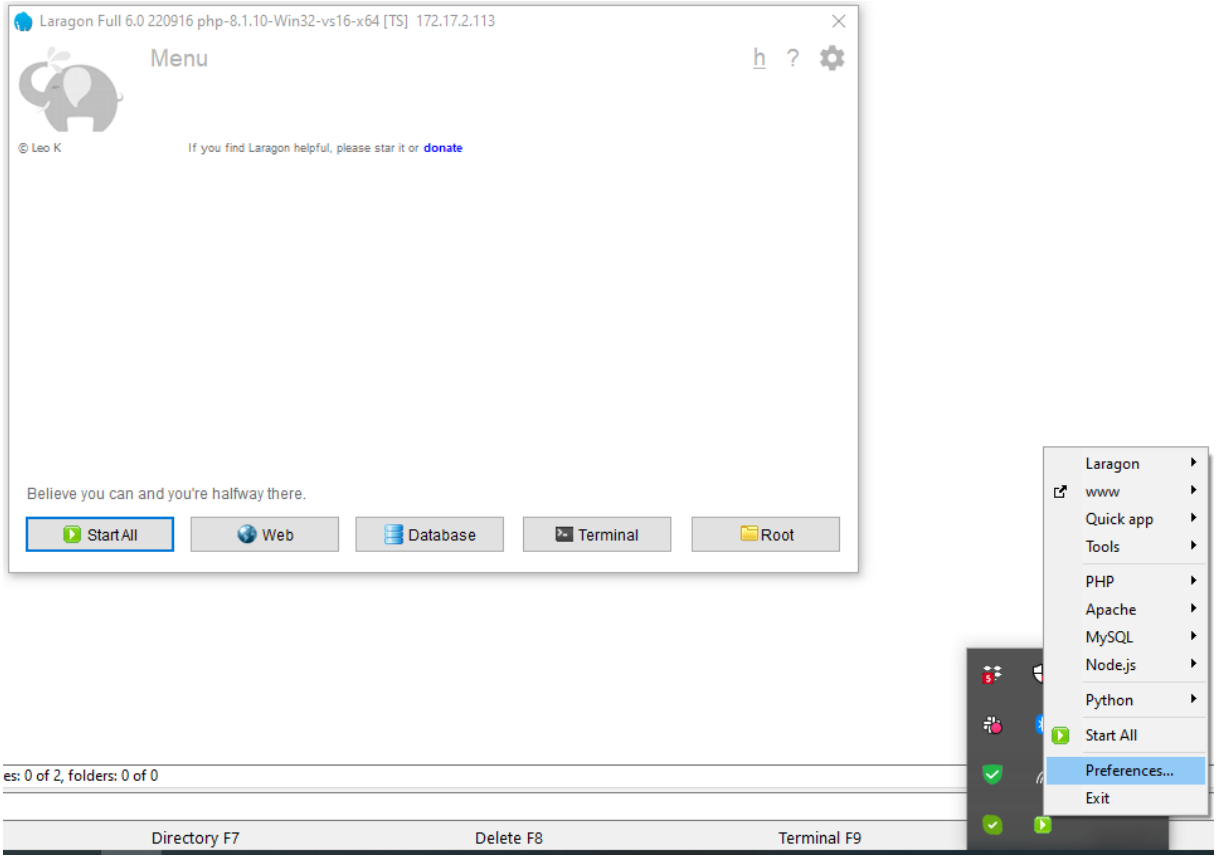



After the above step, the Laragon UI Control Windows should appear and the Laragon icon should appear in the taskbar

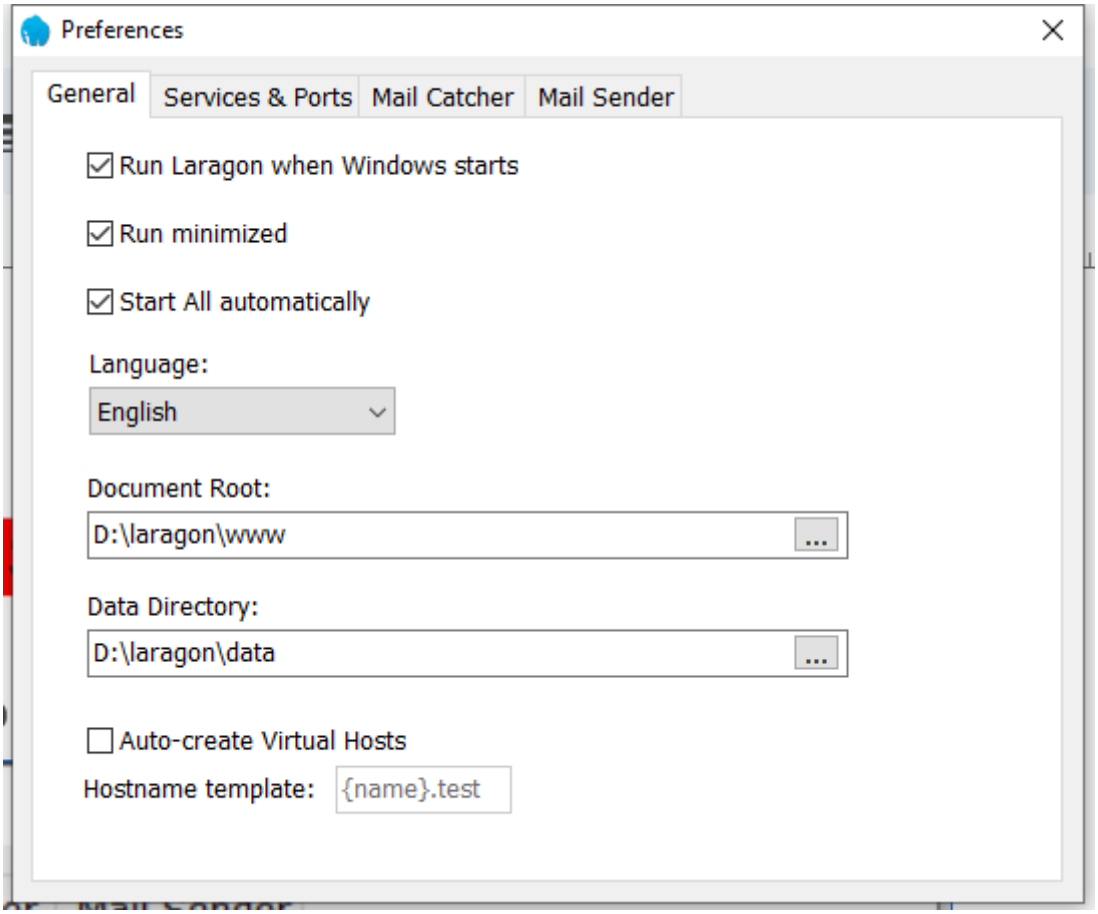

Laragon Full 6.0 220916 php-8.1.10-Win32-vs16-x64 [TS] 172.17.2.113
Menu
© Leo K
If you find Laragon helpful, please star it or donate
Believe you can and you're halfway there.
Start All
Web
Database
Terminal
Root
Laragon
www
Quick app
Tools
PHP
Apache
MySQL
Node.js
Python
Start All
Preferences...
Exit
s: 0 of 2, folders: 0 of 0
Directory F7
Delete F8
Terminal F9

## IMPORTANT - Web Services Configuration

Right click the Laragon icon  in the task bar and choose *Preferences…*



In general tab, tick options as shown in figure below




Services & Ports

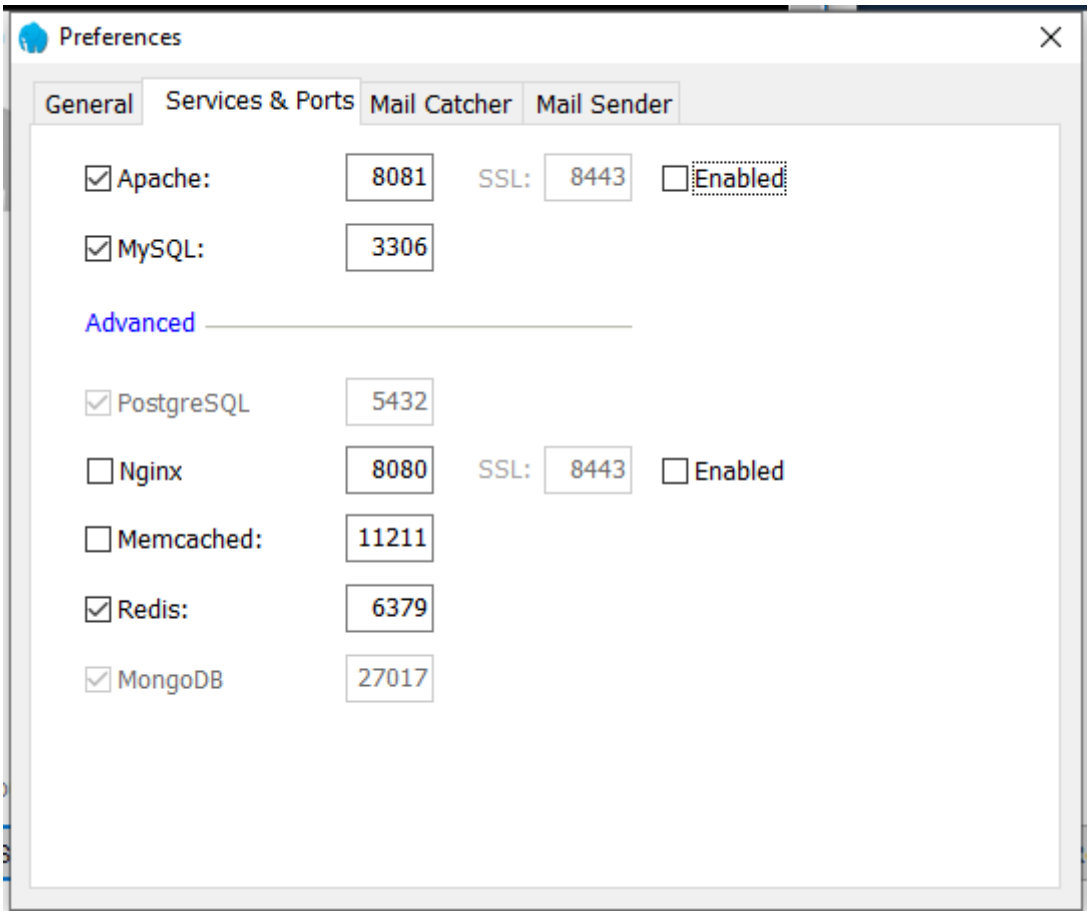
Sentry Web Client Default Ports list:

From version 2.0.1, these ports below are configurable via Sentry web client configure UI for clashed port cases

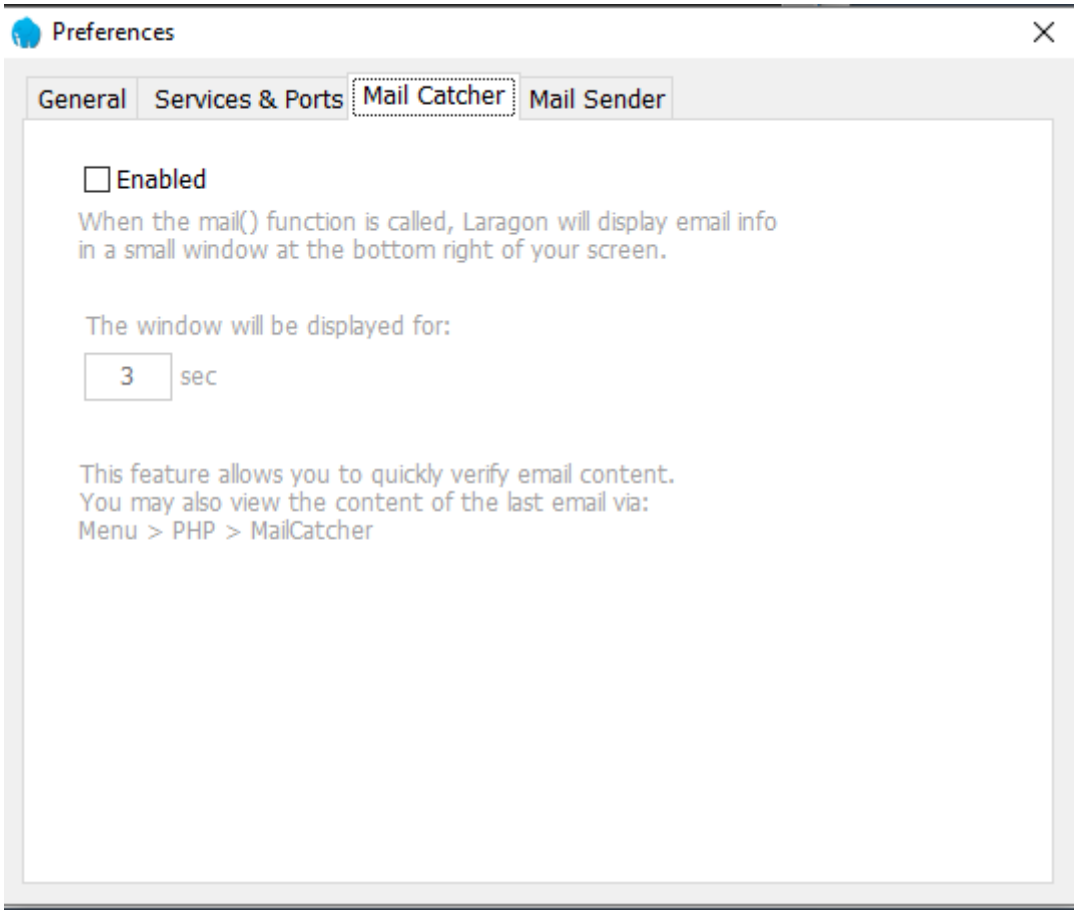
| Port number | Purposes |
|---|---|
| 8000 | Web API server |
| 3000 | Web socket server |
| 3306 | MySQL server |
| 6379 | Redis server |
| 8080 | Default Web Front End server. |

Enable required services for Sentry Web client

In the services and ports tab, select Apache, MySQL and Redis. Note: default Apache web server will take port 80 and it is common that the port 80 and port 443 have been taken by some other application. If that is the case, please change the port 80 and 443 to some other port so Apache service can be started later.

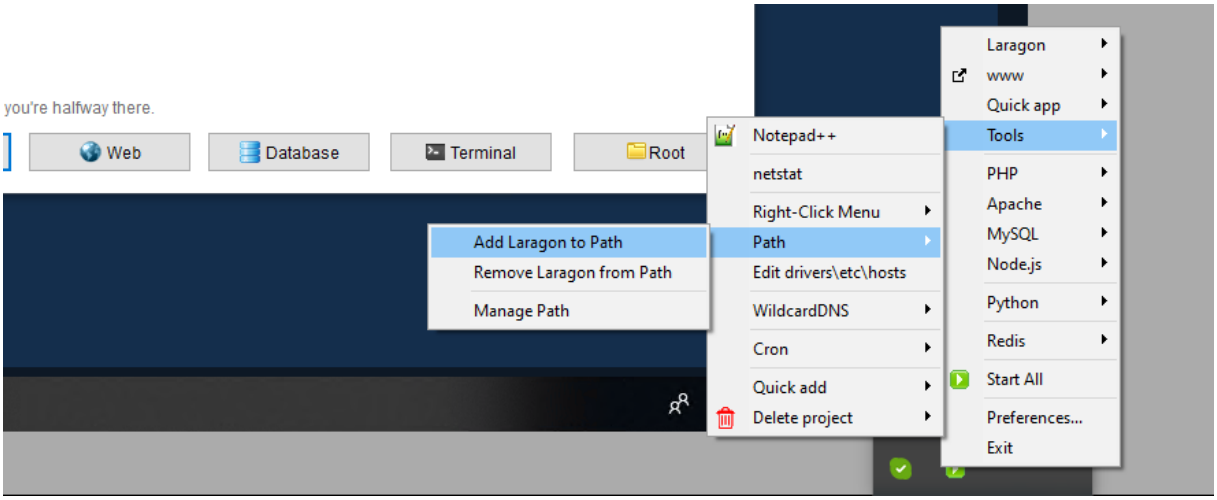


Turn off Mail Catcher service in the Mail Catcher tab.




## (IMPORTANT) Set Laragon to Windows ENV PATH variable.

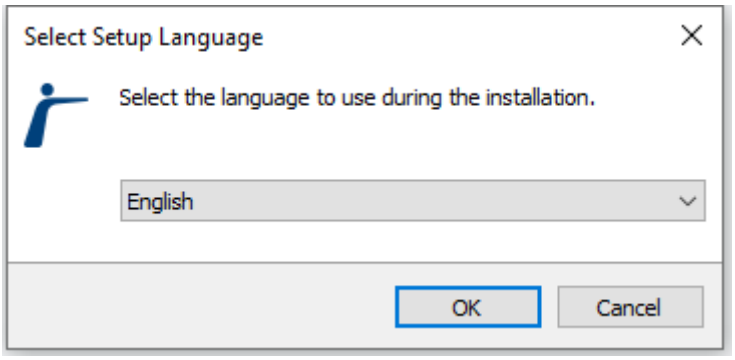
Very important step, missing this step will cause the web client unable to run.

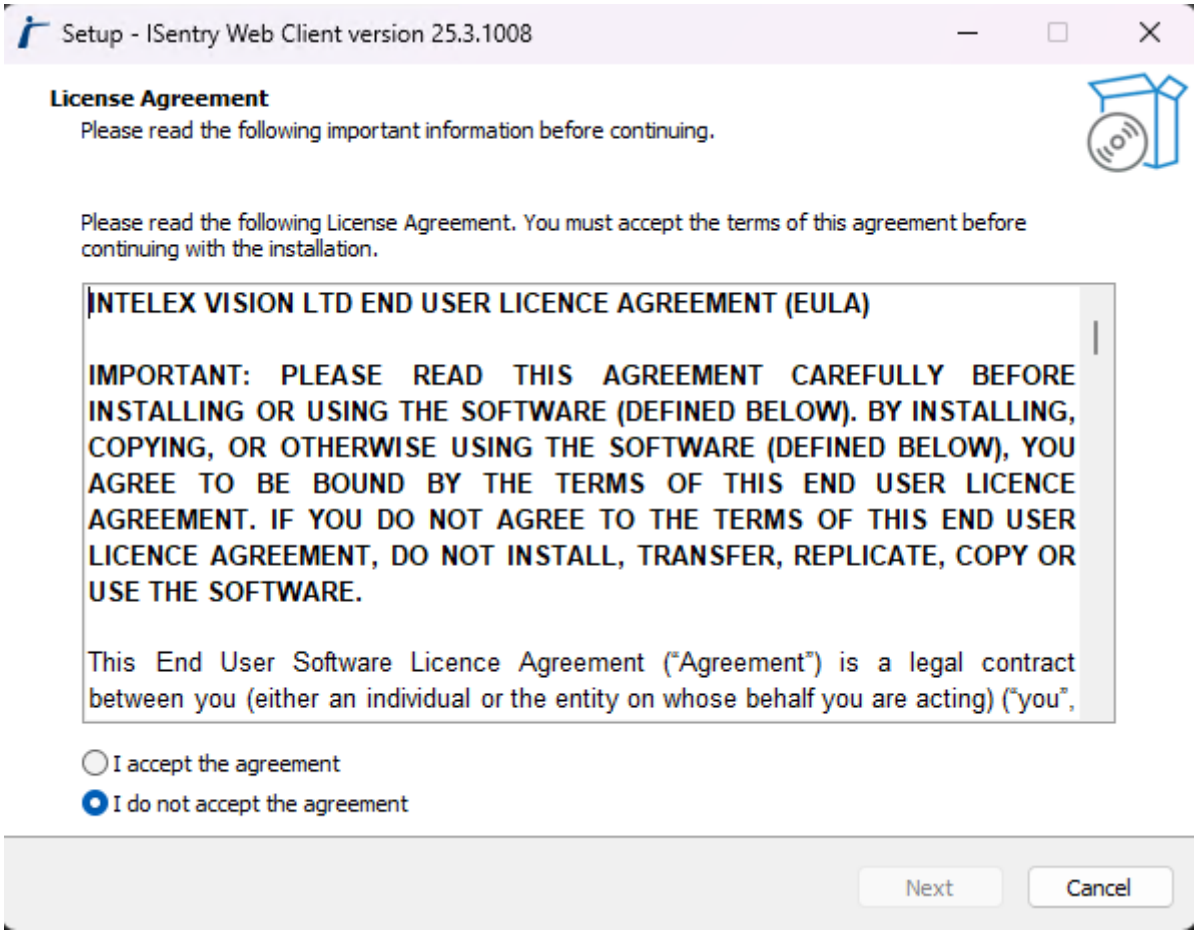


## Install Sentry Web Client

Click on the installer provided.

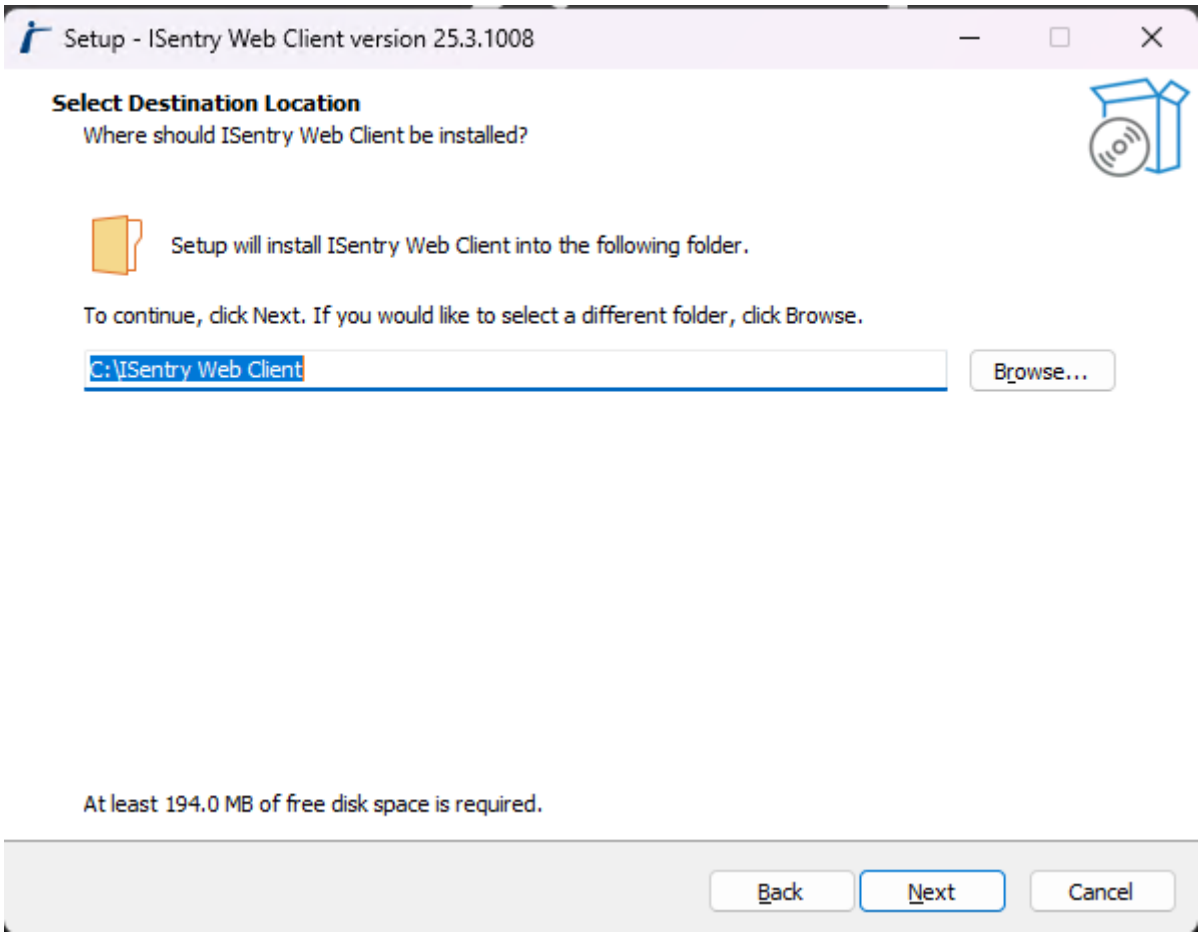

*Select Language then accept the EULA*



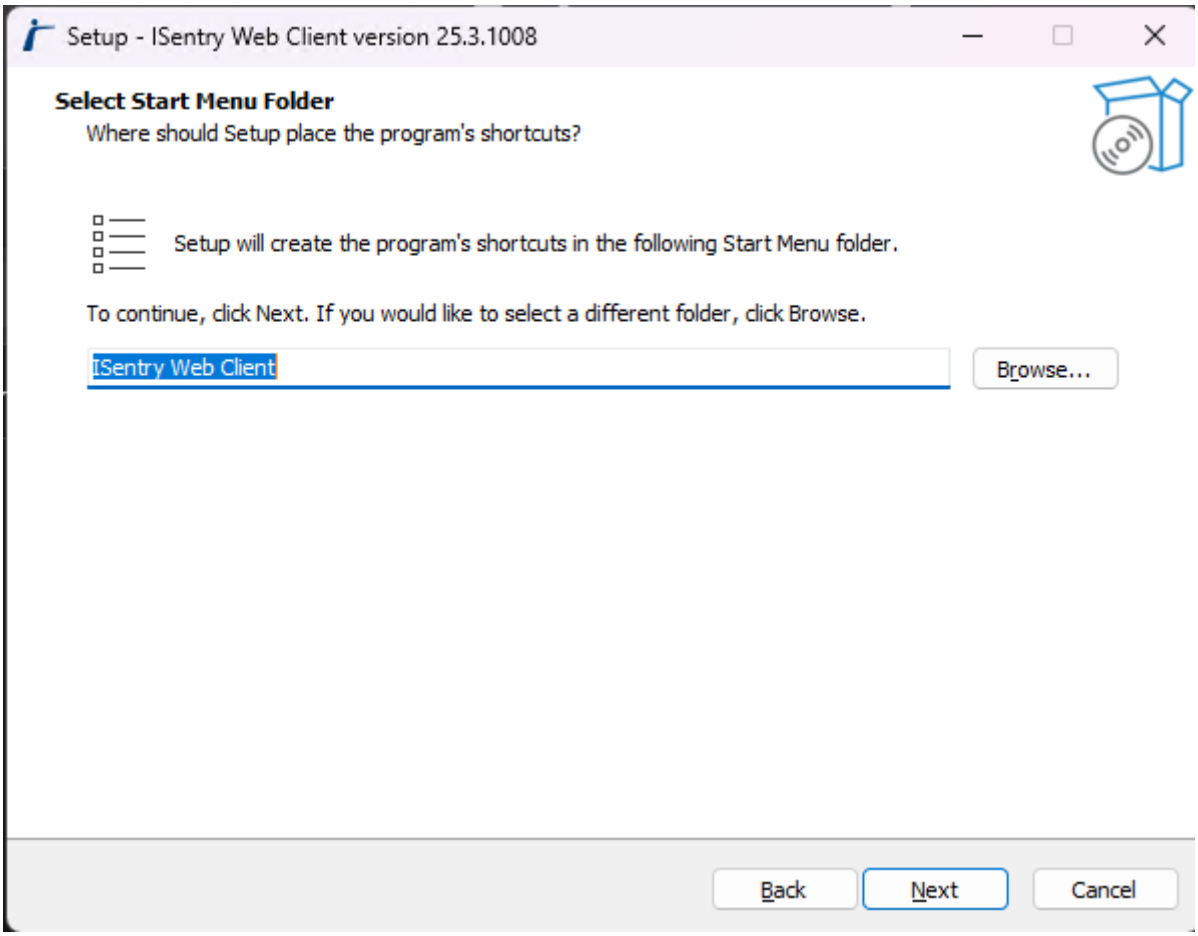




*(IMPORTANT) Select installation location*

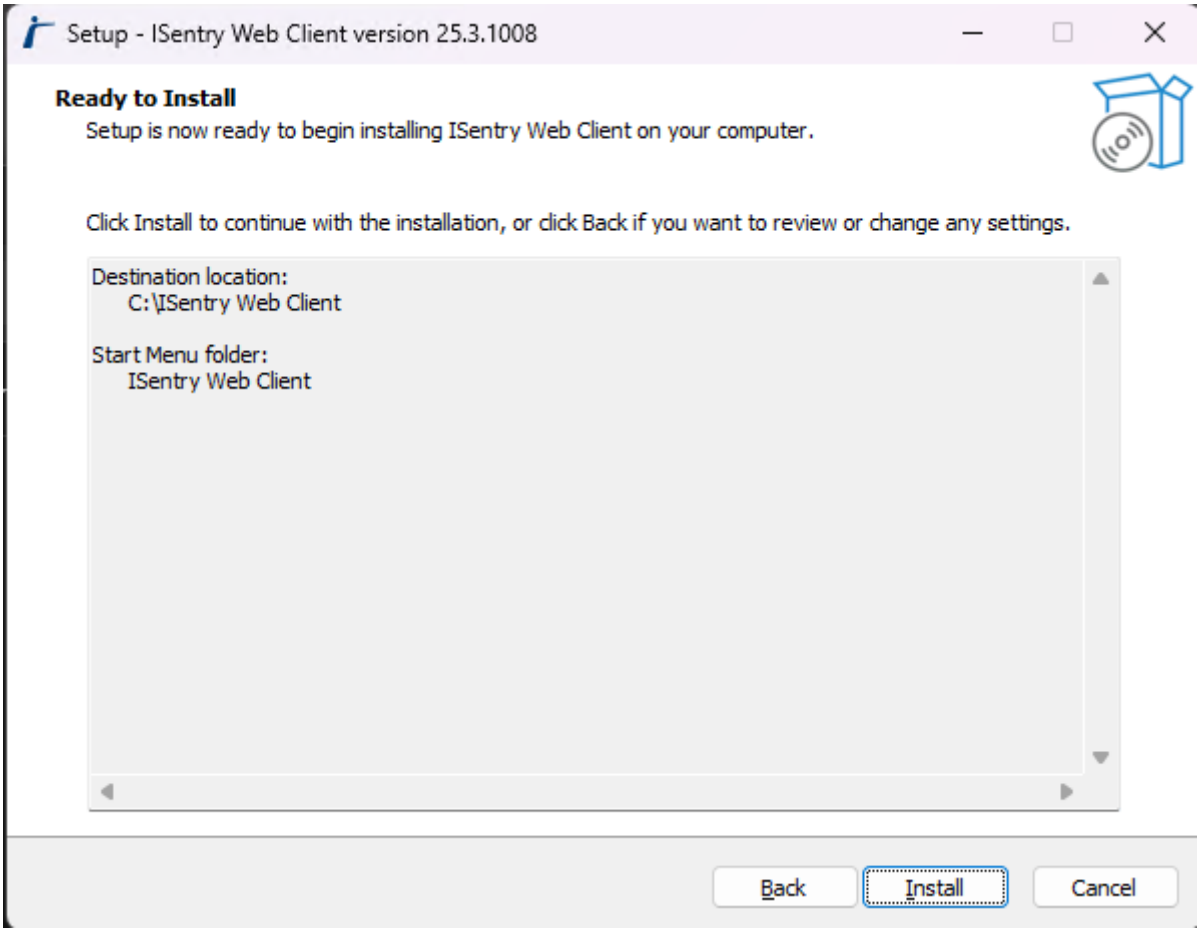
This step is important because the location of the Sentry web client is also the place to store alert images, videos and reports. Hence it is recommended to install Sentry Web Client on the different physical disk from the OS system drive (C:drive). Default value is C:\SentryWeb Client




*After the above step, keep clicking the next button until the installation completes WITHOUT changing anything*

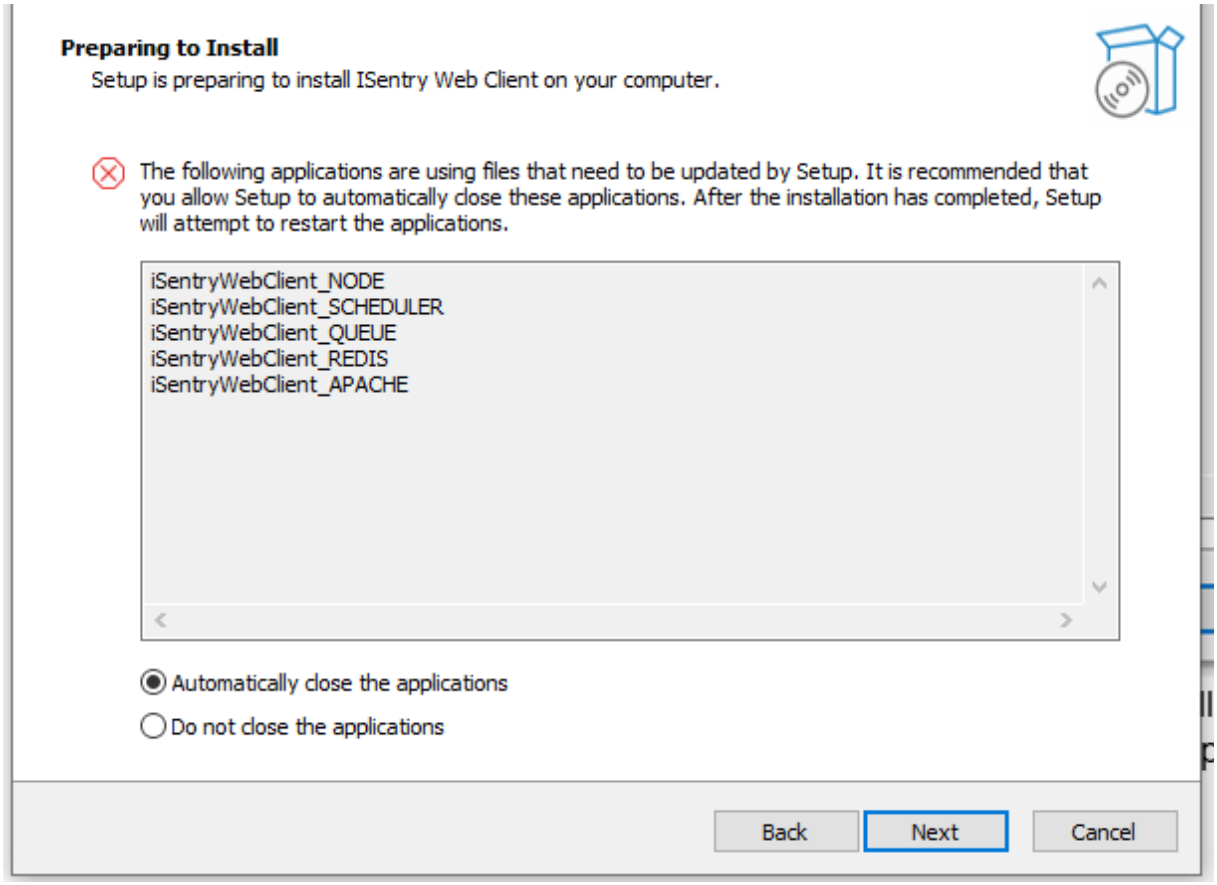

Setup - ISentry Web Client version 25.3.1008
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
ISentry Web Client
Browse...
Back
Next
Cancel

*Review destination location and install*

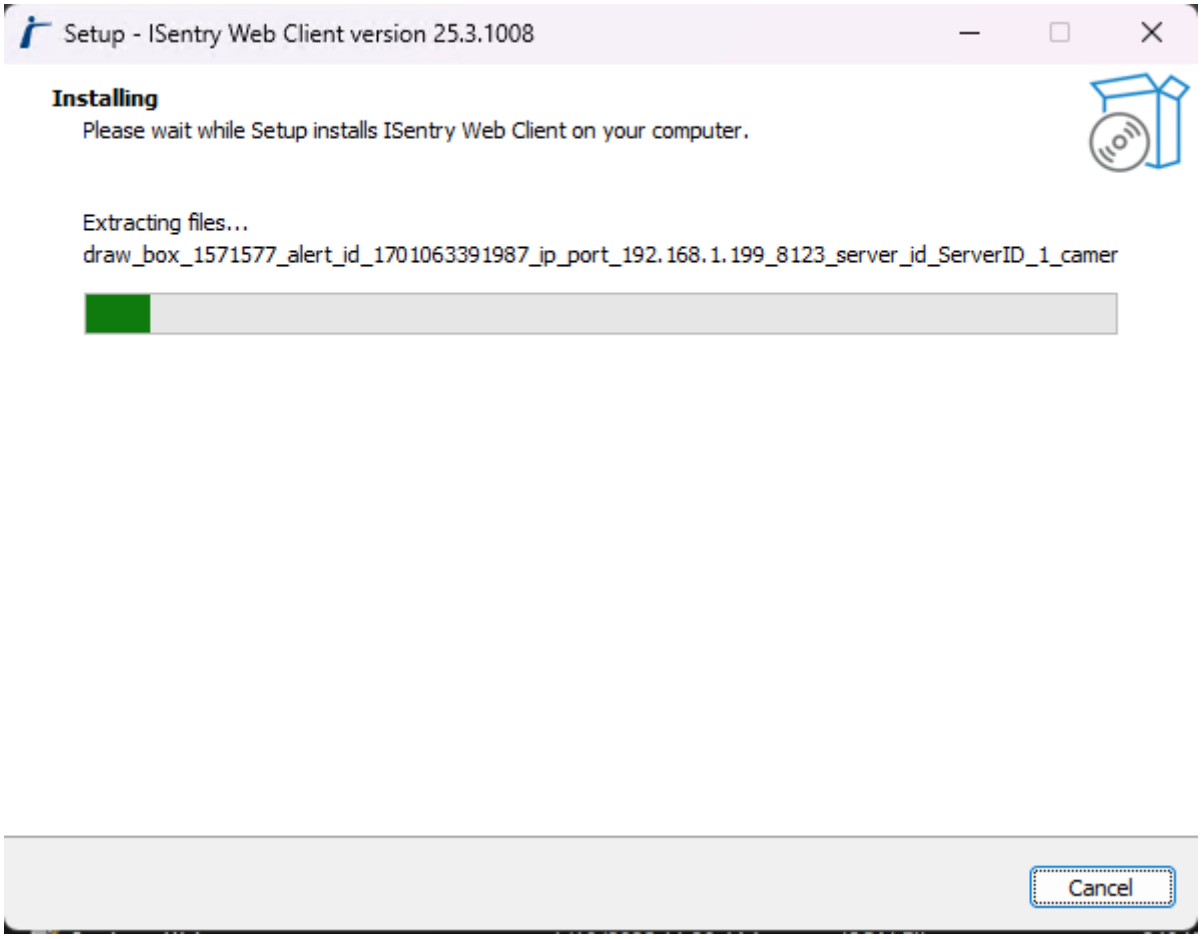


*Close running services of old web client*

Note: If this is an upgrade instead of a fresh installation, a pop-up window will appear to confirm to close the current running web client services. Please accept the default option (*Automatically close the application)* and hit next.



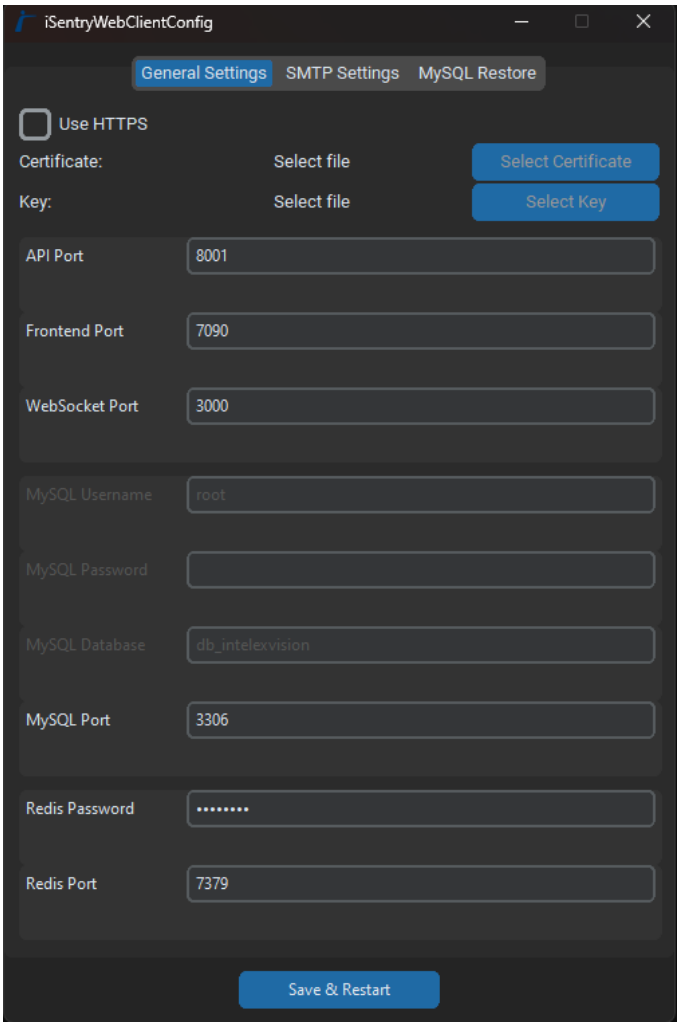
*Be patient and wait while setup installs files*



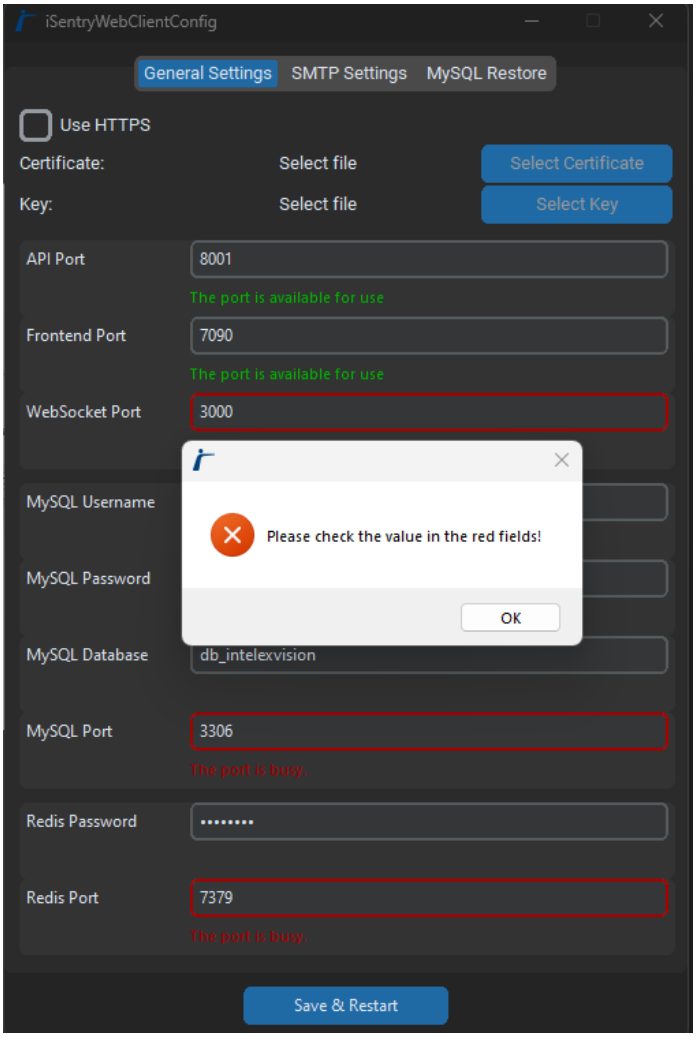
*Port configuration (From version 2.0.1)*

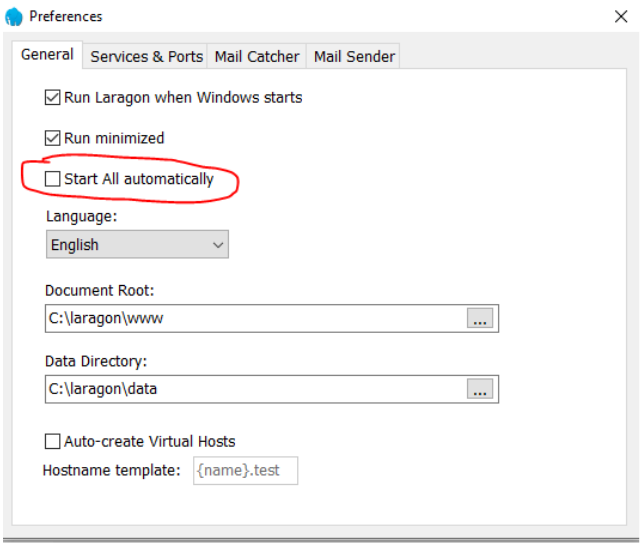
Important Note:

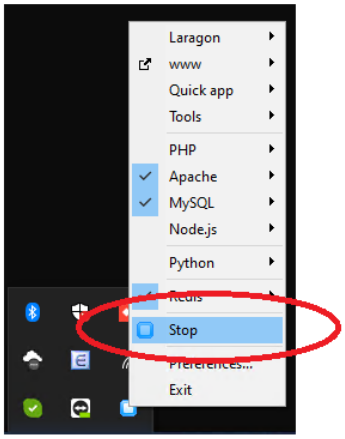
- It is highly recommended to keep these ports at default if they do not clashes any port in the system. Only changing when needed
- Require to Stop all services in laragon, the port configuration tool will handle the services automatically.

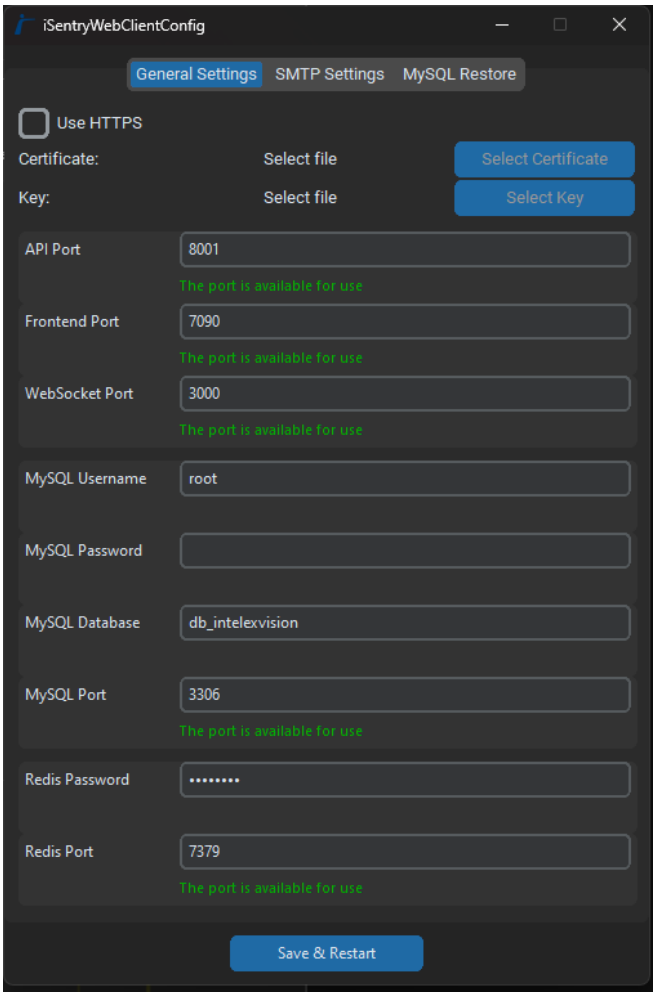


Warning: if there are error on port clash message, please close all service from laragon and try again

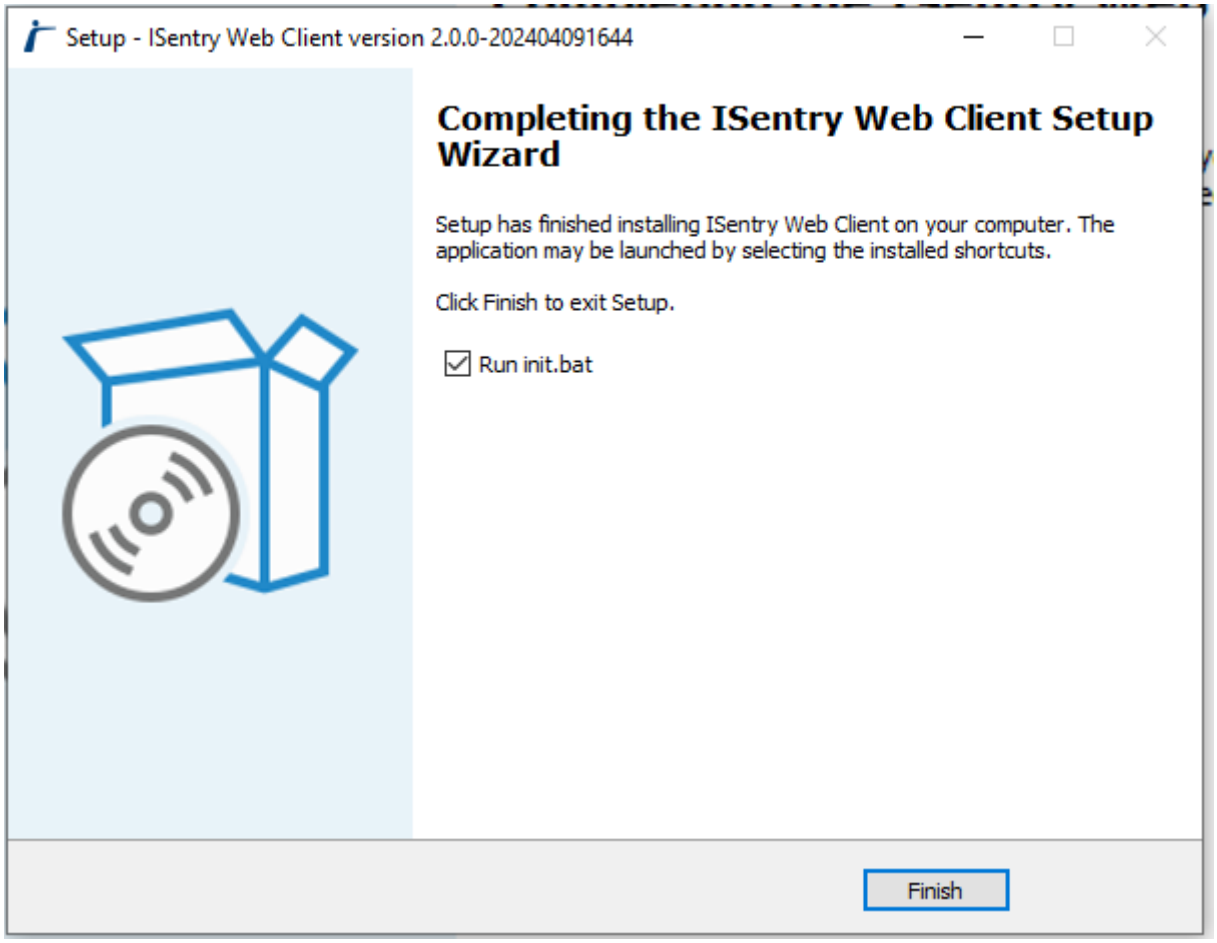



iSentryWebClientConfig
General Settings
SMTP Settings
MySQL Restore
Use HTTPS
Certificate:
Select file
Select Certificate
Key:
Select file
Select Key
API Port
8001
The port is available for use
Frontend Port
7090
The port is available for use
WebSocket Port
3000
The port is available for use
MySQL Username
root
MySQL Password
MySQL Database
db_intelexvision
MySQL Port
3306
The port is available for use
Redis Password
Redis Port
7379
The port is available for use
Save & Restart

*Finish setup*




*Email Configuration (Available from version 2.1)*

From version 2.0, Sentry Web Client offer email feature to send Alert to a specific email address.

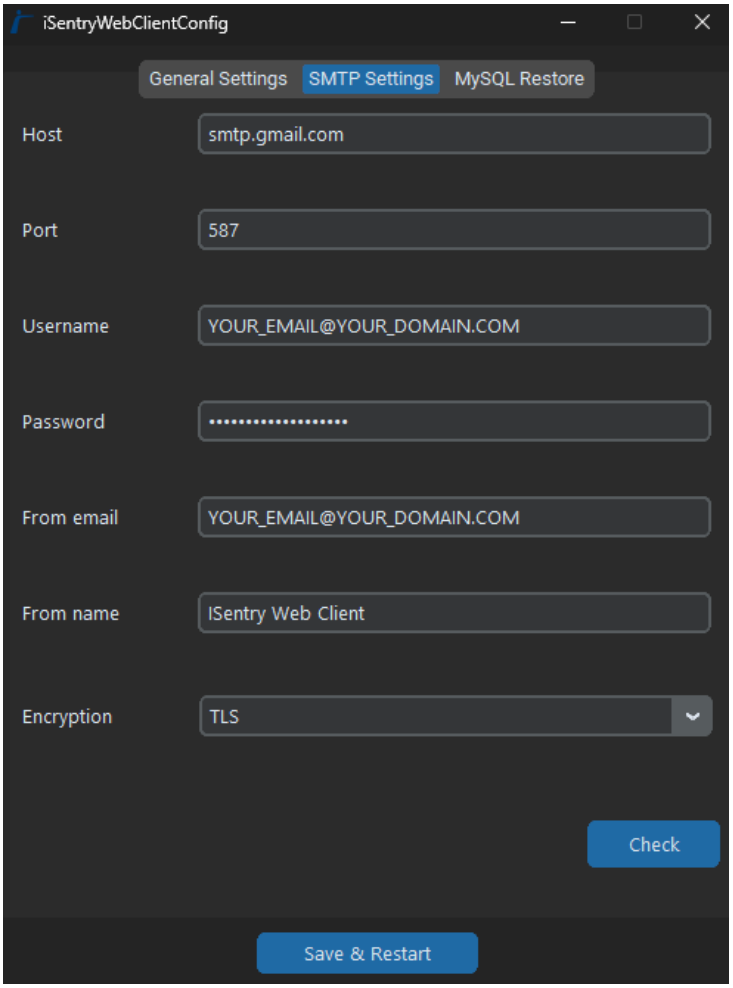
Prerequisites

To activate this service, there are some requirements:

- Internet access for Web client backend server.
- An existing email account with smtp server such as Gmail, Outlook to act as a sender from Web Client.

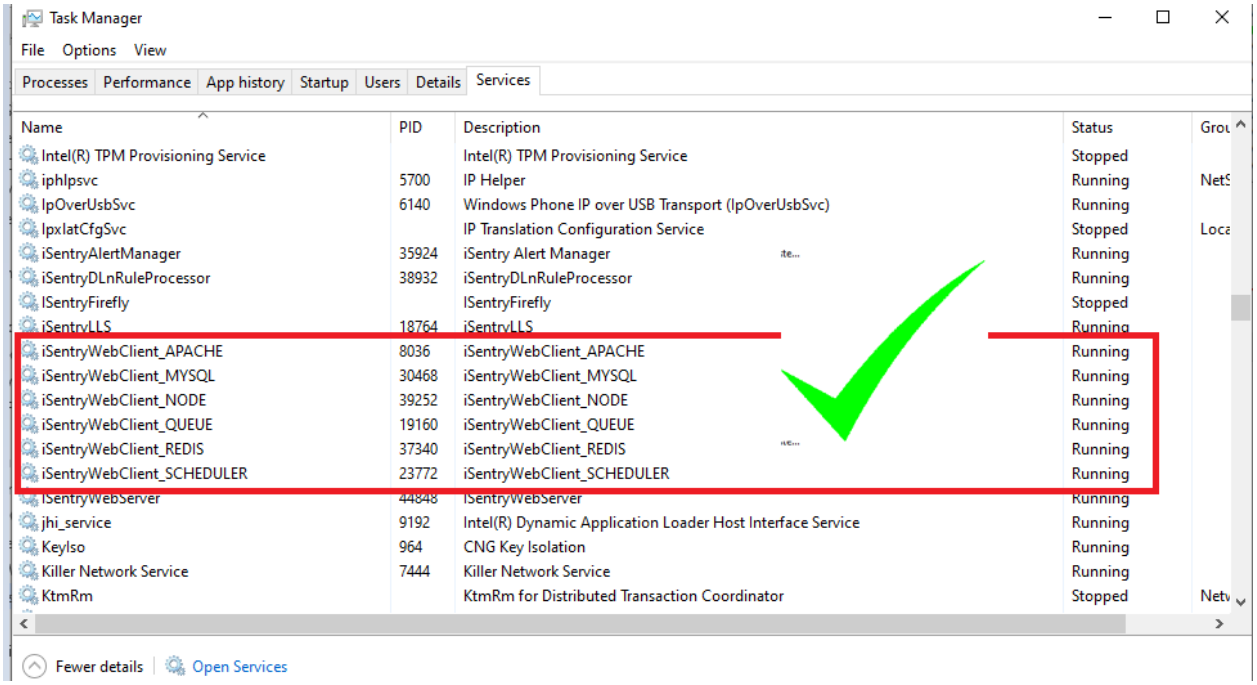
SentryWebClientConfig

- From start menu, search for *SentryWebClientConfig* app to pop up the port configuration.
- Select the "SMTP Settings" option and change the connection parameters. After that, click on the "Check" button to verify the parameters. Finally, click "Save and Restart".

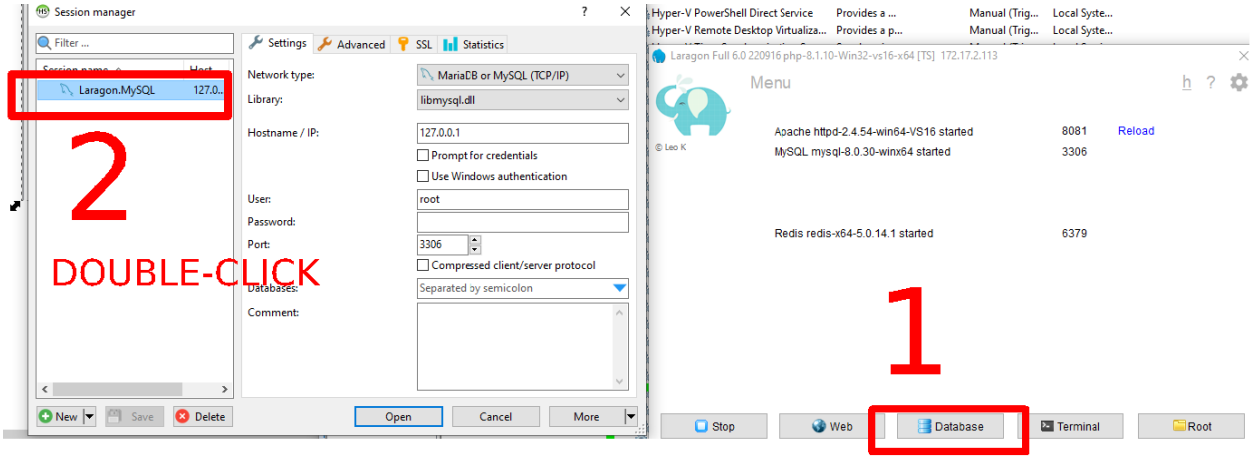

iSentryWebClientConfig
General Settings
SMTP Settings
MySQL Restore
Host
smtp.gmail.com
Port
587
Username
YOUR_EMAIL@YOUR_DOMAIN.COM
Password
From email
YOUR_EMAIL@YOUR_DOMAIN.COM
From name
ISentry Web Client
Encryption
TLS
Check
Save & Restart

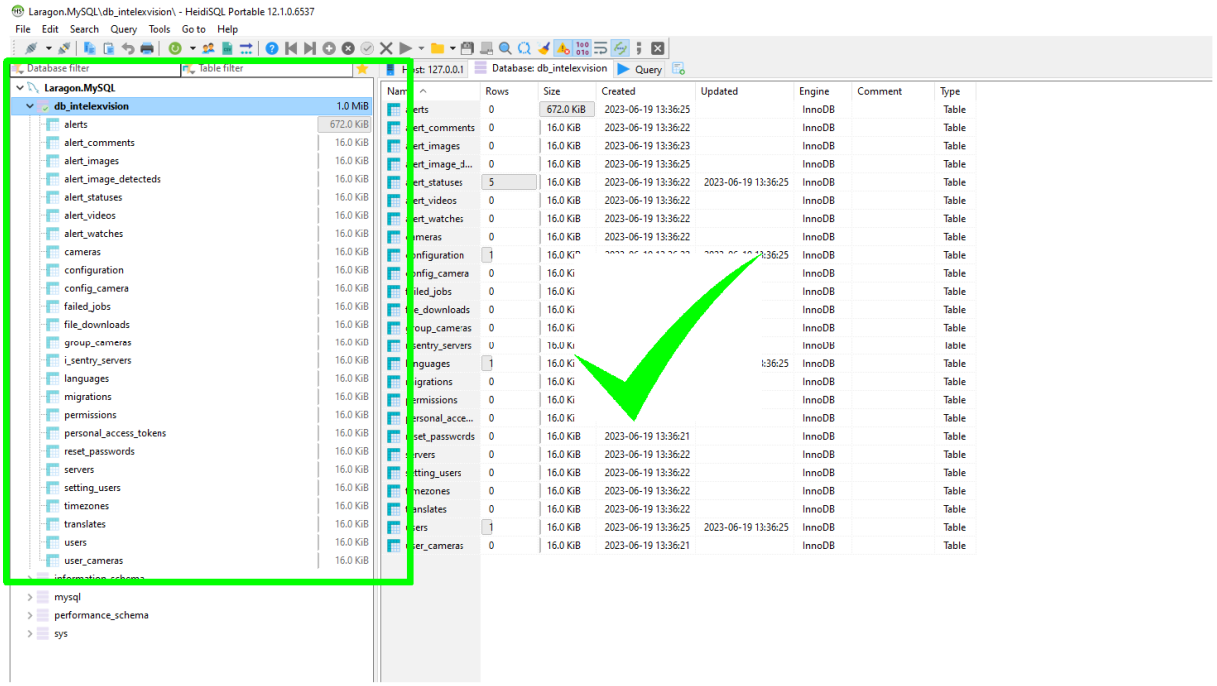
*(IMPORTANT) Check running services*

Check Apache, MySQL, Redis, Node, Queue and Scheduler services



## Check database db_intelexvision

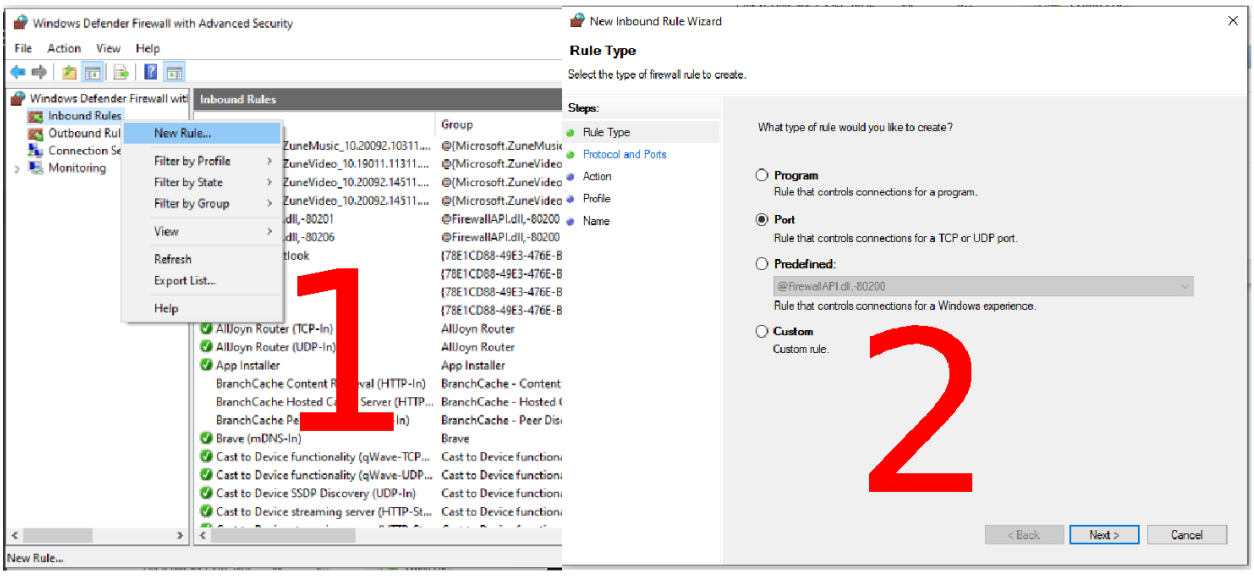


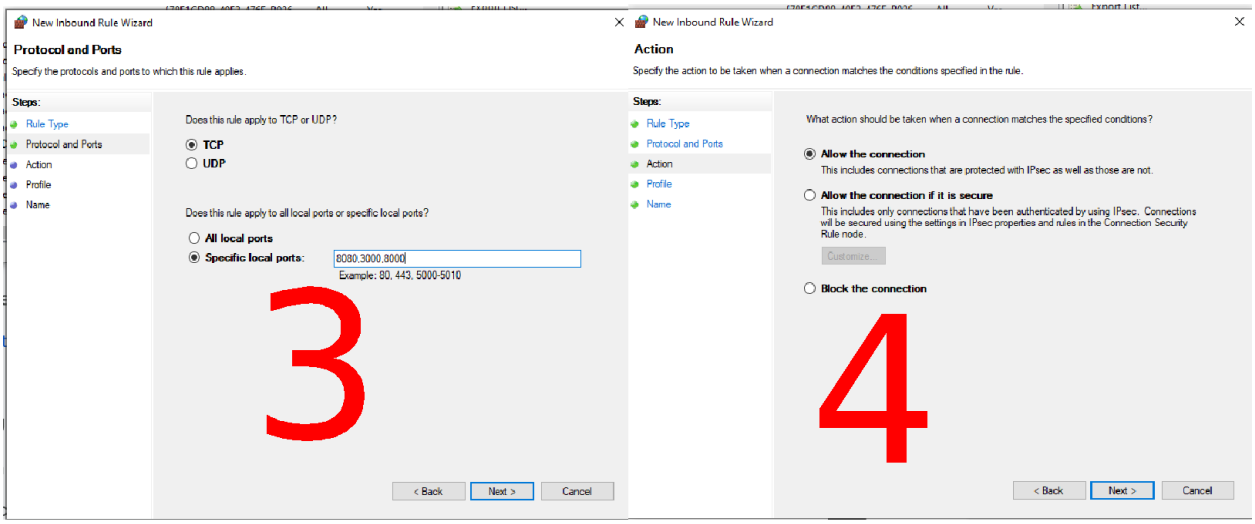
## Run Sentry Web Client (Deprecated)

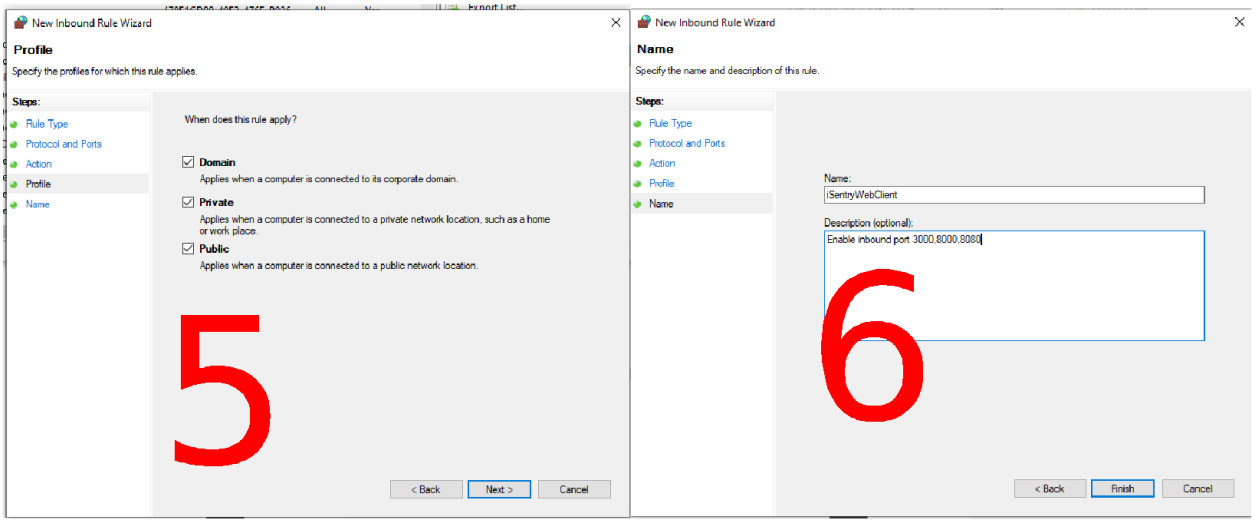
### *IMPORTANT Checklist*

Make sure Firewall configuration on the Sentry Client Web Server is allowed inbound port for Web Frontend, Web Socket and Web API (The default ports are 8080, 3000 and 8000 respectively).



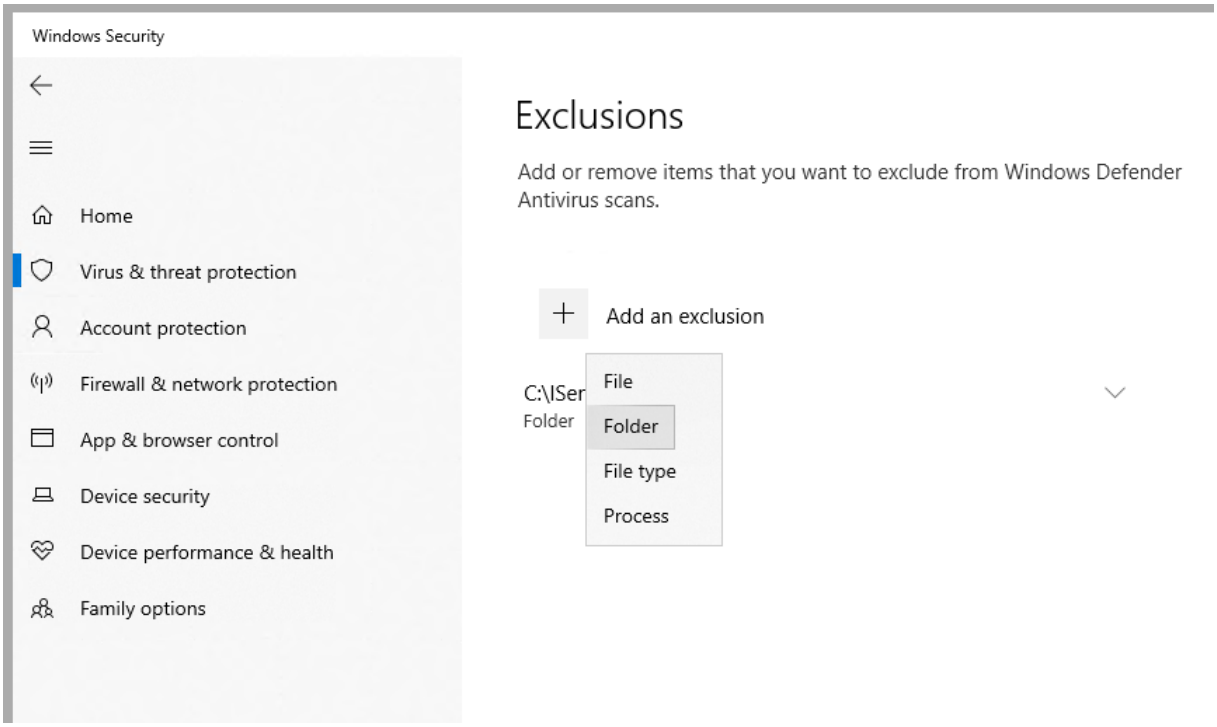
-




- Exclude Sentry web client installation folder from Windows Security. Go to Windows Securitys → Virus & thread protection settings → Exclusions → Add

or remove exclusion → Add an exclusion→ Select Folder then navigate to Sentry Web client Installation folder

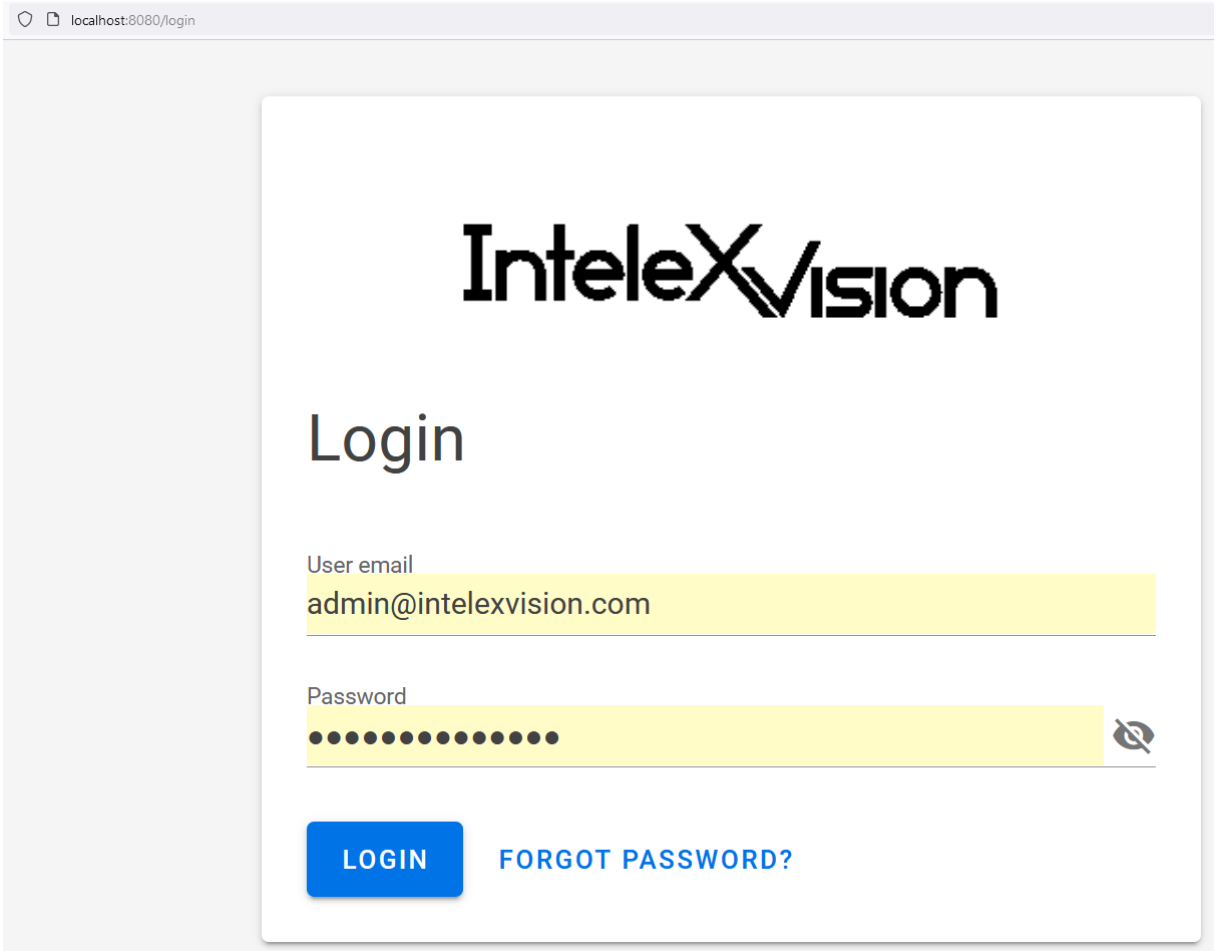



### *Access web client*

Use a web browser and type http://x.x.x.x:8080 with x.x.x.x is Sentry Client Web Server IP address. Make sure the machine running the web browser can see the Sentry Client Web Server. If web browser and Sentry Client web server are on the same machine, the address http://localhost:8080 can be used to access the Web Client

Default login credentials:

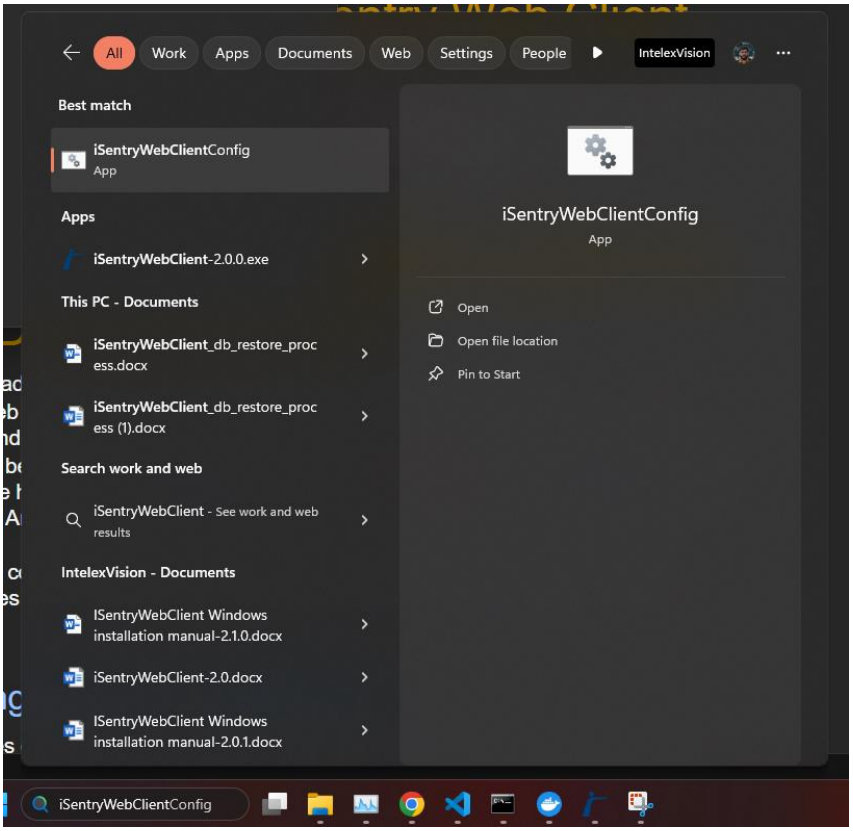
- Username: admin@intelexvision.com
- Password: *IntelexSentry*



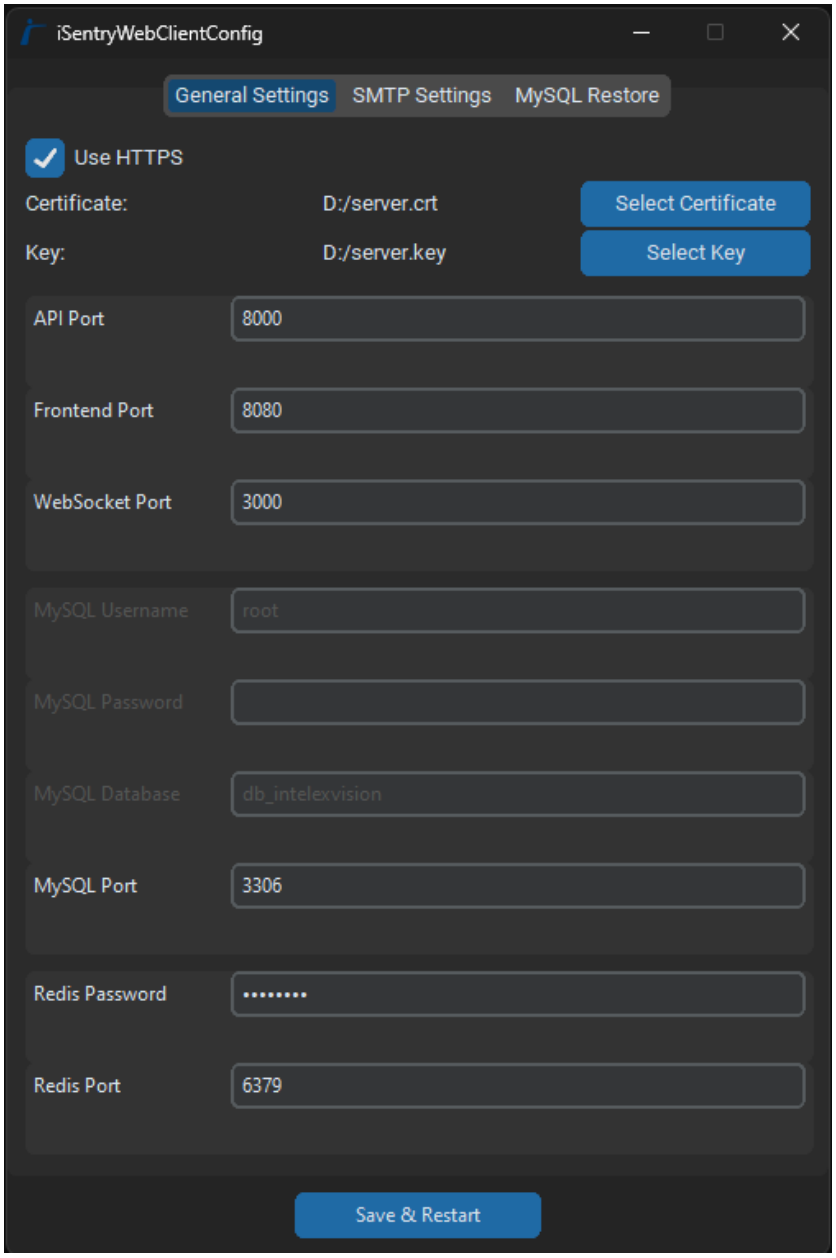
## HTTPS Configurations

### *Configure Sentry Web Client using SentryWebClient Config*

To set up Sentry Web Client, you need to run the SentryWebClientConfig tool. To do this, you can use the Windows search function to find "SentryWebClientConfig".

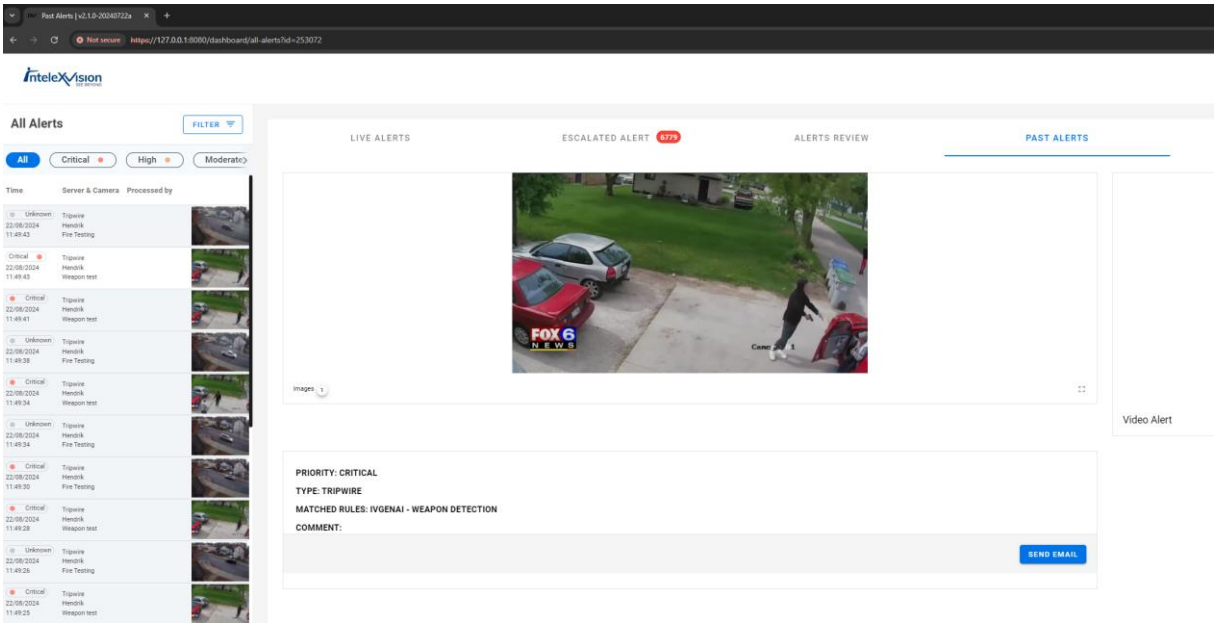


You need to set the "Use HTTPS" option, select a certificate (.crt file) and key (.key file), then press the "Save & Restart" button and wait for the restart to complete.

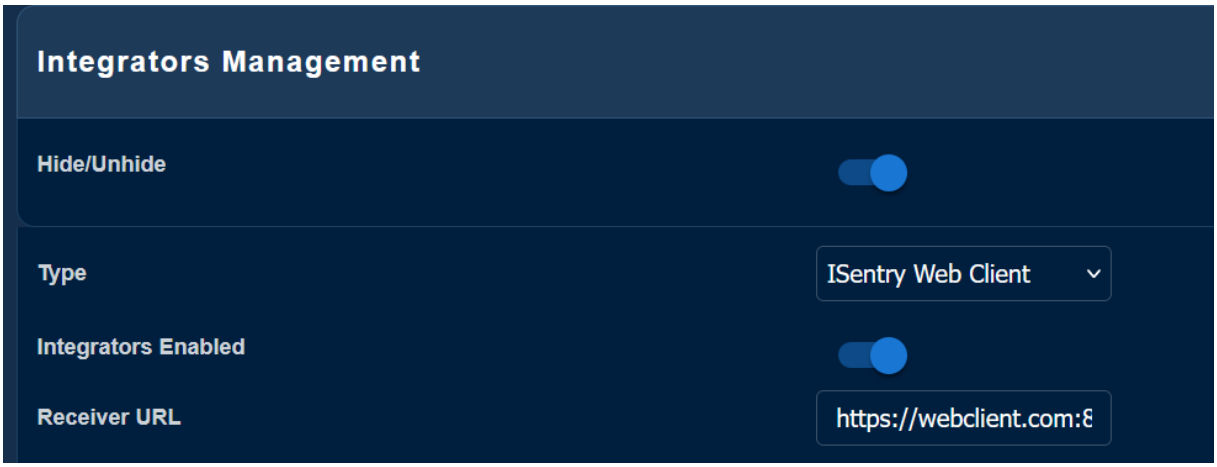


*Use web browser to access Sentry Web Client with http scheme*

- If HTTP protocol was using before on the same web browser, please clear the cache of the web browser or open with Incognito Tab to check the HTTPS Web Client.
- The web client should work with https protocol.



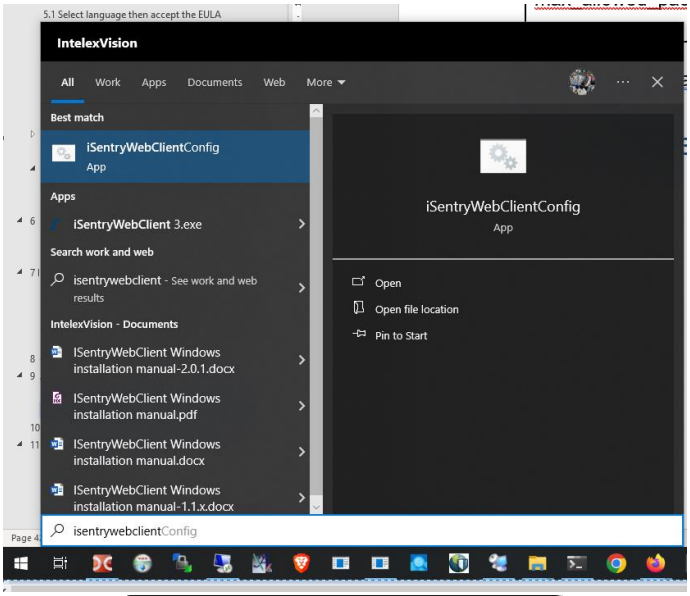

- IMPORTANT! When adding Sentry Web client to Sentry Server, please provide the full path https://[Web_client_ip]:8000 in the Receiver URL box from Integrators Management section of Sentry Web Settings



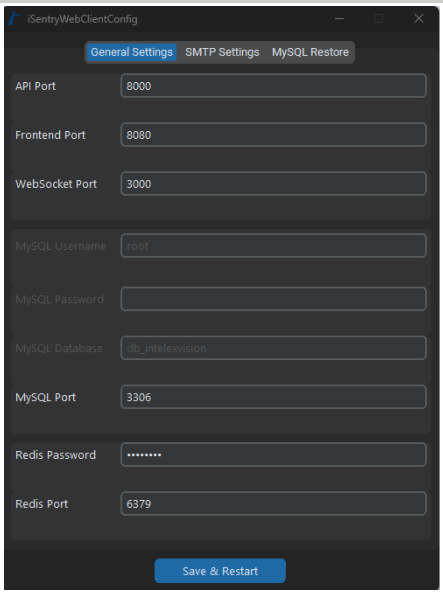
# Advanced Configuration

## *Change default web client port number*

- From start menu, search for *SentryWebClientConfig* app to pop up the port configuration.
- Change the port and click “Save & Restart”.




-

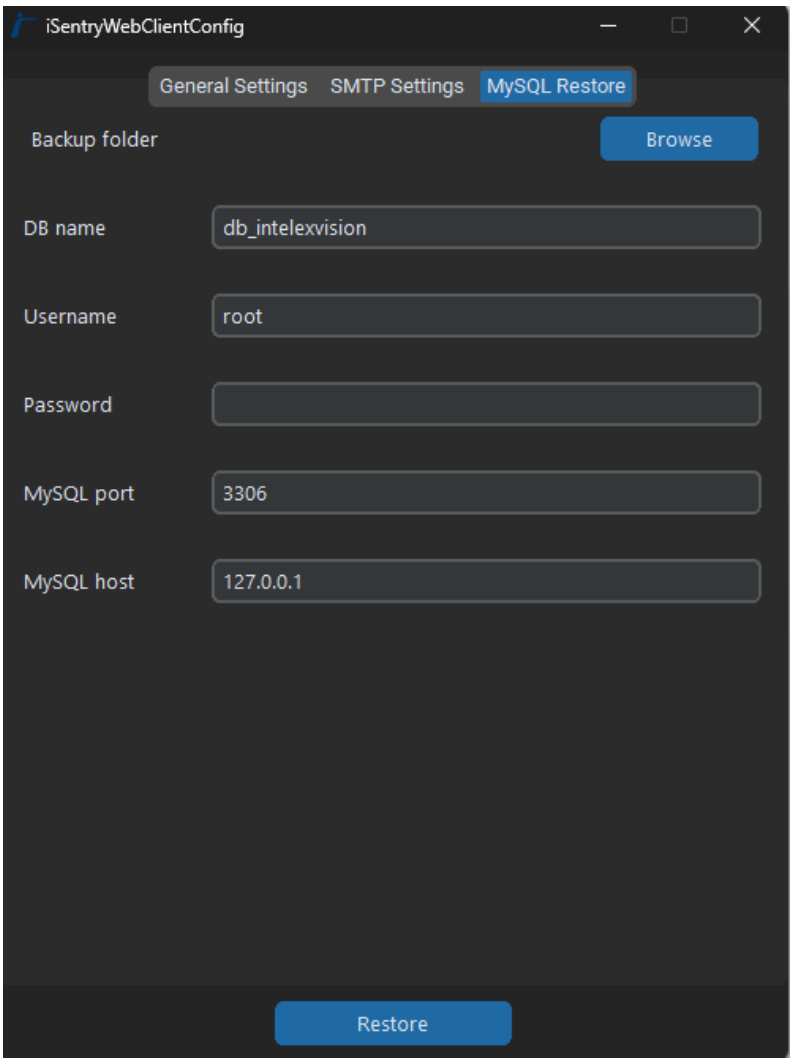


### *Restore database*

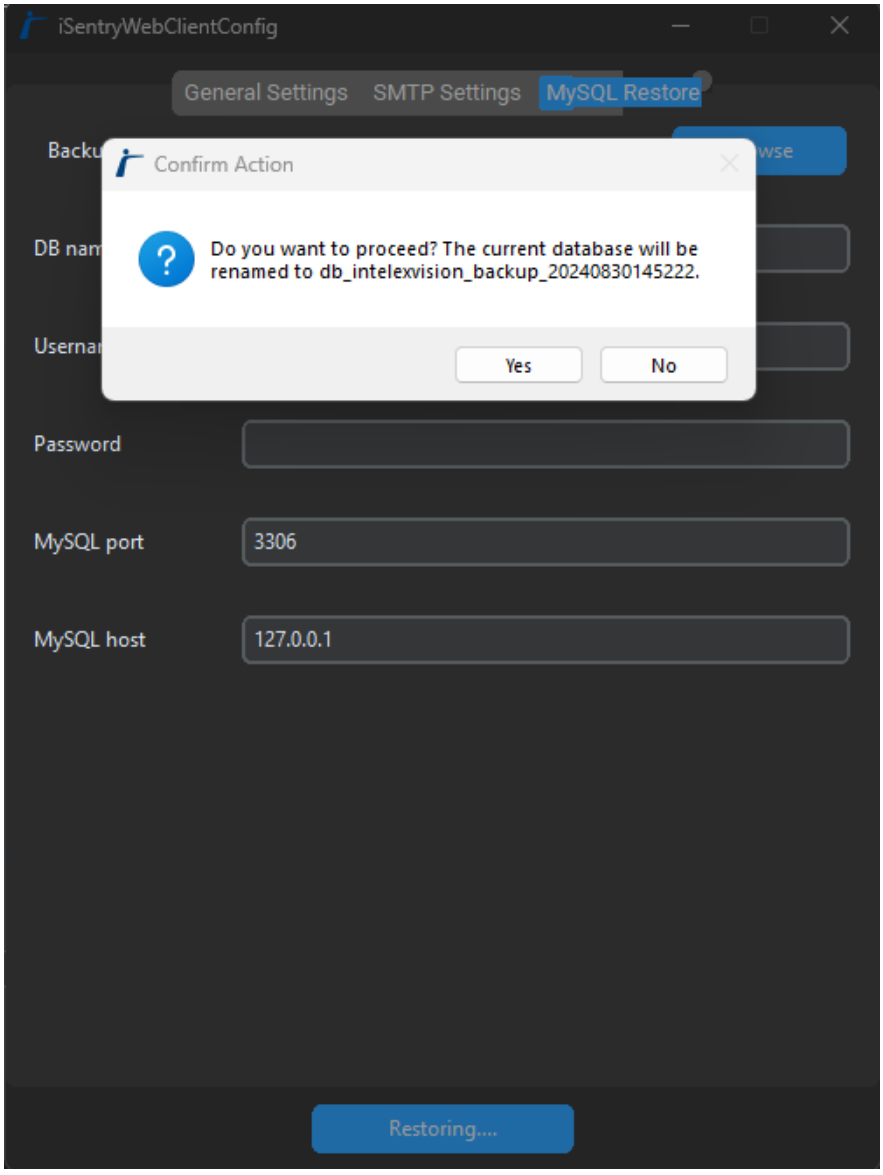
In some rare cases, for example, power outage, the MYSQL database can be corrupted and cannot be recovered. This section shows steps to restore database that has been daily backup and saved in ISENTRY_WEB_CLIENT_INSTALLATION_DIR/api-intelexvision/storage/backup

From start menu, search for SentryWebClientConfig app to pop up the port configuration.

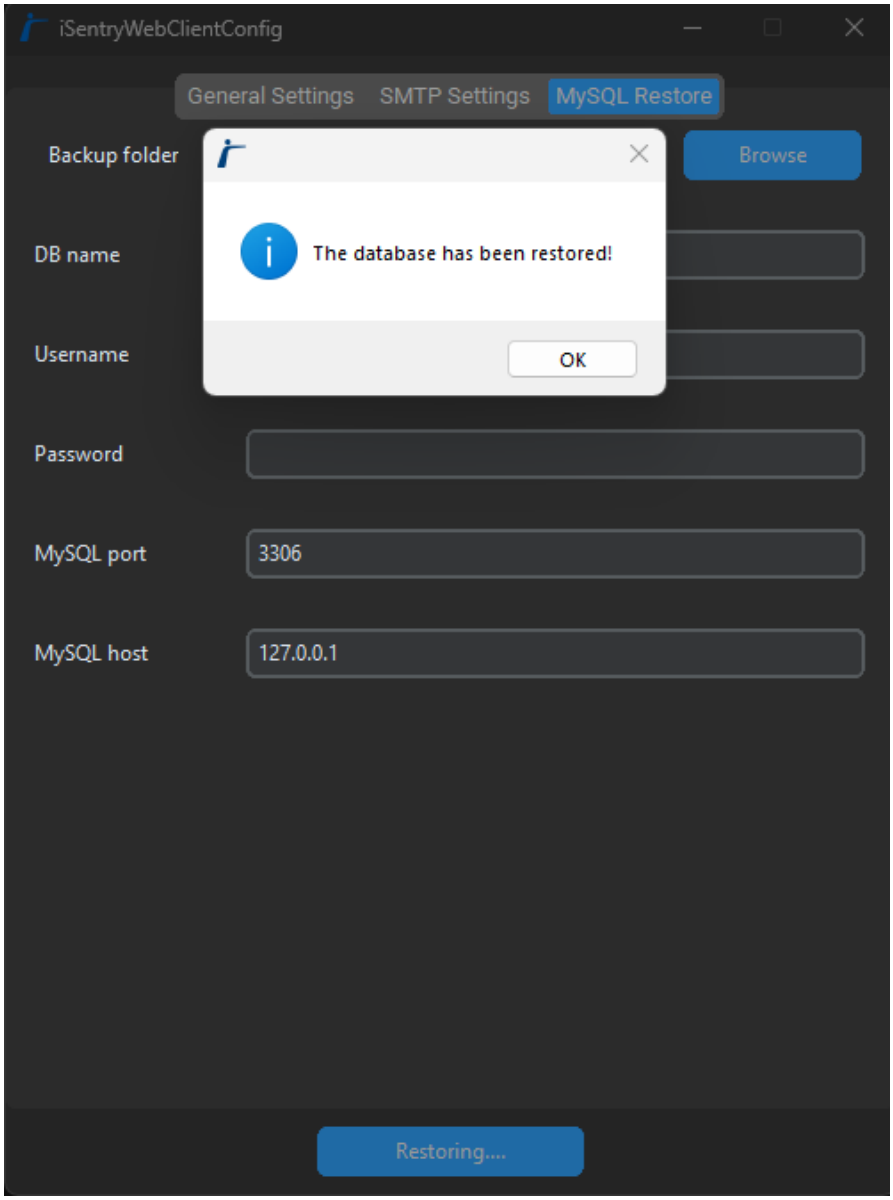
- Select the “MySQL Restore” tab, select the backup folder, check connection settings.
- The backup folder of Sentry Web Client Database will be ISENTRY_WEB_CLIENT_INSTALLATION_DIR/api-intelexvision/storage/backup
- Make sure there is an
- After that, click “Restore”.



If a database exists, the application will check for it. If an old version of the database is found, it will be renamed and a new database will be created. Accept the "yes" button to start the restoration process.



Wait for a message about the end of the operation.

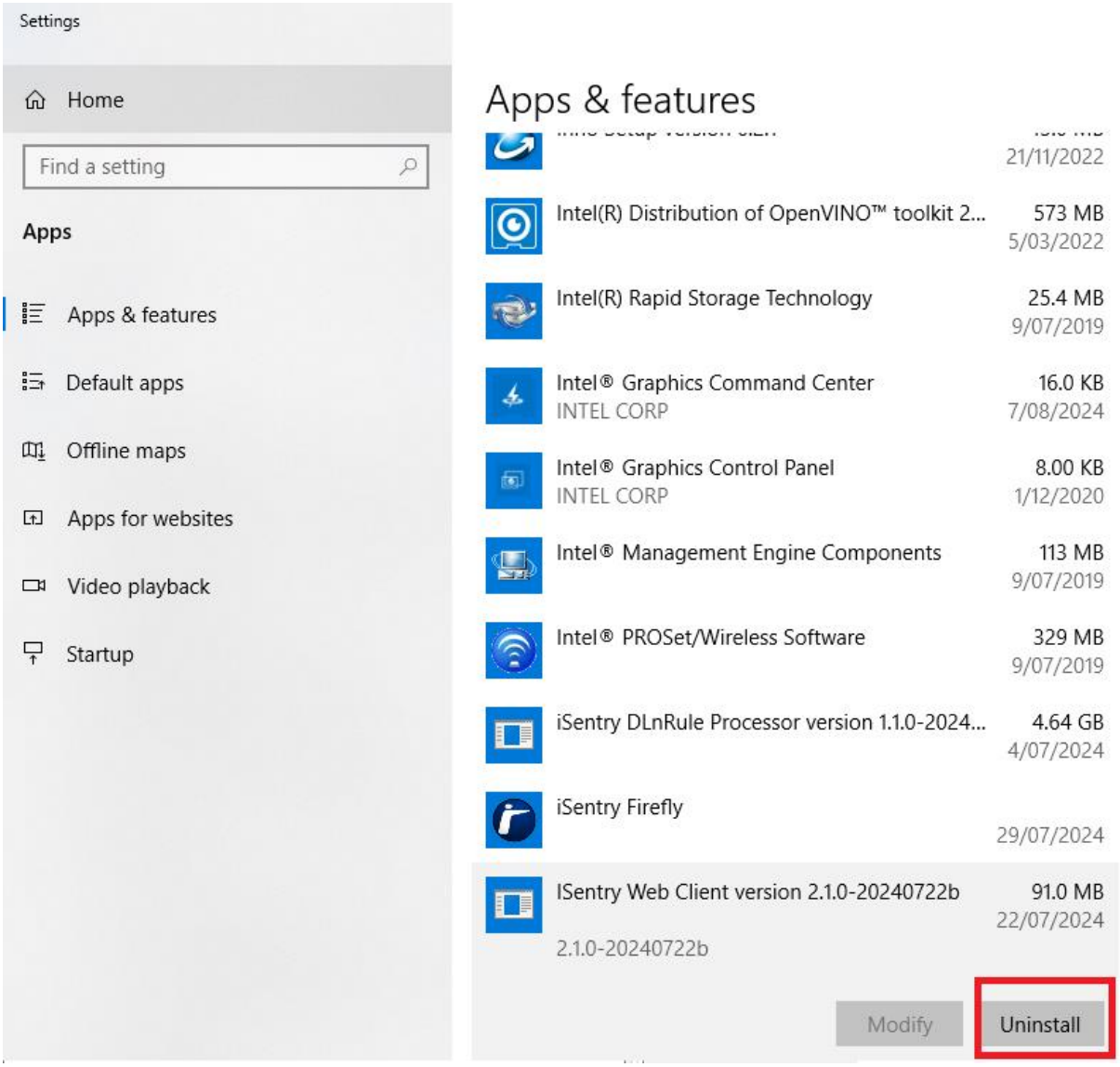



## Upgrade

- Installing a newer version of Sentry Web Client will auto upgrade the current one. Please follow the section "Steps to install" for further detail

## Uninstallation

- When the Sentry Web Client need to be completely removed, it can be uninstalled from Window App & Features. Please note that the uninstallation will also remove alert images and videos pushed from Sentry Servers.




## Troubleshooting

1. If you do not see a camera in the alert view or past alerts you might double check under permission for your user whether or not it is allowed there.

# Change Log

## Version 2025R3 (2.4.0)

- Insert email text, the email now has several lines
- Hide/unhide Aurora question option from the Webclient
- Native Windows Installer is marked deprecated
- Introduce Windows wsl installer

## Version 2025R2 (2.3.0)

- Windows:
    - Fix UI for keep watch rabbitmq
    - Add required empty disk space configuration
- Global alert per server (represented as camera id = -1)
    - E.g Live license request failed
- Add refresh cache button in alert filter to update recently new servers/camera/ rules
- Fix sending email function
- Add warning message when removing camera
- New Sentry Logo/icons
- Live alert grid view

## Version 2.2.0

- Alert filter by Aurora matched keyword
- Map view display
- Telegram alert notification.
- Alert Bookmark

## Version 2.1.1

- Fix Database restore issue: new alert cannot be shown
- Enable HTTPS mode via UI configuration tool.
- Update Logo Sentry

## Version 2.1.0

- Add a new SentryWebClientConfig tool;
- Fix MySql service running manner;
- Add Https instruction (22 Aug 2024)

## Version 2.0.1

- Add port configuration
- Object type filter in heatmap
- Remove non active camera tab

## Version 2.0.0

- Initial database backup implementation
- Show Alert SOP and third party result per alert
- Regex search (and exact search)
- E-mail alert report to user(s)
- Send live alert to selected user
- Alert filter/search by area
- Email notification by rules
- Heatmap and forensic search, with link to search by area
- Area counting

## Version 1.1.3

- Fix timezone from UTC to local time of the web browser in Summary tab of BI tool

## Version 1.1.2

- Fix user permission

- Fix timezone per server (it was only one timezone table for all server which is wrong)

- Auto process alert even after being clicked if enabled.

- Fix alert filter

    Return correct info when apply rule engine filter

    Add unknown alert in the rule filter (shown as null)

- Fix file deletion issue when disk has no space.

- BI tool related bug fix.

- Important feature:

- Web client  uninstall script includes backup alert data option.
- Add script to run bases services: Apache, Redis, MySQL without login

## Version 1.1.1

- First Windows native build
- Alert images and videos in folder name by date - remove indexing issue for large amount of files inside one single folder
- Indexing many fields in the database to speed up deletion tasks.

## Version 1.1.0

- No windows native build.