Installation Guide of Team #1

How to install Video Chat app and Login Server



**Team #1 Quiet People**

06.21.2023

# INTRODUCTION

Team #1's Video Chat App. consists of two systems.

One is a Video Chat App. written in C++ in Visual Studio, and the other is a Login server written in Python.

We will guide you through the installation and environment settings of each.

# DOWNLOAD

Team#1's source code is stored on GitHub. Check and download from the site below.

<https://github.com/bccha/LG_Security_Team1>

git clone <https://github.com/bccha/LG_Security_Team1.git>

# VIDEO CHAT APP.

Video Chat App. was created based on the source code provided at the beginning of the project.

Additional required libraries are **cpprestsdk** and **openssl**, which can be installed with **vcpkg** as in the guide below.

| # To install VCPKG  git clone https://github.com/microsoft/vcpkg  .\vcpkg\bootstrap-vcpkg.bat  # Install openssl, cpprestsdk  .\vcpkg.exe install cpprestsdk cpprestsdk:x64-windows openssl openssl:x64-windows  .\vcpkg\vcpkg integrate install |
| --- |

Then go back to Visual Studio and build the Video Chat App.

# LOGIN SERVER

Login Server can be run using a Python Virtual Environment or using Docker.

* Editing **marks** in the config file below

[TOTP Demo/core/config.py]

| import os  from pathlib import Path  from dotenv import load\_dotenv  from pydantic import BaseSettings  env\_path = Path(".") / ".env"  load\_dotenv(dotenv\_path=env\_path)  class Settings(BaseSettings):  PROJECT\_NAME: str = "LG Secu Team 1 - Login Server"  PROJECT\_VERSION: str = "1.0.0"  email\_sender: str = 'lgesecuteam1@gmail.com'  email\_password: str = 'imfzqouxcvsdujru'  server\_address: str = **'https://192.168.0.136:8000'**  settings = Settings() |
| --- |

* Using Virtual Environment

On Windows Powershell, Enter following commands.

| cd '.\TOTP Demo\'  pip3 install virtualenv  virtualenv -p python3 venv  venv\Scripts\activate  pip3 install -r requirements.txt  .\run\_https.bat |
| --- |

* Using Docker

On Bash Shell, Enter following commands.

| $ cd /LG\_Security\_Team1  $ touch TOTP\ Demo/two\_fa\_app.db  $ docker build -t totp .  $ docker run -it --rm -p 8000:8000 \  -v /LG\_Security\_Team1/TOTP\ Demo/two\_fa\_app.db:/app/two\_fa\_app.db \  totp:latest |
| --- |