CND Live Manager Deployment Guide

Environment Preparation

1. Server Hardware Requirements

   - Processor speed: 2.0GHz+
   - RAM: 2GB+
   - Storage: 40GB+

2. Operating System Requirements

   - Ubuntu 18.04+

3. Network Requirements

   - At least one public IP address for internet access (this requirement can be ignored if internet access is not needed).
   - Bandwidth planning: Plan bandwidth according to the encoding rate. For example, if the encoding rate is 3Mbps, plan for 6Mbps bandwidth.

4. Firewall Settings

   - If there is a firewall in the network, all ports must be open to allow streaming on any port at any time.

     TCP 8080 web access

     UDP 50000 device communication

     Ensure that the firewall settings allow all necessary network communications for the CNDLive Manager.

Connecting to the Server

1. Installing OpenSSH on MacOS and Linux and Connecting to the Server

   - In most MacOS and Linux systems, the OpenSSH client is typically pre-installed. You can check if OpenSSH is installed by running the following command in the terminal:

```
ssh -V
```

If you see SSH version information, it indicates that OpenSSH is installed.

- Open the terminal.

- Use the following command format to connect to the server:

```
ssh user@server IP address
```

- For example:

```
ssh admin@192.168.1.100
```

2. Installing PuTTY on Windows and Connecting to the Server

- Visit the PuTTY official website at https://www.putty.org/ to download the PuTTY installer.
- Run the installer and follow the installation wizard to complete the installation.
- Launch the PuTTY program.
- In the "Host Name (or IP address)" box, enter the server's IP address.
- In the "Saved Sessions" section, enter a session name (optional) and click "Save".
- Click "Open" to start the SSH session.
- At the login prompt, enter the username and password.

Please ensure that you have obtained the server's IP address and corresponding user credentials before connecting to the server.

Deployment Steps

1. Obtain Administrator Privileges

- In the server terminal, enter the following command to obtain administrator privileges:

```
sudo su
```

- In the pop-up dialog box, enter the administrator username and password.

2. Install Docker Container

- In the terminal, enter the following command to install Docker:

```
curl -fsSL https://get.docker.com | bash
```

- Wait for the command to execute completely, and Docker will be installed.

3. Pull CNDLive Manager Image

- In the terminal, enter the following command to pull the Docker image for the CND Live management platform:

```
docker pull cndlive/cndlivemanager
```

- Wait for the command to execute completely, and the management platform image will be downloaded.

4. Run the Management Platform

- In the terminal, enter the following command to run the Docker container for the CNDLive Manager:

```
docker run -itd --name cndlivemanager --restart=always -v ~/:/data --
privileged --user root --network host cndlive/cndlivemanager:latest
```

- Wait for the command to execute completely, and the CNDLive Manager will be installed and started.

Login Verification

1. Open Browser

- Recommended to use Google Chrome for the best experience.

- In the browser address bar, enter the following:

```
server IP address:8080
```

- For example, if your server IP address is 192.168.1.100, enter:
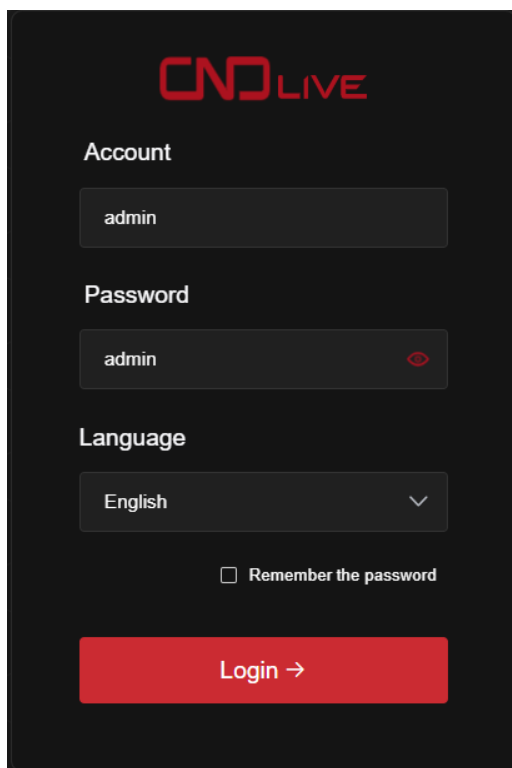
```
192.168.1.100:8080
```

- Press Enter.

2. Display Login Interface

- The browser will display the login interface for the aggregation server.

3. Login Verification

- In the login interface, the default username and password are both: admin.
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- Enter the default username and password.

- Click the login button or press Enter to log in.

4. Successful Login

- After successful login, you will enter the operation interface of the CNDLive Manager.

Ensure that all the above steps are executed before the CNDLive Manager is successfully deployed and running. If there are any issues during the login process, please check the network connection or contact technical support for assistance.

Technical Support

If you need more help, please contact our technical support team.

- Technical support email: support@cndlive.com
- Whatsapp: +8613278862824

Thank you for choosing the CNDLive Manager . We look forward to providing you with efficient and stable live management services.