

The top half of the image is a dark blue graphic with various white icons and charts. Icons include a smartphone, a laptop, a storefront, a cloud, a shopping cart, a location pin, a printer, a calendar, and a bank building. There are also several charts: a bar chart, a line chart, a pie chart, and a gauge. The text 'UShop+' is in large white font, and 'Installation Guide' is in smaller white font below it, preceded by a small blue square.

UShop⁺

Installation Guide

UShop⁺ SignageCMS Client Installation Guide

V1.8

ADVANTECH

Enabling an Intelligent Planet

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Version history

Version No.	Last update	Chapter	Content
V1.8	08/17/2018		

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1. System Requirement

- **WISE-PaaS/SignageCMS Server**

- OS: Windows Server 2008, 2012 or above
- CPU: Xeon 3000 or above (e.g. Intel E5-2620)
- RAM: 8GB or above
- Hard Disk: 500GB or above (C:) depend on media file size
- Port: 80 (HTTP), 1883 (MQTT), 16992 (Intel AMT)
- IP Address: Static IP Address is required
- Language: English / Simplified Chinese / Traditional Chinese

- **WISE-PaaS/SignageCMS Client**

- OS: Windows Embedded Standard 7, Windows 7/8/10
- CPU: Intel Celeron J1900 or above (1x Full HD video); Intel Core i5 or above (multiple Full HD video)
- RAM: 4GB or above
- Hard Disk: 100GB or above depend on media file size
- Port: 80 (HTTP), 1883 (MQTT), 16992 (Intel AMT)
- IP Address: Dynamic IP Address is fine
- VGA: Independent graphics card is better
- Language: English/ Simplified Chinese/ Traditional Chinese

2. Operation System Setting

A. Open firewall port TCP: 8085, UDP: 8083

Step 1 >> "Control panel" → "Windows firewall"

Step 2 >> Click "Advanced settings" on the left side

Step 3 >> "Inbound Rules" → "New Rule"

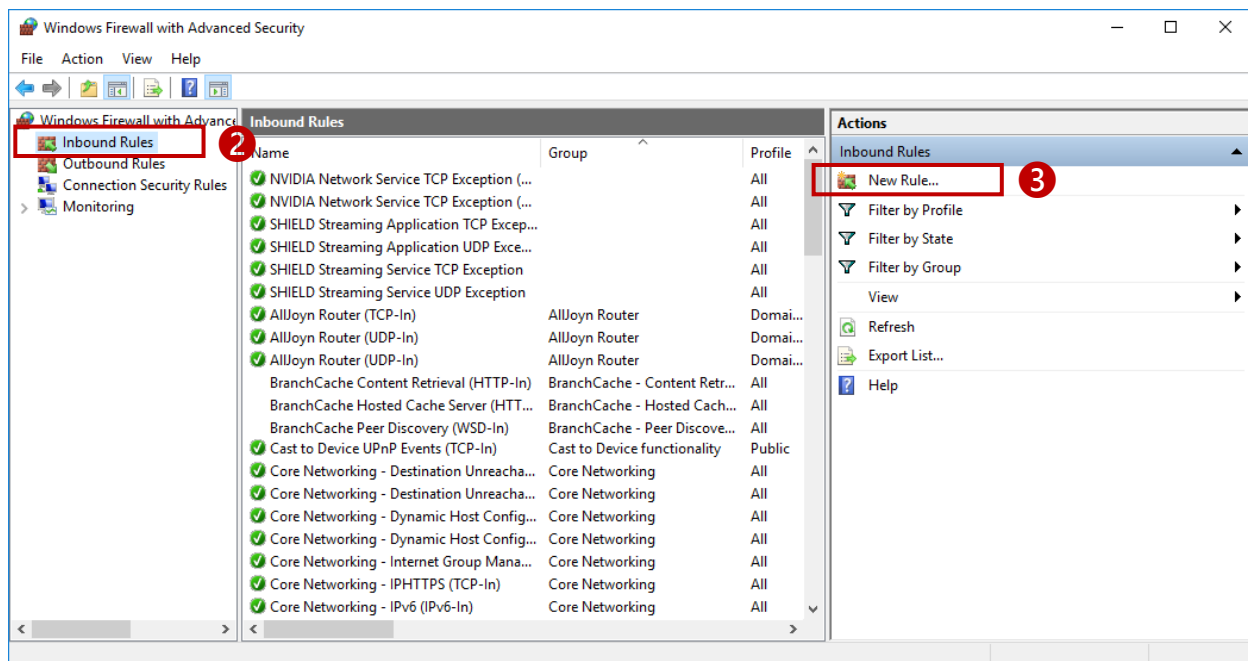
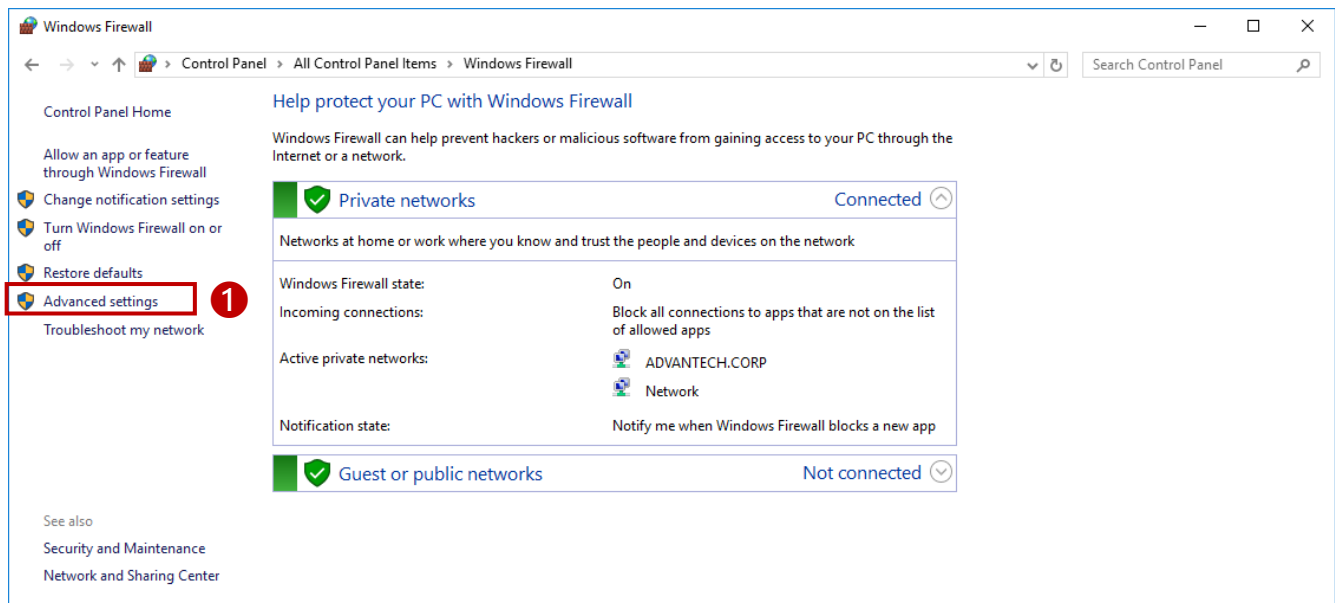
Step 4 >> "Port" → "TCP" and "Specific local ports" which enter 8085 → "Next"

Step 5 >> "Allow the connection" → Apply all the rule → Name it and click "Finish"

Step 6 >> "Inbound Rules" → "New Rule"

Step 7 >> "Port" → "UDP" and "Specific local ports" which enter 8083 → "Next"

Step 8 >> "Allow the connection" → Apply all the rule → Name it and click "Finish"



New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What type of rule would you like to create?

☐ **Program**
Rule that controls connections for a program.

☒ **Port**
Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**
AllJoyn Router
Rule that controls connections for a Windows experience.

☐ **Custom**
Custom rule.

< Back Next > Cancel

New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☒ **TCP**

☐ **UDP**

Does this rule apply to all local ports or specific local ports?

☐ **All local ports**

☒ **Specific local ports:** 8085
Example: 80, 443, 5000-5010

< Back Next > Cancel

New Inbound Rule Wizard

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Protocol and Ports
- Action**
- Profile
- Name

What action should be taken when a connection matches the specified conditions?

☒ **Allow the connection**
This includes connections that are protected with IPsec as well as those are not.

☐ **Allow the connection if it is secure**
This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
[Customize...](#)

☐ **Block the connection**

[< Back](#)
[Next >](#)
[Cancel](#)

New Inbound Rule Wizard

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile**
- Name

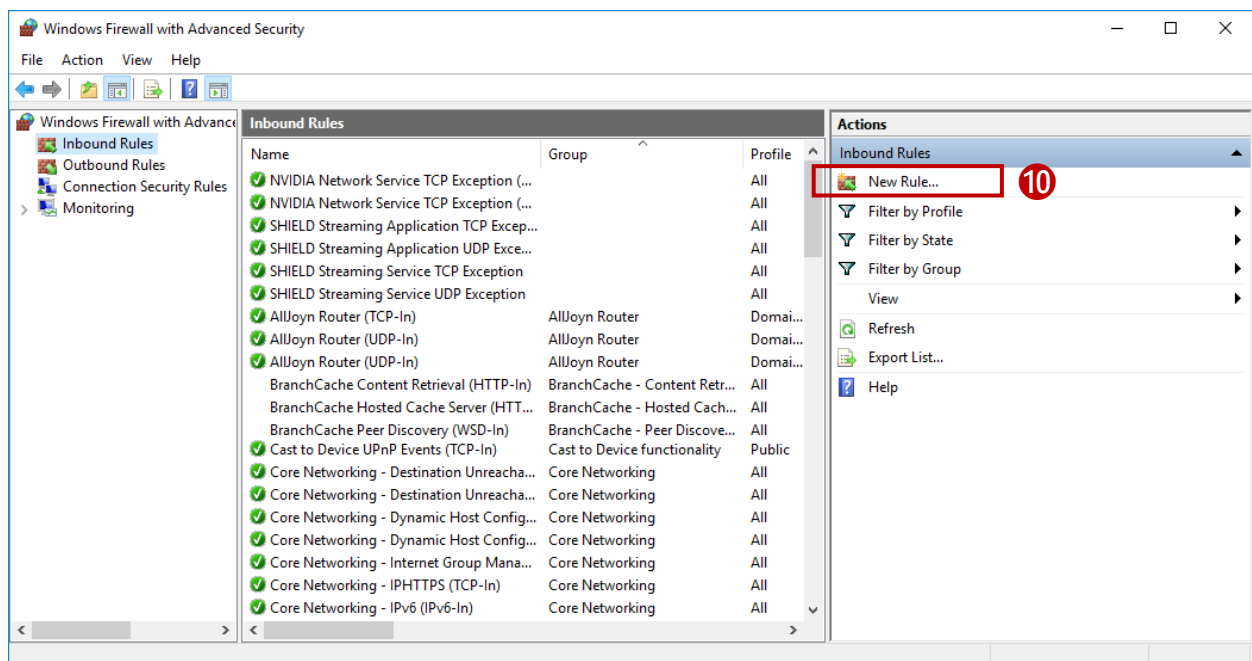
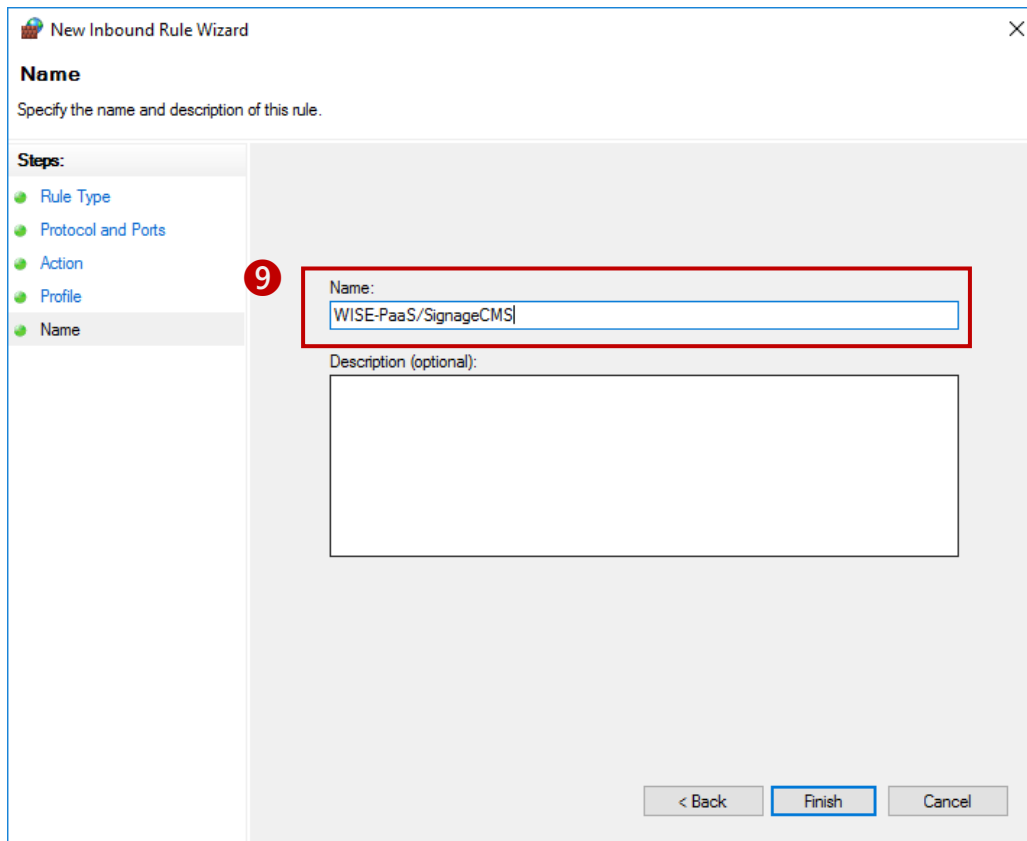
When does this rule apply?

☒ **Domain**
Applies when a computer is connected to its corporate domain.

☒ **Private**
Applies when a computer is connected to a private network location, such as a home or work place.

☒ **Public**
Applies when a computer is connected to a public network location.

[< Back](#)
[Next >](#)
[Cancel](#)



New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What type of rule would you like to create?

☐ **Program**
Rule that controls connections for a program.

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Rule that controls connections for a TCP or UDP port.

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AllJoyn Router
Rule that controls connections for a Windows experience.

☐ **Custom**
Custom rule.

< Back Next > Cancel

New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☐ TCP

12 ☒ **UDP**

Does this rule apply to all local ports or specific local ports?

☐ All local ports

13 ☒ **Specific local ports:**
Example: 80, 443, 5000-5010

< Back Next > Cancel

New Inbound Rule Wizard

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Protocol and Ports
- Action**
- Profile
- Name

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This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
Customize...

☐ **Block the connection**

< Back
Next >
Cancel

New Inbound Rule Wizard

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile**
- Name


When does this rule apply?

☒ **Domain**
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☒ **Private**
Applies when a computer is connected to a private network location, such as a home or work place.

☒ **Public**
Applies when a computer is connected to a public network location.

< Back
Next >
Cancel

 New Inbound Rule Wizard ×

Name
Specify the name and description of this rule.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

16

Name:

WISE-PaaS/SignageCMS UDP

Description (optional):

< Back

Finish

Cancel

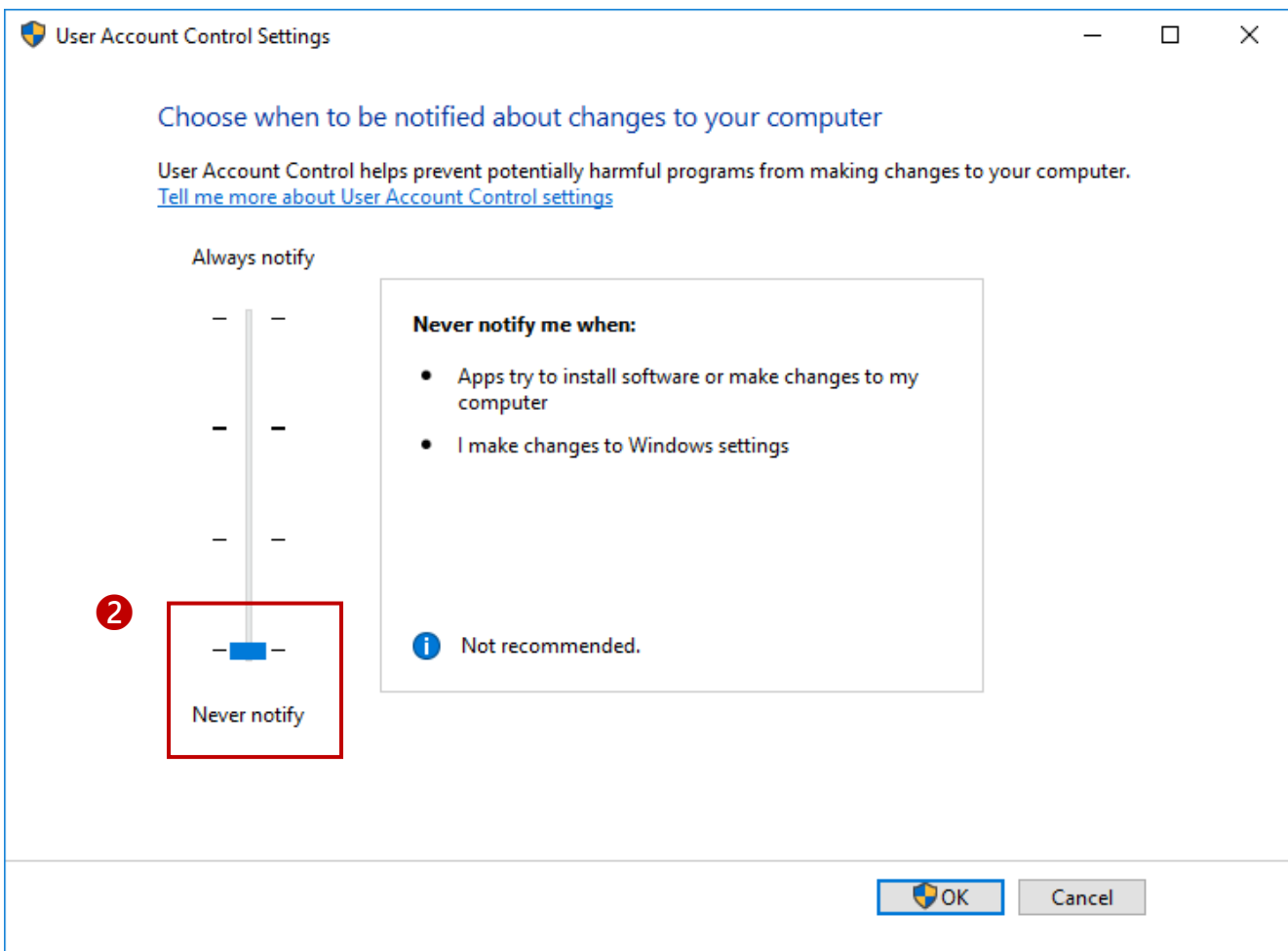
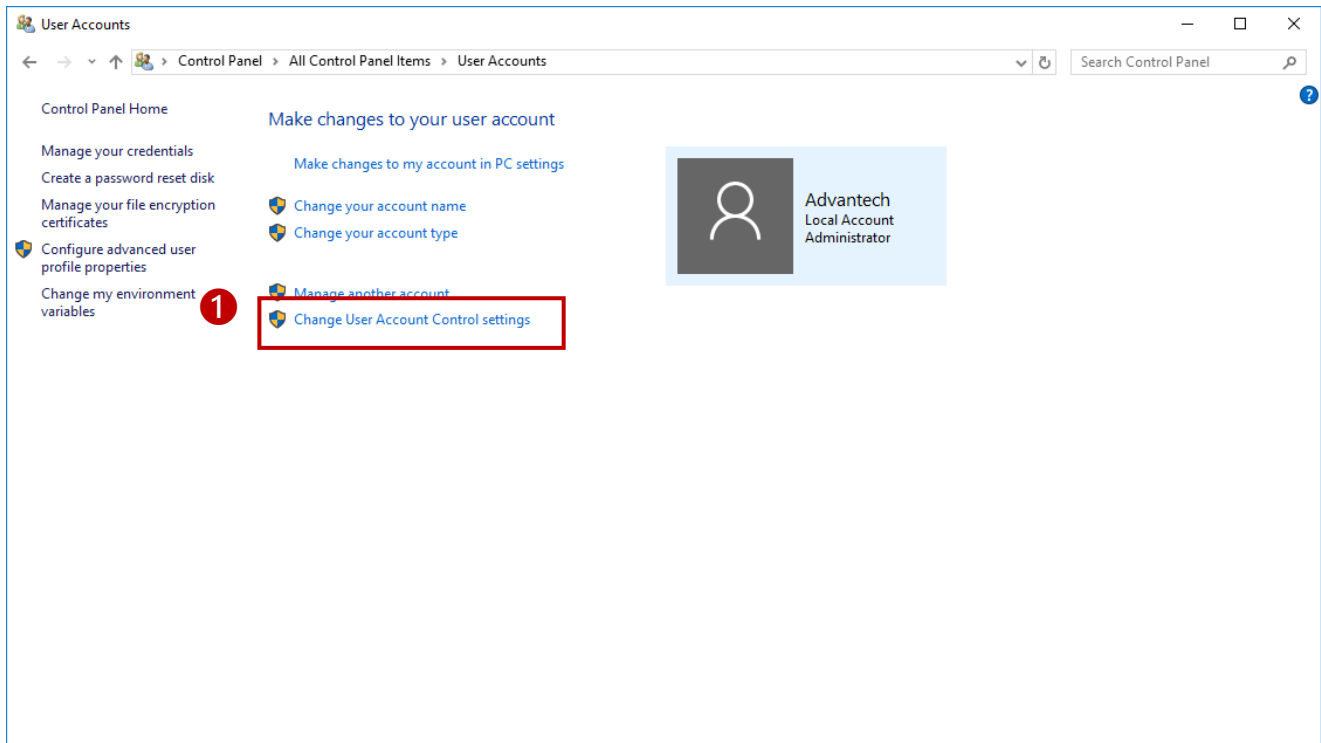
B. Turn off the UAC

- If the OS hasn't these function, it can skip this step

Step 1 >> "Control panel" → "User Accounts"

Step 2 >> Click "Change User Account Control settings"

Step 3 >> Adjust the setting to "Never notify" and click "OK" to confirm



C. Open Virtual Memory

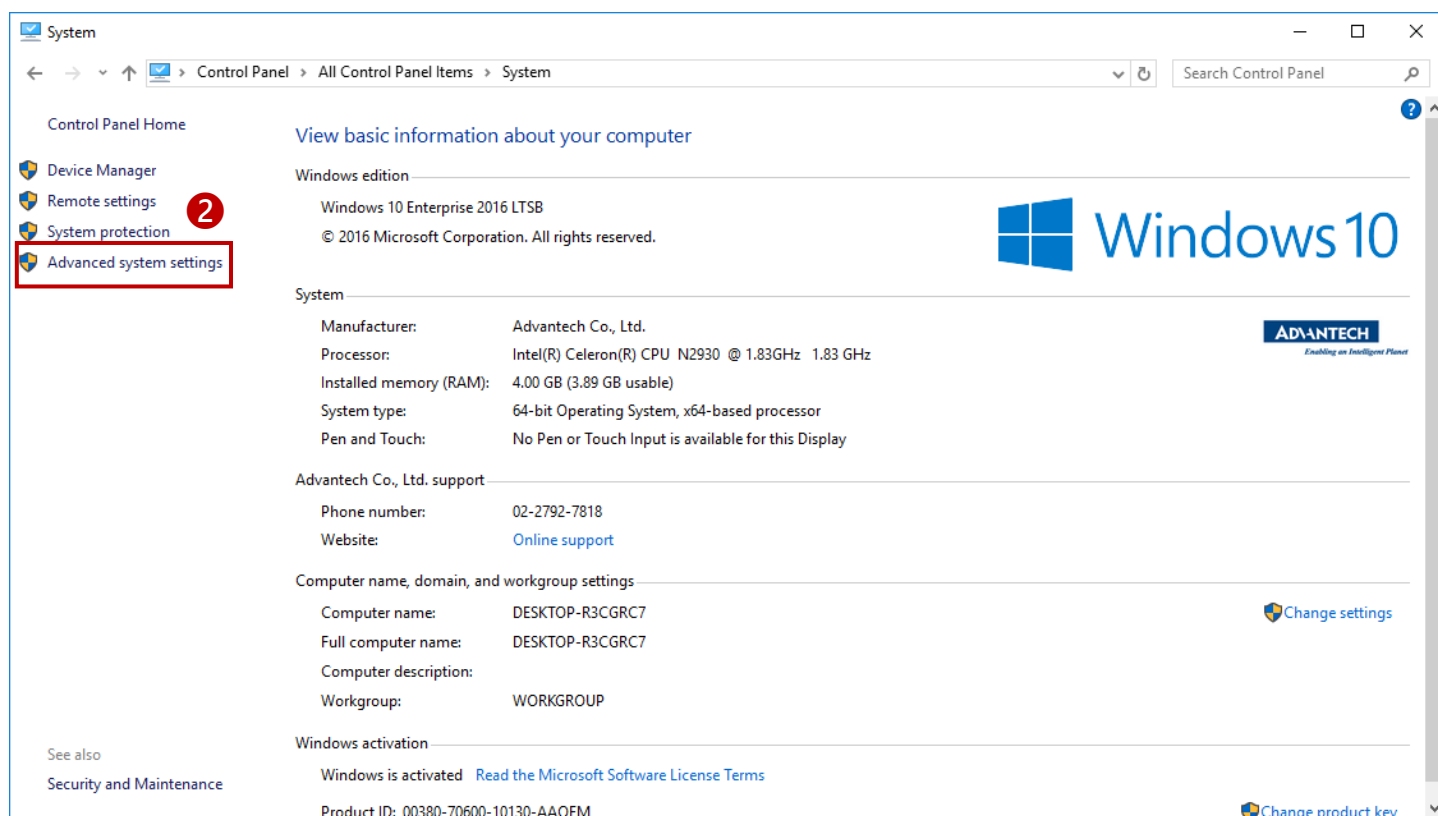
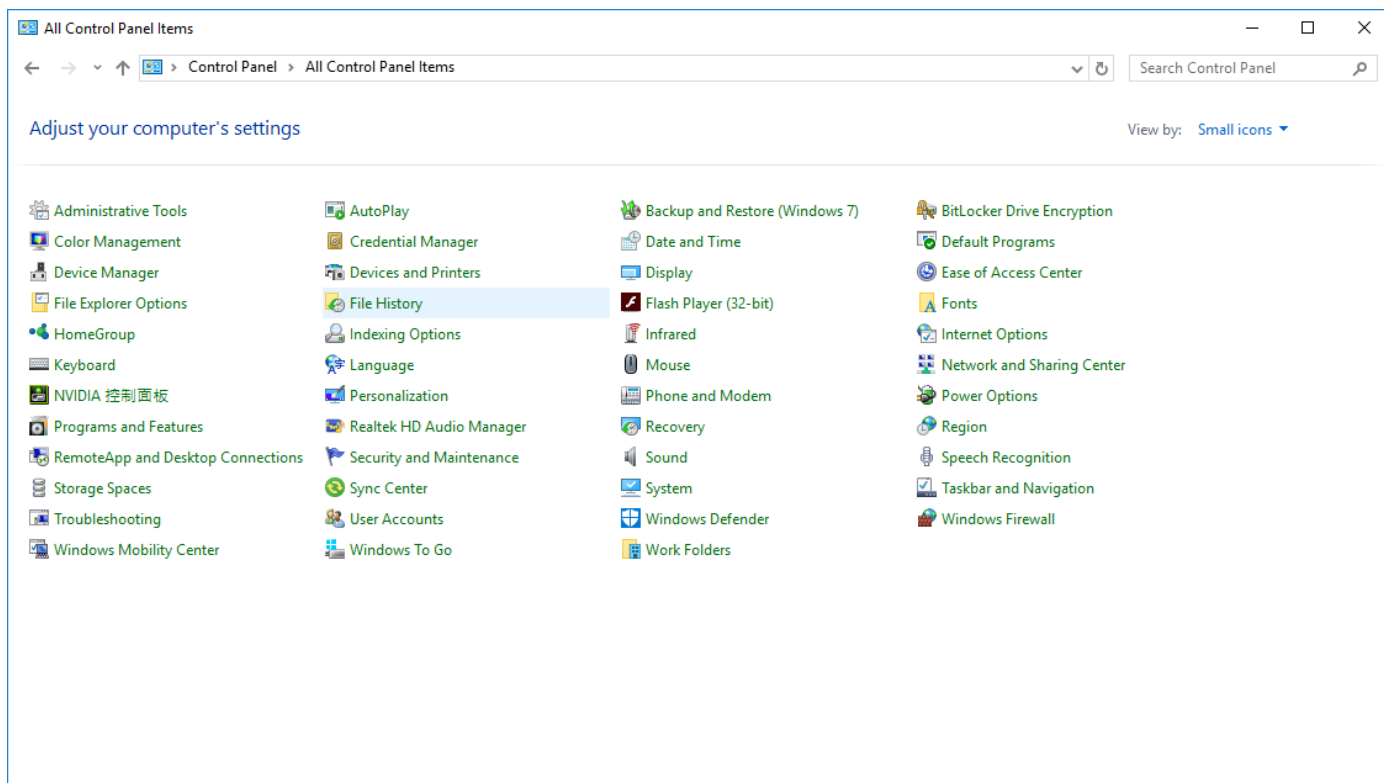
Step 1 >> 【Control Panel】→【System】

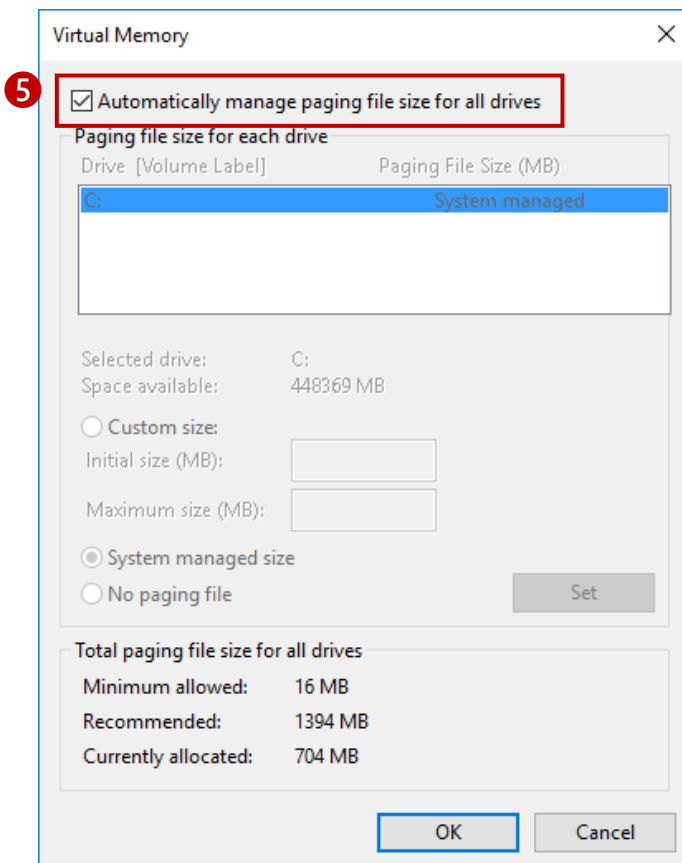
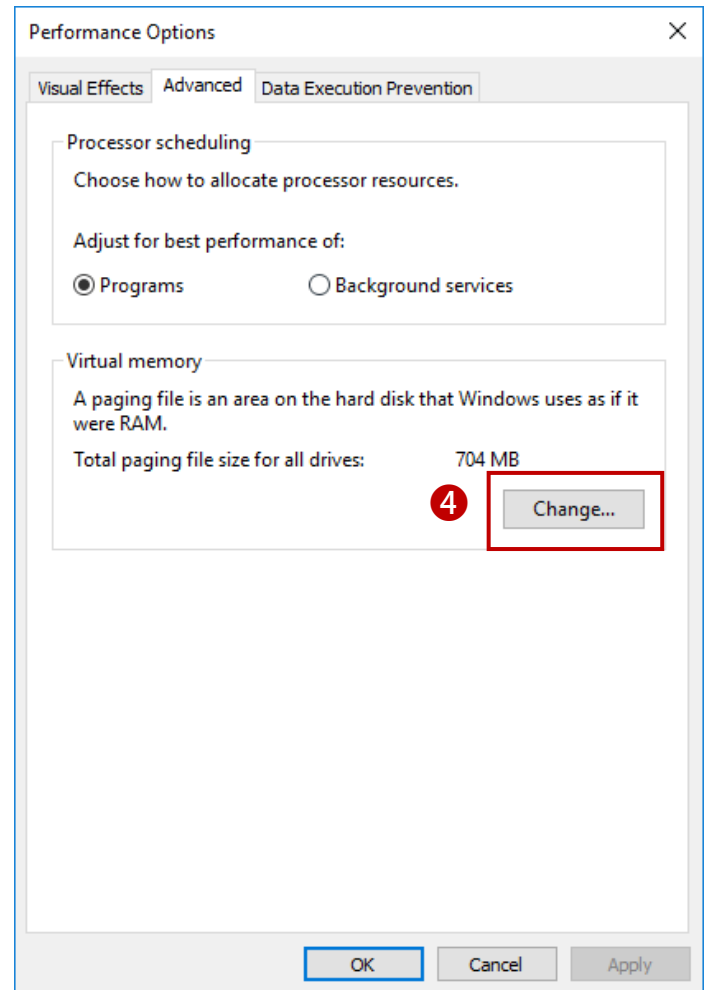
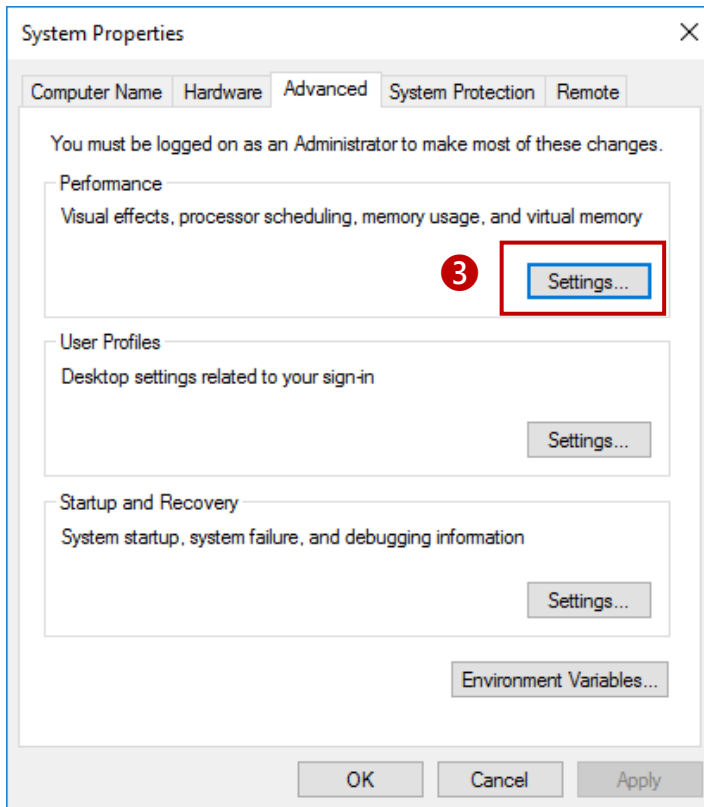
Step 2 >> Click 【Advanced system settings】in the left.

Step 3 >> Enter 【System Properties】→【Advanced】→【Performance】→【Settings】

Step 4 >> Enter 【Performance Options】→【Advanced】→【Virtual memory】→Click【Change】

Step 5 >> Click 【Automatically manage paging file size for all drives】(Taking effect after reboot system)





D. Time zone correction

! Please NOTE that if the platform contains WISE-PaaS/SignageCMS Server, time zone of database needs to be adjusted after the platform time zone is corrected, and it doesn't support the daylight saving time.

The screenshot shows the Windows Settings application, specifically the 'Date & time' section. On the left sidebar, 'Date & time' is selected. The main content area shows the current date and time as '6:22 AM, Friday, July 13, 2018'. Below this, there are three toggle switches: 'Set time automatically' (On), 'Set time zone automatically' (Off), and 'Adjust for daylight saving time automatically' (Off). The 'Adjust for daylight saving time automatically' toggle is highlighted with a red rectangular box. Below the toggles, there is a 'Change date and time' button and a 'Time zone' dropdown menu set to '(UTC-08:00) Pacific Time (US & Canada)'. At the bottom, the 'Formats' section shows the first day of week as Sunday, short date as 7/13/2018, long date as Friday, July 13, 2018, and short time as 6:22 AM.

Settings

Home

Find a setting

Time & language

Date & time

Region & language

Speech

Date and time

6:22 AM, Friday, July 13, 2018

Set time automatically

On

Set time zone automatically

Off

Change date and time

Change

Time zone

(UTC-08:00) Pacific Time (US & Canada)

Adjust for daylight saving time automatically

Off

Formats

First day of week: Sunday

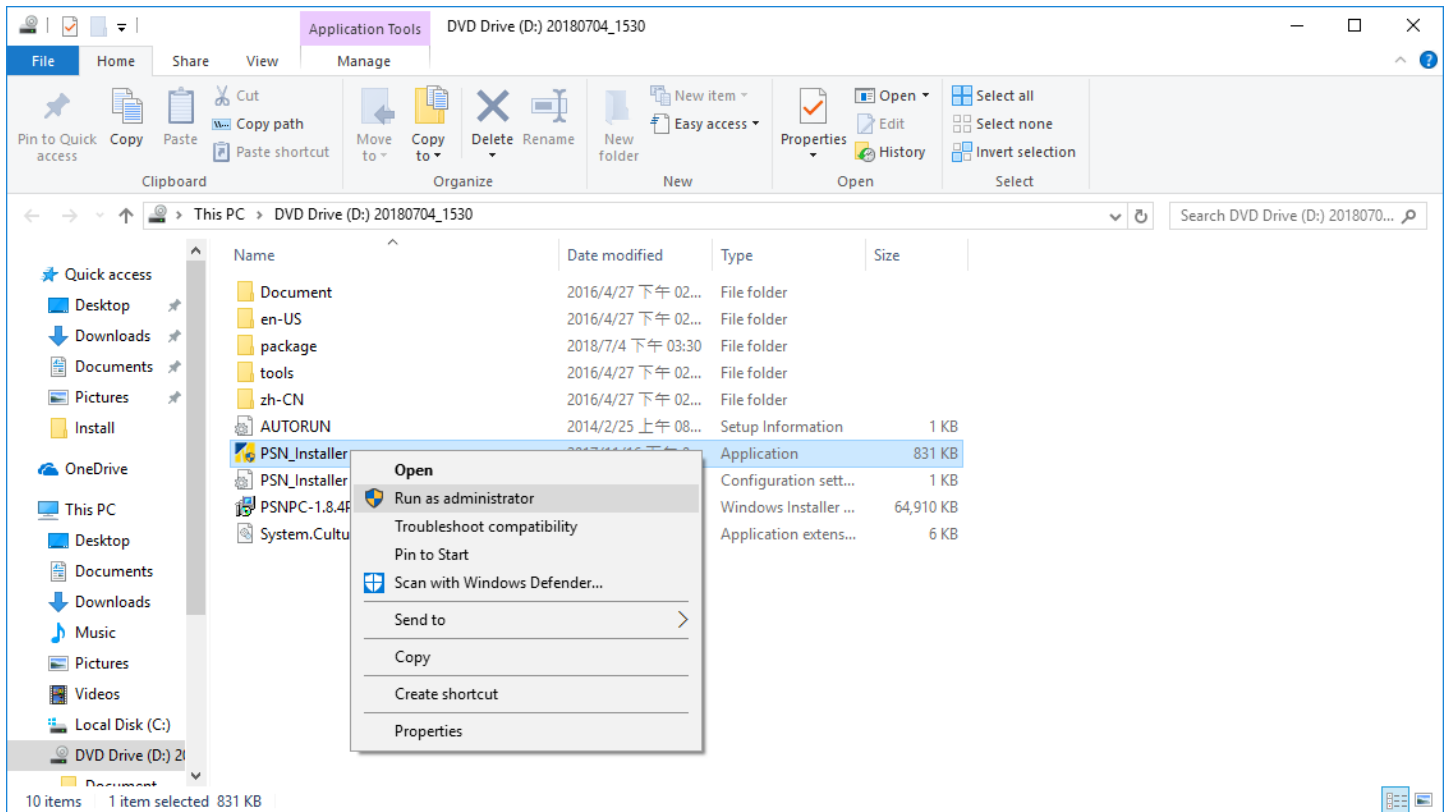
Short date: 7/13/2018

Long date: Friday, July 13, 2018

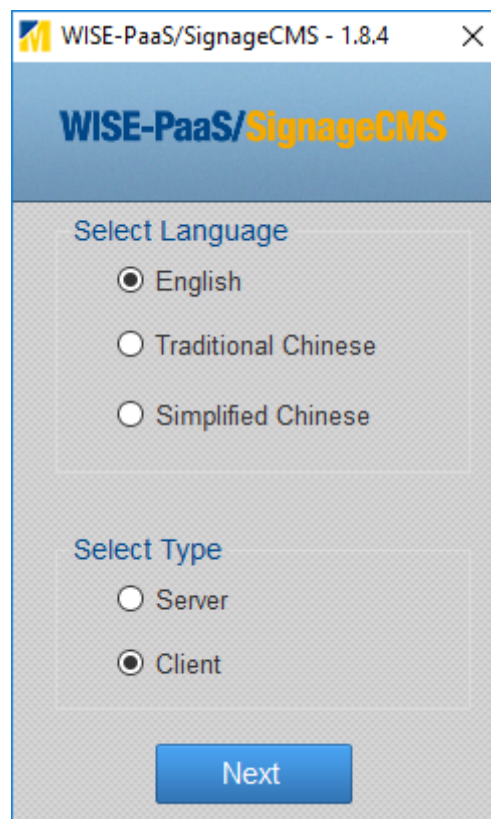
Short time: 6:22 AM

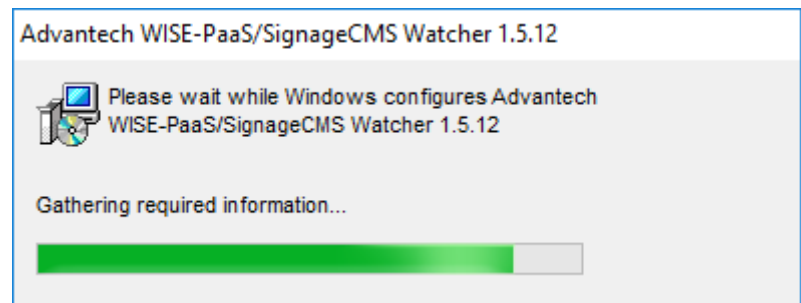
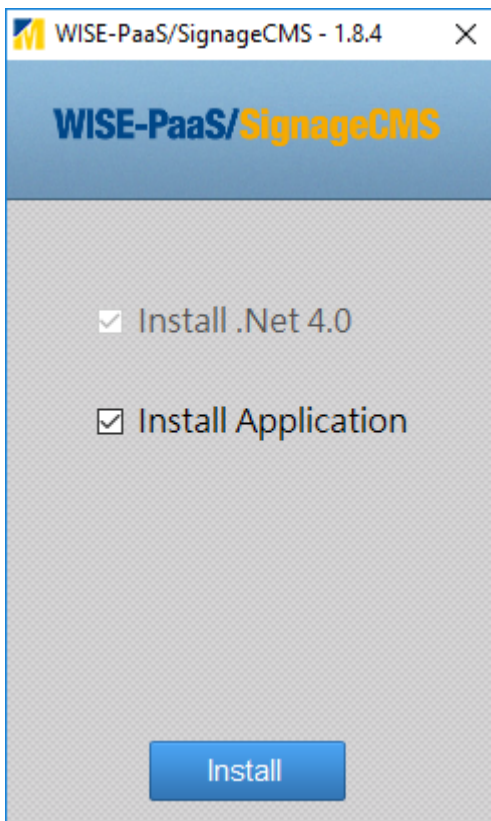
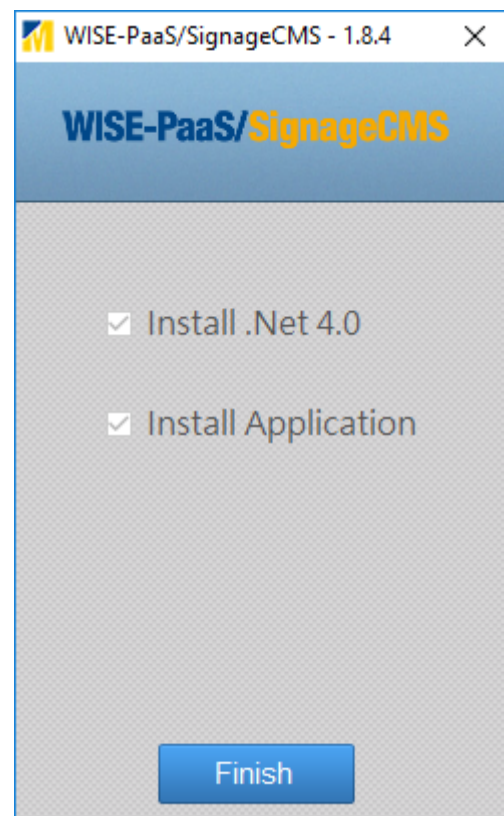
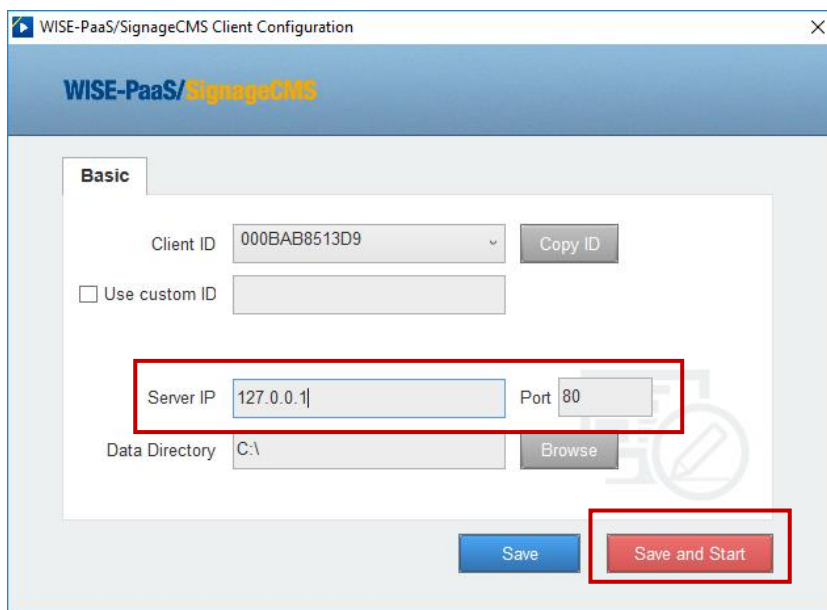
3. WISE-PaaS/SignageCMS Client Software Installation

A. Run the installation in administrator mode: Right-click on “PSN_Installer.exe” → “Run as administrator”



B. Select language and “Client”, then click “Next”

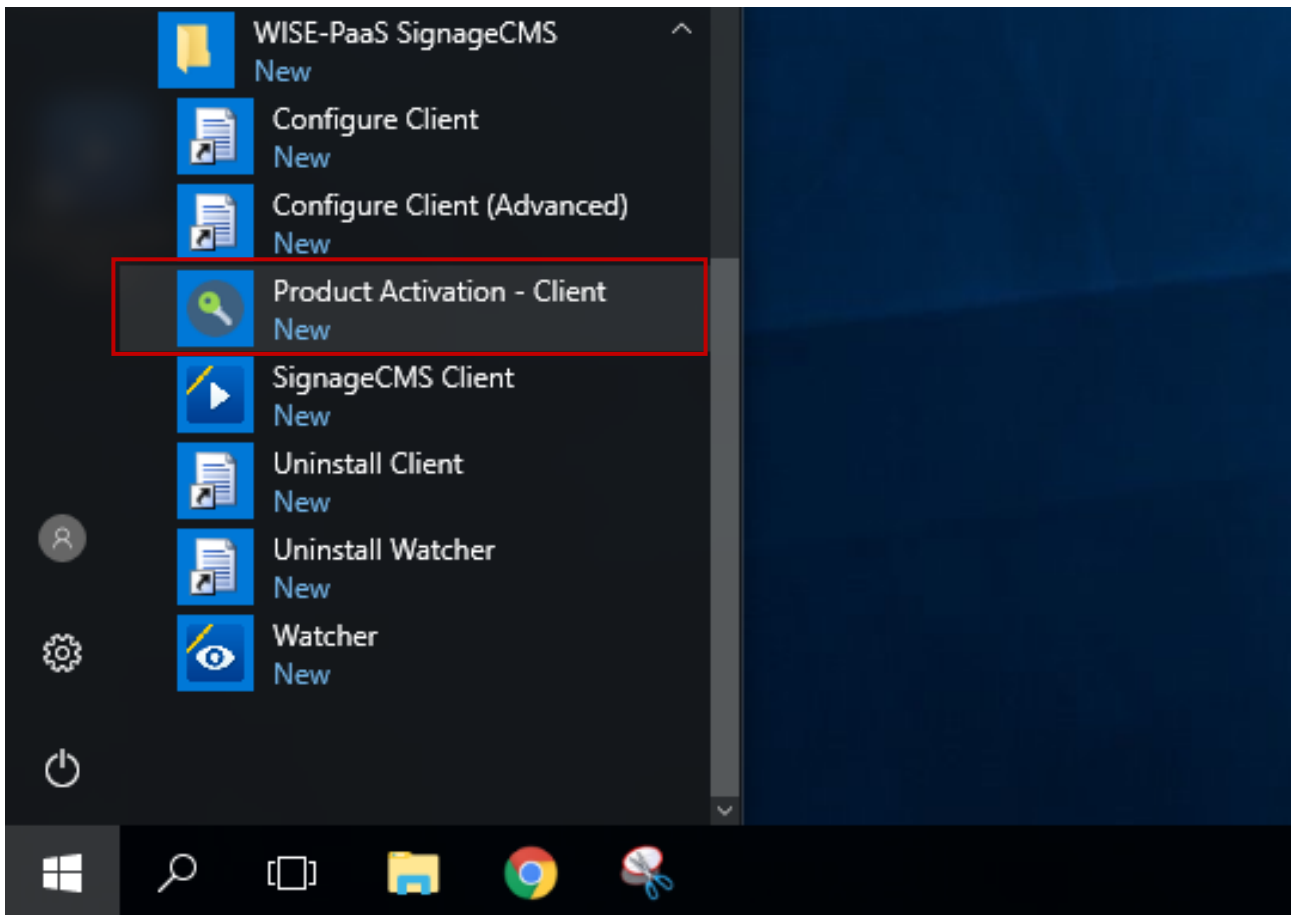


C. Tick all items and click "Install"**D. Set Server IP and Finish installation**

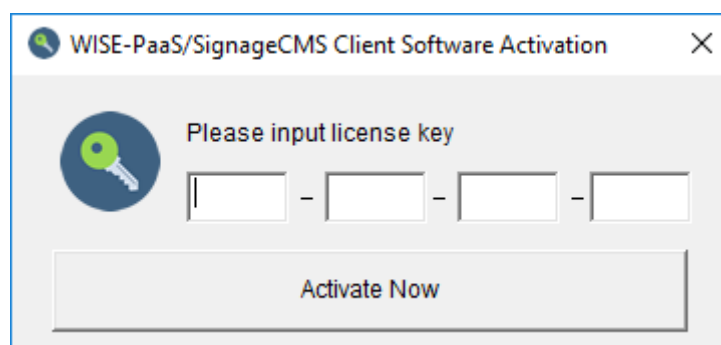
4. Client Software Activation

! Before activation, the main program of WISE-PaaS/SignageCMS will be automatically turned off.

A. Confirm the system connecting the Internet, and run the Product Activation

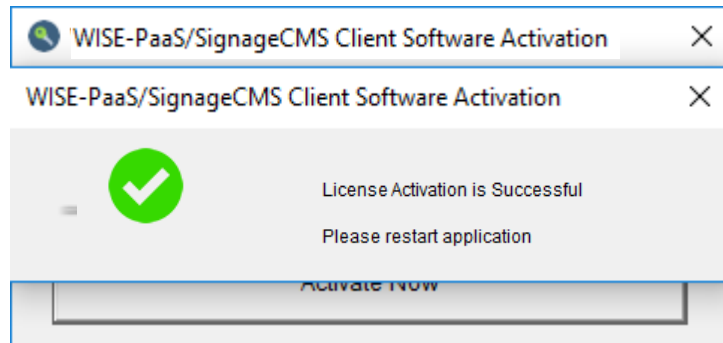


B. Enter the serial number, and click “Activate Now”

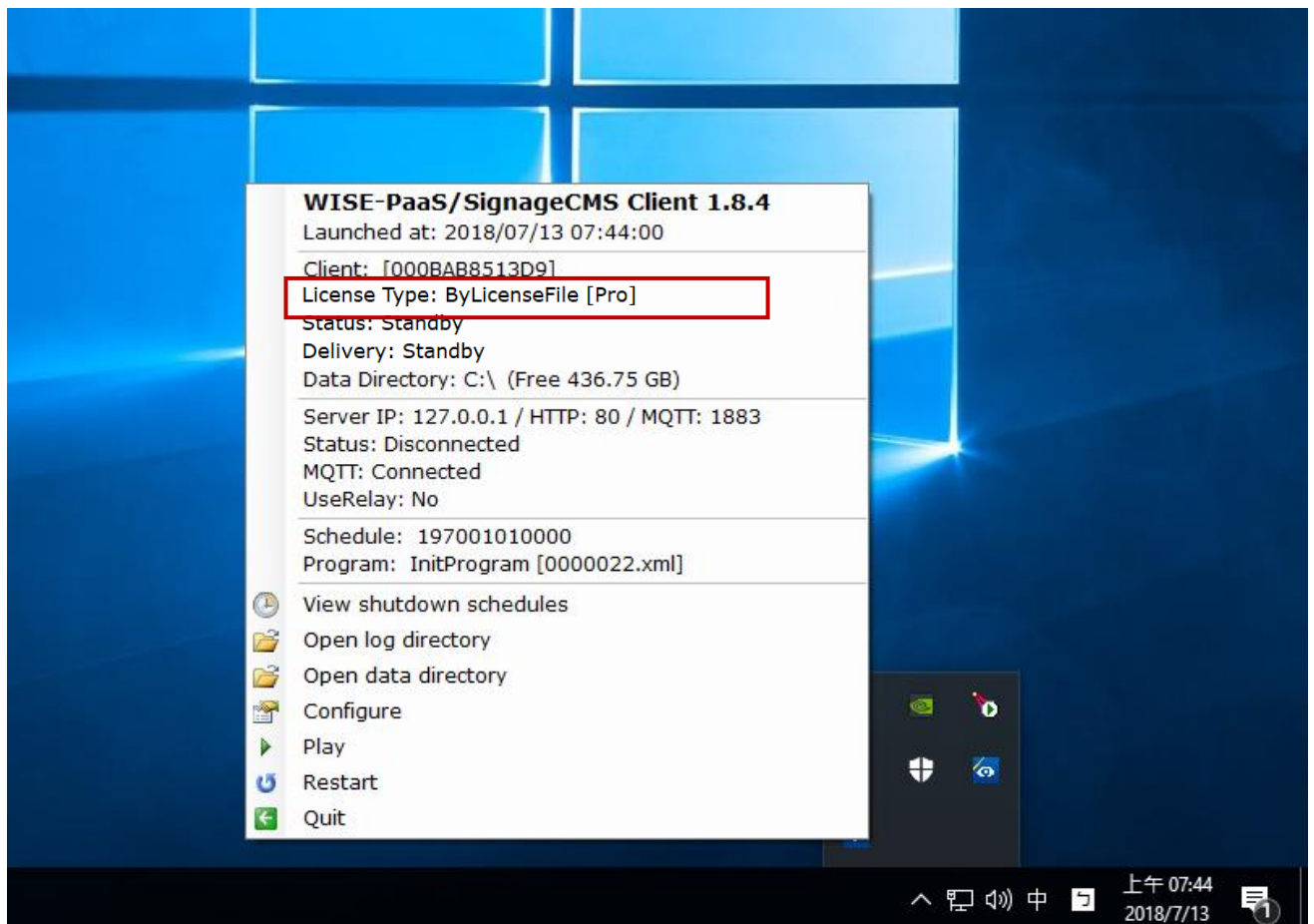


C. Activate the software successfully and reboot the system

- Open Program Files to activate WISE-PaaS/SignageCMS Client (The activated client main program will run automatically after restarting.)

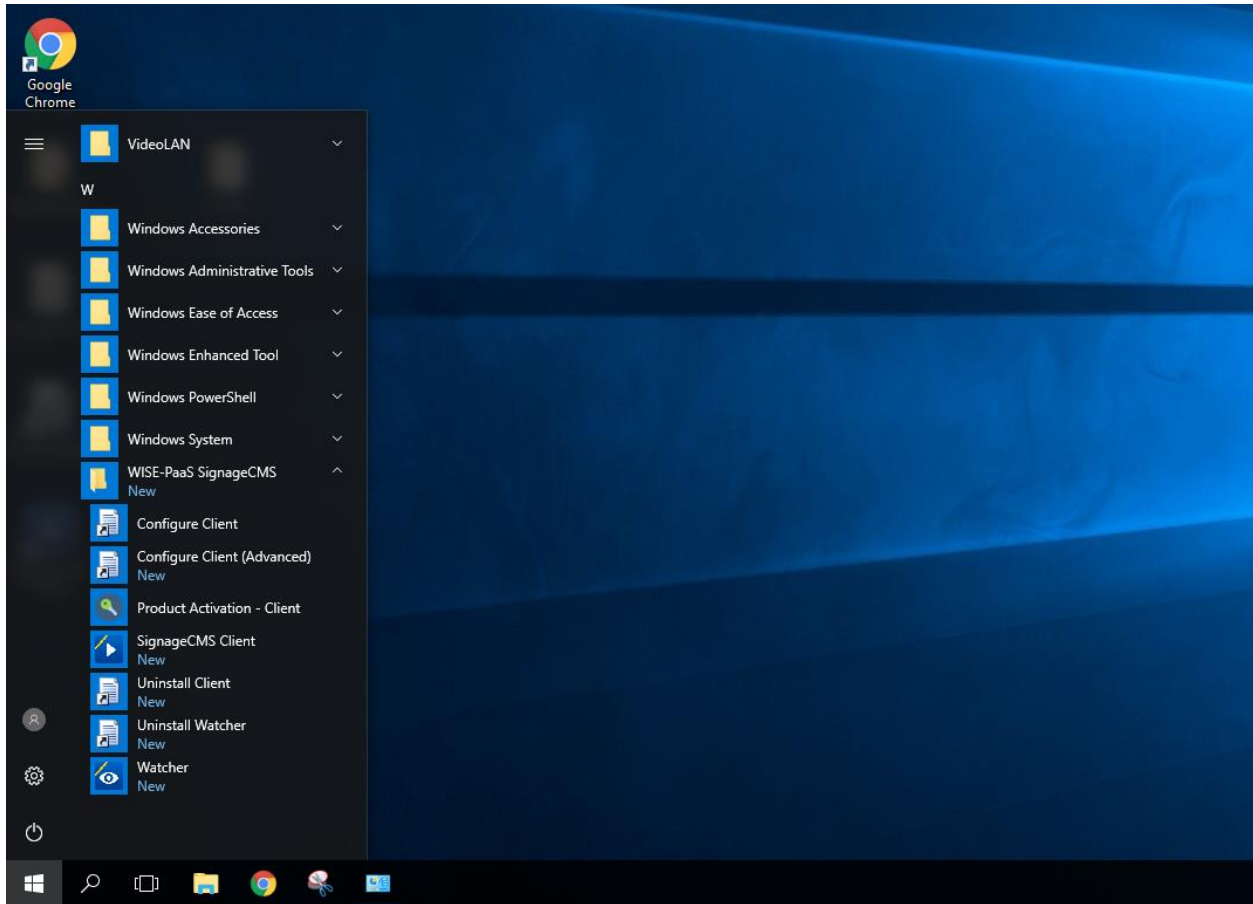
**D. Make sure the client is activated correctly.**

- Open "Program Files" to activate WISE-PaaS/SignageCMS Client (The activated main program will run automatically after rebooting)
- Make sure the client is activated properly: Run main program of WISE-PaaS/SignageCMS Client and right click the Tray icon at the bottom right corner



5. Instructions for Shortcuts of WISE-PaaS/SignageCMS Client

▪ Shortcut locations

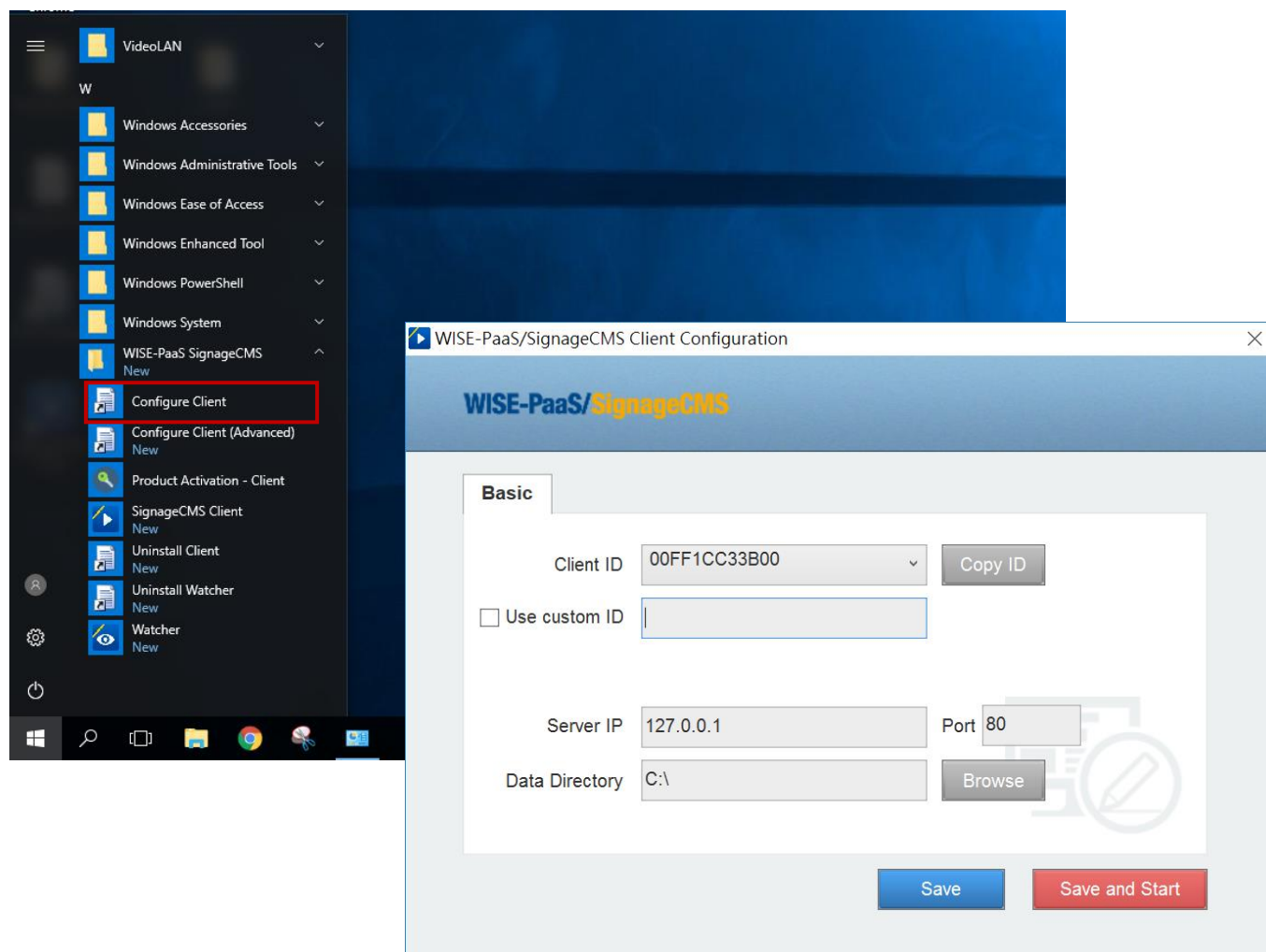


- Configure: Set the client software
- Configure Client (Advanced): Advanced settings of client software are included
- Product Activation – Client: Activate client software online
- WISE-PaaS/SignageCMS Client: Run main program
- Uninstall Client: Uninstall client software
- Uninstall Watcher: Uninstall watcher software
- Watcher: Activate the monitoring program of WISE-PaaS/SignageCMS Client simultaneously.

6. Settings for WISE-PaaS/SignageCMS Client

■ Configure Client

- Taskbar → "WISE-PaaS SignageCMS" → "Configure Client"

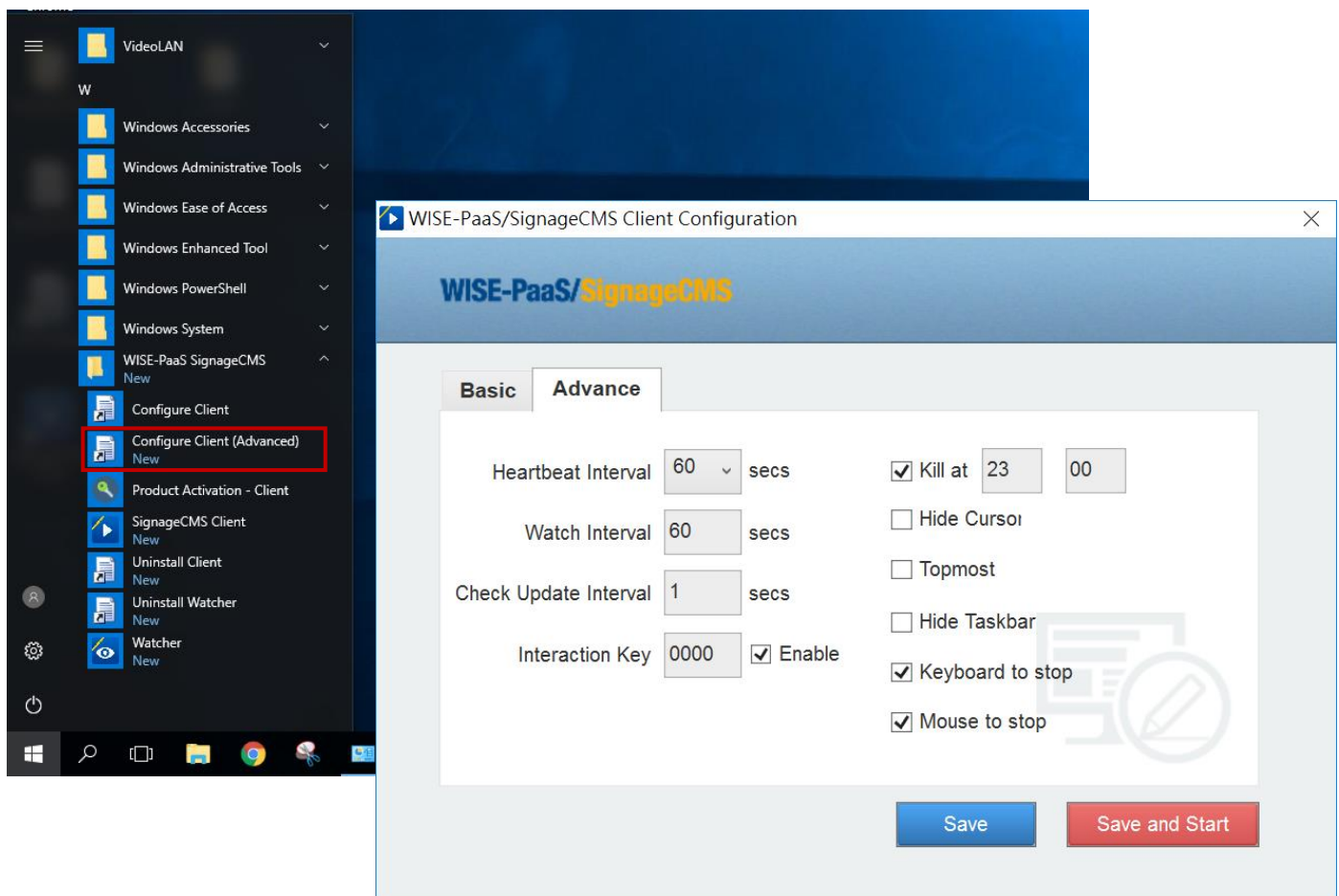


! Please note that to use Intel AMT or Wake on LAN to set power on/off remotely, do not use the custom ID

- Client ID can be the parameter that is used to connect with server, or user can set another parameter by using "Use custom ID" (Optional)
- Server IP: Please enter official IP and port of the server
- Data Directory: For specifying the location where related multimedia files and schedule setting are stored.
- Save: Save and leave the program
- Save and Start: Save and start main program

- Advanced settings

- Taskbar → "WISE-PaaS SignageCMS" → "Configure Client (Advanced)"



- Heartbeat Interval: Send heartbeat message to the server at every fixed time interval set by seconds
- Watch Interval: When the program is closed at "Kill at", it will automatically restart at every fixed time interval set by seconds
- Check Update Interval: Check if there is any update with the server at every fixed time interval set by seconds
- Interaction Key: Enable this function, software will support interaction function, and the four number is the key for activating the function.
- Kill at: Shut down the program automatically at a designated time
- Hide Cursor: Automatically hide the cursor when running the program
- Topmost: The program will always be on the top of the screen when it is running
- Hide Taskbar: Windows Taskbar will be automatically hided when the program is running
- Keyboard to stop: Make "Esc" can stop the Client software.
- Mouse to stop: Make the right-click can stop the Client software.

7. Introduction for the Plug-ins of WISE-PaaS/SignageCMS Client

! If the program contains the following file formats, please install correlated plug-ins (non-preloaded)

- **Video playback**
 - K-Lite (default player) or VLC: Corresponding video playback software needs to be installed, according to the program settings.
- **PDF: Adobe Reader**
- **PPT: ppview97**
- **Flash: Adobe Flash**
- **Chrome: If Chrome is selected as web browser, Google Chrome needs to be installed separately.**

The software mentioned above is free, for more information, please contact relevant personnel.

8. WISE-PaaS/SignageCMS Client Software Update

A. Update the Server version first, this step can refer to the Server Installation Guide

B. Login the server → "System" → "Client Device"

The screenshot displays the WISE-PaaS/SignageCMS interface. At the top, there is a navigation bar with icons for Media, Program, Schedule, Script, Dispatch, and System, along with a Logout button. Below this, the 'System' menu is expanded, showing options for User, Client Device, System Setup, and Statistics Data. The 'Client Device' option is selected, leading to a page titled 'Device'. This page features a table with columns for Status, OS, Name, Overall Schedule, Dispatch Time, Final Connection, Version, and Department. The table contains five rows of device information. To the right of the table, there are buttons for Reload, Power On, New, and Remove.

	Status	OS	Name	Overall Schedule	Dispatch Time	Final Connection	Version	Department
<input type="checkbox"/>	!	Windows	XXX				1.0.0	admin
<input type="checkbox"/>	!	Android	SSS				1.6.4	admin
<input type="checkbox"/>	✓	Windows	VIC			2018-07-27 15:06:48	1.8.4P	admin
<input type="checkbox"/>	!	Android	IYCVJ48NC			2018-07-27 09:36:28	1.0.1	admin
<input type="checkbox"/>	!	Android	CCC				2.2.12	test

C. Select the Device which need to upgrade the software version → Click “Upgrade”

The screenshot shows the WISE-PaaS/SignageCMS interface. At the top, there is a navigation bar with icons for Media, Program, Schedule, Script, Dispatch, and System, along with a Logout button. Below the navigation bar, there is a tabbed interface with 'Device' and 'Group' tabs. The 'Device' tab is active, displaying a table of devices. The table has columns for Status, OS, Name, Overall Schedule, Dispatch Time, Final Connection, Version, and Department. The 'Upgrade' button is highlighted with a red box.

Device	Status	OS	Name	Overall Schedule	Dispatch Time	Final Connection	Version	Department
<input checked="" type="checkbox"/>	!	Windows	XXX				1.0.0	admin
<input checked="" type="checkbox"/>	!	Android	SSS				1.6.4	admin
<input checked="" type="checkbox"/>	✓	Windows	VIC			2018-07-27 15:06:48	1.8.4P	admin
<input checked="" type="checkbox"/>	!	Android	IYCJVJ48NC			2018-07-27 09:36:28	1.0.1	admin
<input checked="" type="checkbox"/>	!	Android	CCC				2.2.12	test

D. After selecting new version, run the software update and click “Confirm” to proceed the update

The screenshot shows the WISE-PaaS/SignageCMS interface. At the top, there is a navigation bar with icons for Media, Program, Schedule, Script, Dispatch, and System, along with a Logout button. Below the navigation bar, there is a tabbed interface with 'Device' and 'Group' tabs. The 'Device' tab is active, displaying a table of devices. The 'Client List' dialog box is open, showing a list of devices with their current OS and version. The 'Upgrade' button is highlighted.

Client List	OS	Version
XXX	Windows 1.7.1	
VIC	Windows 1.7.1	
SSS	Android 1.8.4	
IYCJVJ48NC	Android 1.8.4	
CCC	Android 1.8.4	