






**OMC**

**Software Installation and Initialization  
Guide**

Notices
<ul style="list-style-type: none"> <li>● The reproduction, transmission or use of this document or its contents is not permitted without express written authority.</li> <li>● Information and specifications in this document are subject to change without notice.</li> <li>● While information in this document is well edited and checked, mistake or omission may exist. Please don't hesitate to contact SUPCON if you have any question about this document.</li> <li>● Please contact SUPCON via email "SMS@supcon.com" if you have any question.</li> </ul>

Trademarks
<p>Trademarks or marks SUPCON, SPlant, Webfield, ESP-iSYS, MultiF, InScan, SupField are all registered, registering or using by Zhejiang SUPCON Technology Co., Ltd., which owns the properties of all trademarks or marks above. Without the written authority from Zhejiang SUPCON Technology Co., Ltd, no individual or company shall use any trademarks or marks above. We reserve the right to take legal action for any individual or company using trademarks or marks above illegally.</p>

Symbol Definition	
	<b>WARNING:</b> Indicates information that a potentially hazardous situation which, if not avoided, could result in serious injury or death.
	<b>RISK OF ELECTRICAL SHOCK:</b> Indicates information that Potential shock hazard where HAZARDOUS LIVE voltages greater than 30V RMS, 42.4V peak, or 60V DC may be accessible.
	<b>ESD HAZARD:</b> Indicates information that Danger of an electro-static discharge to which equipment may be sensitive. Observe precautions for handling electrostatic sensitive devices
	<b>ATTENTION:</b> Identifies information that requires special consideration.
	<b>TIP:</b> Identifies advice or hints for the user.

# Table of Contents

<b>OMC Software Installation and Initialization Guide .....</b>	<b>1</b>
<b>Section 1 About This Manual.....</b>	<b>1</b>
<b>Section 2 Installation Requirements .....</b>	<b>2</b>
2.1 Hardware Requirements.....	2
2.2 Software Requirements .....	2
<b>Section 3 Installation.....</b>	<b>3</b>
3.1 Must-Knows before Installation.....	3
3.1.1 General Installation .....	3
3.1.2 Connecting with Third-Party DCS.....	3
3.2 Prerequisites .....	4
3.2.1 Checking OS .....	4
3.2.2 Checking Whether to Install DCOM.....	4
3.2.3 Checking Whether to Install .net Framework 3.5.....	5
3.3 Installing OMC Software .....	5
3.4 Checking Installation Result .....	8
<b>Section 4 Initialization.....</b>	<b>10</b>
4.1 High-performanceHMI .....	10
4.1.1 Configuration Server .....	10
4.1.2 Non-Configuration Server.....	11
4.2 Basic Intelligent Platform .....	11
4.3 BatchControl.....	11
4.4 VisualAI .....	12
4.5 Integrity.....	13
4.6 IDM.....	13
4.7 AlarmManagement .....	14
4.8 Pilot .....	14
4.8.1 Intelligent Application Center .....	14
4.8.2 Non-Intelligent Application Center .....	15
4.8.3 All Roles .....	15
4.9 PredictiveControl .....	15
4.10 LoopOptimization.....	16

4.11 GrayScreen.....	16
4.12 SEMonitor.....	16
4.13 Configuring Allowlist Path .....	17
4.13.1 Kaspersky.....	17
4.13.2 VxDefender .....	17
<b>Section 5 Modify .....</b>	<b>18</b>
<b>Section 6 Uninstallation .....</b>	<b>19</b>
<b>Section 7 Appendix A Software License .....</b>	<b>21</b>
<b>Section 8 Appendix B Configuring OPC UA Server.....</b>	<b>22</b>
<b>Section 9 Revision History .....</b>	<b>23</b>

# OMC Software Installation and Initialization Guide

## **Section 1 About This Manual**

---

This manual introduces the installation requirements, licensing, installation, initialization, and uninstallation of OMC software.

## Section 2 Installation Requirements

This section introduces the software and hardware requirements for installing OMC software.

### 2.1 Hardware Requirements

In OMC system, hardware devices should follow the requirements listed in the table below. If one device takes up several roles, it should cover the highest hardware requirements.

**Table 2-1 Hardware requirements**

Item	CFS, IES, IOS*	IAC
CPU	4 cores, 4 threads, 3.2 G	8 cores, 16 threads, 2.8 G
RAM	16 G, DDR4	64 G, DDR4
Hard Disk	1 TB	1 TB
NIC	3 Gigabit NICs	3 Gigabit NICs
Graphics Card	2 G dedicated graphics card	2 G dedicated graphics card

\*When using PredictiveControl and LoopOptimization components, please adjust the hardware as needed. For details, contact our personnel.

### 2.2 Software Requirements

This part introduces the compatible operating systems and software supported by OMC.

**Table 2-2 Software requirements**

Item	OS	Patch	Language	Type
OS	Windows 10 Enterprise LTSC 2019 <sup>Note 1</sup>	—	English	64 bits
	Windows 10 Enterprise LTSC 2021 <sup>Note 1</sup>	—	English	64 bits
	Windows Server 2019 <sup>Note 1</sup>	—	English	64 bits
	Windows Server 2022 <sup>Note 1</sup>	—	English	64 bits
Office software	Office 2021 <sup>Note 2</sup>			
Browser	Chrome			
Antivirus Software	Kaspersky, VxDefenderStd, VxDefenderPro			

Note 1:

- For IAC, install Windows Server 2019/2022 OS.
- For CFS, IES, and IOS, use Windows 10 Enterprise LTSC 2019/2021.

Note 2: If a device serves as the report server of High-performanceHMI and involves Excel reports during use, install Office on that device.

## Section 3 Installation

### 3.1 Must-Knows before Installation

Before installation, you should understand how "roles" are defined as well as their corresponding responsibilities in OMC system. After the project design and planning are finished, you can install the OMC components on different hosts.

#### 3.1.1 General Installation

Generally, the master computer of the OMC system can serve as one or multiple roles, and the components that each role can install with are shown in the following table.

**Table 3-1 Relationship between roles and OMC components**

Role	Components
Configuration Server (CFS)	Required: High-performanceHMI(Configuration Server Mode) Optional: PredictiveControl (I), VisualAI, BatchControl Silent installation*: IDM (client), Pilot (client), GrayScreen
Intelligent Engineer Station (IES)	Required: High-performanceHMI(Non-Configuration Server Mode) Optional: PredictiveControl (I), VisualAI, BatchControl Silent installation: IDM (client), Pilot (client), GrayScreen
Intelligent Operation Station (IOS)	Required: High-performanceHMI(Non-Configuration Server Mode) Optional: PredictiveControl (I), VisualAI, BatchControl Silent installation: IDM (client), Pilot (client), GrayScreen
Intelligent Application Center (IAC)	Required: Basic Intelligent Platform, High-performanceHMI(Non-Configuration Server Mode) Optional: BatchControl, Integrity, IDM, PredictiveControl (II), LoopOptimization, Pilot (Server & client), AlarmManagement, WebSight, System Environmental Monitor (SEMonitor) Silent installation: GrayScreen

\*Required but not displayed in the installation interface.

#### 3.1.2 Connecting with Third-Party DCS

When it is necessary to connect OMC with a third-party DCS to monitor the operation of that system, the master computer of the OMC can serve as an IES and/or an IAC. The roles and corresponding components are detailed in the table below.

For configuration details on connecting OMC with a third-party DCS system, please refer to *Integration of OMC and Third-Party DCS*.

Role	Components
IES	Required: Autonomous Operation Client Optional: PredictiveControl (I)
IAC	Required: Basic Intelligent Platform (contain Collector (with OPC DA/UA drive)), Autonomous Operation Client Optional: PredictiveControl (II), LoopOptimization, Pilot, AlarmManagement

## 3.2 Prerequisites

Before installation, make sure the installation and operation requirements have been met.

### 3.2.1 Checking OS

Make sure:

1. You have installed a compatible OS for each individual role.
2. You have configured the OS as specified in Operation System Installation Guides.
3. You have installed necessary software (such as Office, browser, antivirus software) according to "Software Requirements".

### 3.2.2 Checking Whether to Install DCOM

When a computer of some role serves as the OPC server and requires OPC DA or A&E functions, configure DCOM for this computer.

For how to configure DCOM, refer to *DCOM Configuration Guide*.

### OPC Function List

In OMC, OPC functions supported by different components are shown in the table below.

**Table 3-2 OPC function list**

Component	Service Type
OMC High-performanceHMI, OMC IDM, OMC AlarmManagement	OPC DA, OPC A&E, OPC UA
OMC GrayScreen	OPC DA, OPC A&E
OMC PredictiveControl	English version: OPC DA Chinese version: OPC UA
OMC Pilot	OPC DA
OMC Integrity	OPC UA

---

**Tips:**



- All roles in the OMC have OPC capabilities. When using the OPC services, it is recommended to configure an appropriate OPC server based on the actual load.
  - DCOM is not required when component is accessing OPC DA server of the local host.
-



### 3.2.3 Checking Whether to Install .net Framework 3.5

When using "Device DTM" function of IDM on non-IAC equipment, please install Microsoft .net Framework 3.5 first by following the steps below.

#### Steps

1. Open **Tools > net framework > net35** from the disk.
2. Copy the compatible "sxs" folder to Disk D. If you want to store the folder to another disk, change the command line. Enter "Dism /online /enable-feature /featurename:NetFX3 /All /Source:D:\sxs /LimitAccess" in the Command Prompt.
3. Press Enter key, then the system will automatically install .net Framework 3.5.
4. Select **Start > Windows Administrative Tools > Services** to open Services window.
5. Right-click **World Wide Web Publishing Service** and then click **Properties**.
6. On the pop-up window, set **Startup** type to **Disabled**.
7. Click **OK** to exit the window.

## 3.3 Installing OMC Software



#### Attention:

For non-first-time installation, if the software detects any remaining PostgreSQL database data, a prompt indicating whether to delete the data will appear. Please choose according to the actual situation.

The PostgreSQL database mainly stores some process data and will not lose important project information. However, it may affect certain computing speeds. For example, if deleted, the PID tuning might require more time for processing the data.



#### Tip:

- If the computer is installed with VxDefender, please use the software installation tracking function in VxDefender to install OMC.
- When installing both OMC software and SafeConrix software simultaneously, it is necessary to install the OMC first before installing the SafeConrix.

#### Steps

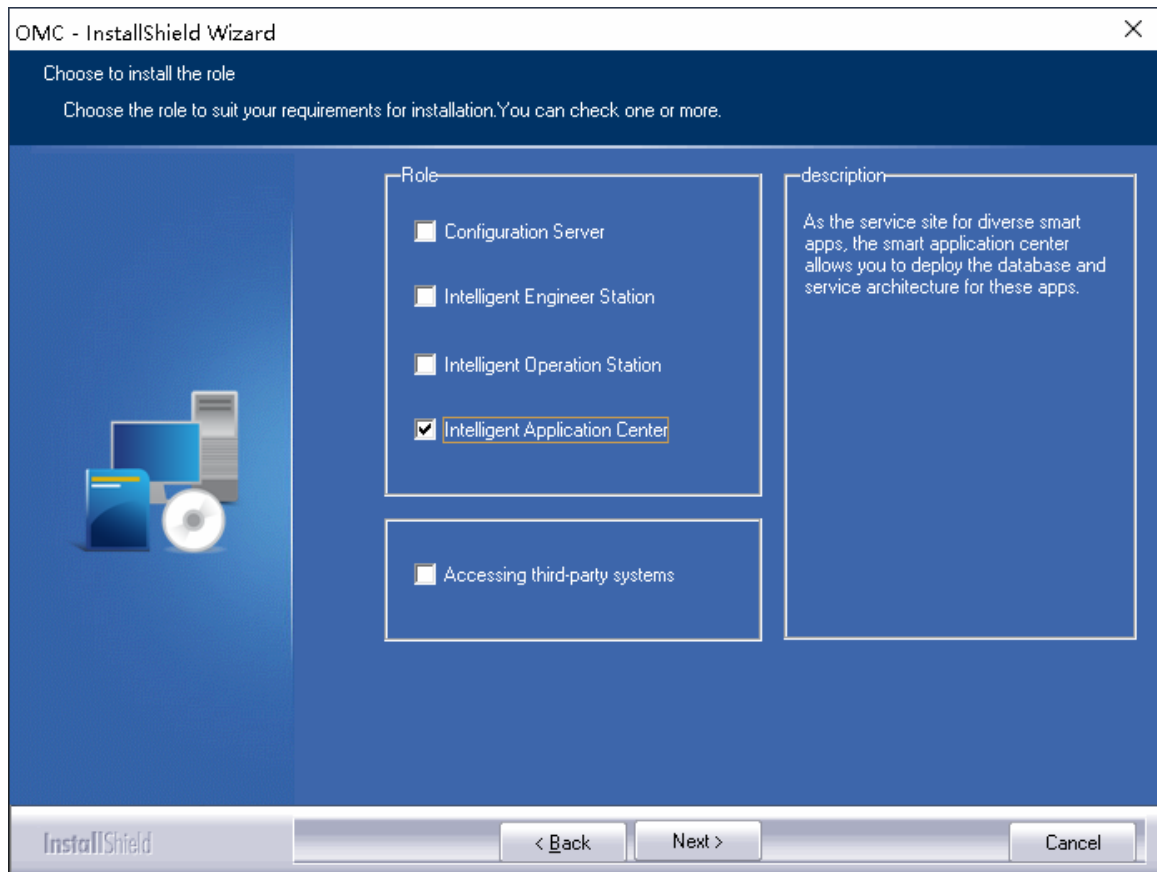
1. Open the installation package, and double-click "setup.exe" to open the wizard.
2. Select the language as **English (United States)**, and click **Next**.
3. In the welcome window, click **Next** to open the License Agreement window.
4. Select **I accept the terms of the license agreement** checkbox to enter **Customer Information** window, as shown in Figure 3-1.
5. Enter **User Name** and **Company Name**, which are same as the username and company registered during installing the OS.

**Figure 3-1 Enter username and company name**

6. Click **Next**, and select a role for the current computer. See Figure 3-2.

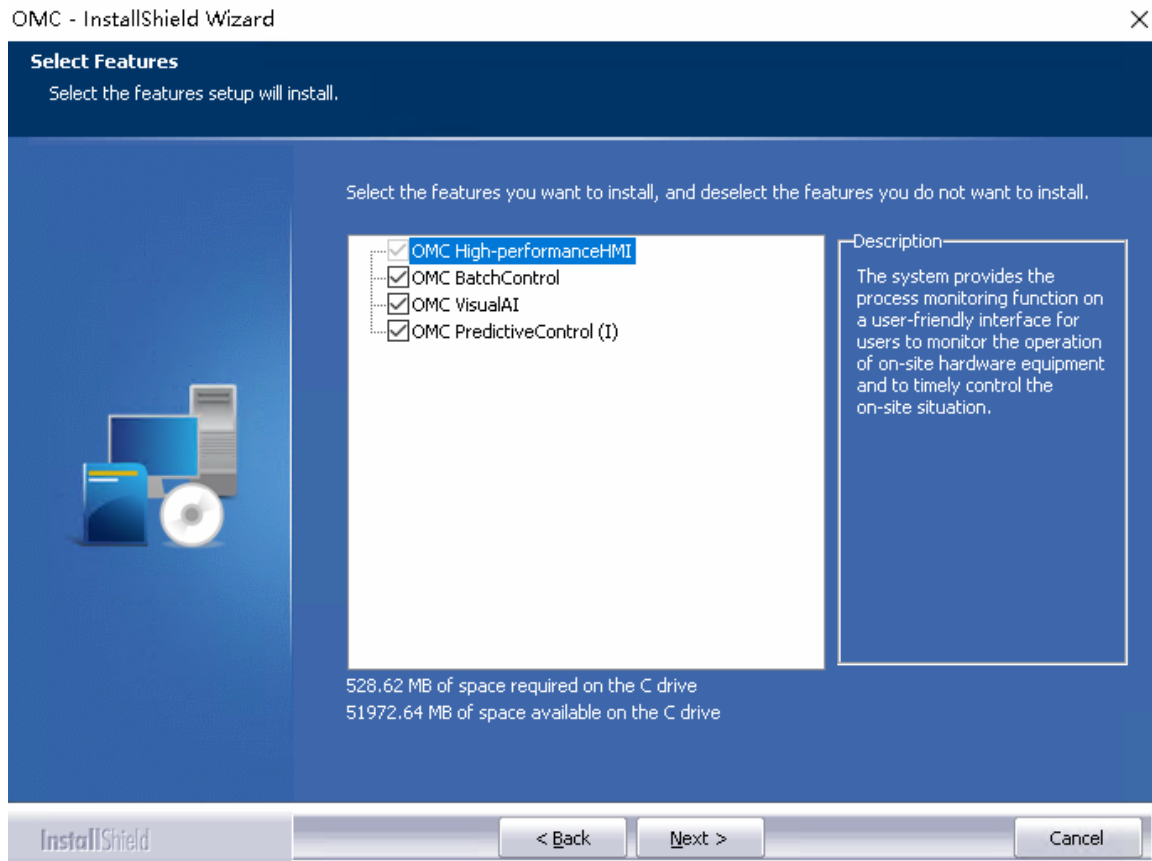
Read Must-Knows before Installation carefully before proceeding.

If OMC is integrated with a third-party DCS, select **Accessing third-party system** and then select the roles. Otherwise, just select the roles.



**Figure 3-2 Select the components**

7. Click **Next**, and select the components to be installed.



**Figure 3-3 Select the components**

8. Click **Next**, and select the installation path for the programs. The default path is "C:\OMC".
9. Click **Next**, and select a path for the configuration database. The default path is "D:".
10. Click **Next**, and click **Install**.
11. After installation, restart the computer immediately.



**Tip:**

If the system prompts software does not exist, please find the corresponding folder of that component in "Setup > other" of the installation package, and manually install it. For relationship between roles and component functions, refer to "Must-Knows before Installation".

### 3.4 Checking Installation Result

After installation, the shortcuts of OMC software will appear on the desktop and start menu. See table below.

**Table 3-3 OMC shortcuts**

Shortcut \ Role		Configuration Server (CFS)	Intelligent Engineer Station (IES)	Intelligent Operation Station (IOS)	Intelligent Application Center (IAC)
Start > OMC	System Global Settings	√	√	√	√
	VFSysBuilder	√	—	—	—
	VFExplorer	√	√	—	—
	Intelligent Application Management	√	√	√	√
	VFLaunch	√	√	√	√
	Manual	√	√	√	√
Desktop	VFSysBuilder	√	—	—	—
	VFExplorer	√	√	—	—
	Intelligent Application Management	√	√	√	√
	VFLaunch	√	√	√	√

## Section 4 Initialization



### Tips:

1. This section guides you through the initialization process so as to help you quickly set up the software.
2. Please learn about the functions of OMC components before initialization.
3. For functions and usage of "Intelligent Application Management" software, refer to *OMC Intelligent Application Management Software User Manual*.

### 4.1 High-performanceHMI

#### 4.1.1 Configuration Server

1. Select **Start > OMC > System Global Settings**. In VFSetup software, click **Configuration** tab, select **Local node is configuration server**.
2. Open VFSysBuilder software from start menu.
3. Create a project, and configure the system structure, including control domain, operation domain, user and authority.
4. Under the operation domain, configure roles and monitoring settings for all nodes. See table below.

Item	Description	
Role Config	Smart Control Center	For single operation domain, only one IAC master server and multiple IAC sub-servers are allowed (which is equivalent to the role "Intelligent Application Center"). Select <b>Smart Control Center</b> for the node that serves as the IAC. Note: do not change the computer name after the OS has been installed.
	Batch Server	For single operation domain, only two Batch Servers are allowed. Select <b>Batch Server</b> for the node that serves as the batch control server and set a name for it.
Monitor Config	Configure if the <b>Run Management</b> screen, screens under <b>Smart Applications</b> node, and <b>VisualAI (floating)</b> can be displayed in the HMI screen. Select a node to enable it.	

5. Under the **Global Default Settings**, configure the user service address. The address is usually the main server address of the intelligent application center.
6. Configure the High-performanceHMI component and then publish the configuration and start HMI.



**Tips:**

- When using online publish, you need to restart the monitoring software to make the changes take effect.
- For how to use VFSysBuilder, refer to *Project Guide for High-performanceHMI*.

#### 4.1.2 Non-Configuration Server

On a non-configuration server, follow the steps:

Select **Start > OMC > System Global Settings**. In VFSetup software, click **Configuration** tab, and set the **Configuration Server Address**.

### 4.2 Basic Intelligent Platform

After you have set up and published the configurations, as well as started HMI, do the following in Intelligent Application Management software:

- 1) Open Intelligent Application Management software, select Basic Intelligent Platform from the navigation tree.
- 2) Enable Operation and Management Service and Data Service.

Tip: If OMC is accessing a third-party system and utilizing OPC UA, the OPC UA Service should be enabled.

Note: Please refer to Appendix B in Section 8 for configuring the OPC UA service before enabling it.

### 4.3 BatchControl

Before setting up the BatchControl component, confirm where the batch control servers are. In one operation domain, there could be 2 batch control servers at most. To set up the BatchControl component:

1. On the configuration server PC, open VFSysBuilder. On the configuration page of the corresponding operation node, select **Batch Server** and set server name.
2. On the batch control server PC, select **Start > OMC > Intelligent Application Management**. Click **BatchControl**, and enable **Recipe Server**.

Tip: Computer that is serving as the batch control server should have **Recipe Server** enabled. Normally, Recipe Web Server is not enabled. Only when the system is connecting with a

third-party MES/ERP/SAP system or using PDA, should **Recipe Web Server** be enabled.

3. After configuration, you can open Order Management, Schedule Management, and Batch Management screen through **Smart Control** in HMI software. For details on these screens, refer to the corresponding user manuals.

## 4.4 VisualAI

You can apply VisualAI in two scenarios.

### Integrating VisualAI onto Graphics Screen

To enable the VisualAI control, you need to modify the configuration file on the computer where the control is installed.

1. Find VFDraw.ini file in the OMC installation path. The default path is "C:\OMC\VisualField4\".
2. Open VFDraw.ini with a notepad software. Search for "Name="ActiveX"", as shown in Figure 4-1.
3. Change the number after "Used" to "1", which means Enable. Save the changes and close the window.

```
[ControlPanelSettings29]
IsOcx=0
CLSID={8AD45D29-6395-4D72-89FF-49BC97EB9521}
Hint=_VFSTRING_VFDRAWINI_ACTIVEX
Desc=_VFSTRING_VFDRAWINI_ACTIVEX
Name="ActiveX"
TypeIndex=1
Used=1
```

*Figure 4-1 Configuration of VFDraw control properties*

### Adding a Floating Shortcut Key to the Real-time Monitoring Screen

On the configuration server, open VFSysBuilder. Under the corresponding operation node, select **Visual AI**.




## 4.5 Integrity



**Tip:**

After you have enabled the data service of integrity, right-click its icon from the system tray and click Auto Run to allow it to automatically run at system startup. Otherwise, you need to manually start it each time you restart the configuration server.

1. Open Intelligent Application Management software from desktop or start menu.
2. On the upper-right corner of Intelligent Application Management software, click  > **Tool** and enable **Integrity Component Data Service**.
3. Go to the operation pane of Integrity in Intelligent Application Management.
4. Click to enable **Service Processing**.



**Tips:**

- After you have restarted the IAC, you need to restart the service.
- In the operation pane of Integrity in Intelligent Application Management, click Open Client to open its client.

## 4.6 IDM



**Tips:**

In the operation pane of IDM in Intelligent Application Management, click Open Client to open its client.

### Initial Settings

1. Open Intelligent Application Management software from desktop or start menu. Click **IDM**.
2. Enable **Application Service**.

Note: if the default server is an appliance server, you can change it to a center server in the client.

### Switching between Appliance and Center Server

After IDM component is installed, the server defaults to an appliance server. To switch it to a center

server:

1. In center server, open Intelligent Application Management software from desktop or start menu. Click **IDM** and then click **Open Client**.
2. Click **IDM Tool** to open its configuration window.
3. Switch to **Config Tool** tab, and click **Switch to Center Server**.

Tip: Configurations under other tabs are for maintenance. For details, contact maintenance personnel.

## 4.7 AlarmManagement

1. Open Intelligent Application Management software from desktop or start menu. Click **AlarmManagement**.
2. Enable **Alarm Management Service** under IAC.
3. In AlarmManagement software, configure the firewall ports.
  - Service: 13900–13999
  - Database: 3060 (optional, set this port only when the storage and computing services are not on the same computer)
  - Mail port: 25 (optional, set this port only when sending emails of alarm statistics is required)



---

**Tip:**

- After the service is started in Intelligent Application Center, you should add a path to "Trust Path" of VxDefender (default path: D:\AlarmManagement4.0).
  - In HMI, click Run Management button, and select AlarmManagement for further operations.
- 

## 4.8 Pilot

### 4.8.1 Intelligent Application Center

1. Open Intelligent Application Management software from desktop or start menu. Click **Pilot**.
2. Click **Basic Setup** and set the IP for data server and web server, which must both share the same IP as Intelligent Application Center.
3. On Intelligent Application Management software, enable **Pilot Service**.

- Click **Pilot Client** and then configure the permissions for system admin and other roles.



**Attention:**

The IP of web server should be strictly consistent with the address of Intelligent Application Center. Do not set the number of servers more than the actual configuration.

---

## 4.8.2 Non-Intelligent Application Center

Required configuration: Open Intelligent Application Management software from desktop or start menu. Click **Pilot**. Click **Basic Setup** and select **Client Setup** tab. Configure the server address (that is the IP of Intelligent Application Management).

Optional configuration: If TODOLIST control is used in graphics, you should configure **Data Server** address (that is the IP of Intelligent Application Management) in **Basic Setup**.

## 4.8.3 All Roles

All roles can access the Pilot component through the following method. For details on its functions, refer to the user manuals of the component.

Open Intelligent Application Management software from desktop or start menu shortcut. Start **Pilot**. Click **Pilot Client**.

## 4.9 PredictiveControl

Prerequisite: You have published the configuration on OMC High-performanceHMI.

**Tips:**



- If the IP of Intelligent Application Center has changed, please reload the project after re-publishing the configuration.
  - IES or IOS always serves as the predictive control server.
- 

- Open the operation pane of PredictiveControl in Intelligent Application Management.
- Enable **Data Service** and **PredictiveControl Service** under a non-IAC node.
- Enable **PredictiveControl Service** under IAC.
- After enabling the service, refer to the user manual of the PredictiveControl component for instructions on how to use its functionality



---

**Tips:**

After you have restarted the IAC, restart this service manually.

---

## 4.10 LoopOptimization

1. Open the operation pane of LoopOptimization in Intelligent Application Management.
2. Enable LoopOptimization service.



---

**Tip:**

For all roles, you can open the operation pane of LoopOptimization from HMI > Smart Control > LoopOptimization. For details, refer to the component manuals.

---

## 4.11 GrayScreen

To use GrayScreen:

- 1) Open **Intelligent Application Management > GrayScreen**.
- 2) Enable GrayScreen for all nodes.

## 4.12 SEMonitor

To use SEMonitor:

- 1) Open **Intelligent Application Management > System Environmental Monitor**.
- 2) Enable SEMonitor services under IAC.
- 3) Click **Open Client** to open SEMonitor.

## 4.13 Configuring Allowlist Path

### 4.13.1 Kaspersky

When deploying the OMC software and Kaspersky on the same computer, to ensure the proper functioning of the software, it is necessary to follow Kaspersky's requirements and import the OMC allowlist file into its trusted application list. The OMC allowlist file (.xml) is located in the software installation package under the **Tools > Kaspersky** path.

For detailed instructions on how to use Kaspersky, please refer to its user manual.

### 4.13.2 VxDefender

When OMC software is installed on the same computer as VxDefender, to ensure the normal operation of OMC, please according to the requirements of VxDefender, add the file paths of OMC related program files and configuration files to the allowlist of VxDefender through its "Scan All Disks" "Software Installation Tracing," or "Append Scan" functions.

Please refer to VxDefender user manual for detailed information about the features and usage instructions.

## Section 5 Modify

---

To add initially unselected components or remove already installed components in a certain role device after installing the OMC software, follow the steps below:

- 1) Open the software installation package and double-click the **setup.exe** to run the installer. Click "Modify" in the opened interface.
- 2) In the popped-up component selection interface, reselect or deselect (remove) the desired components. Click "Next."
- 3) Follow the provided instructions until the process is completed.



---

**Tip:**

When removing components, the handling of prompt messages can be referred to in the "Uninstallation" section of this document.

---

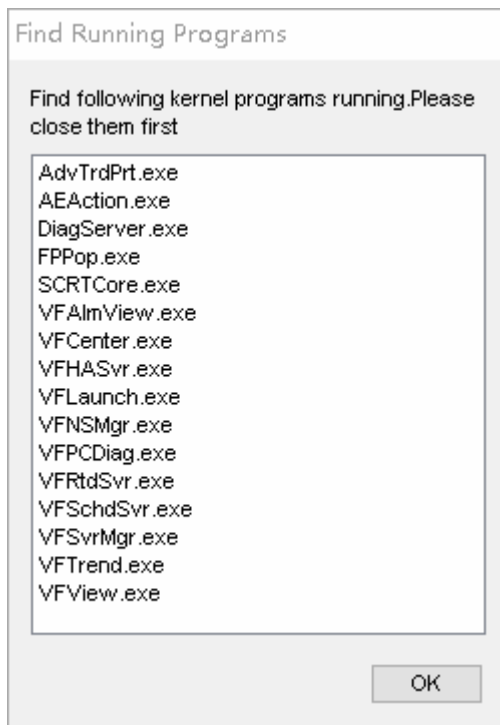
## Section 6 Uninstallation



### Attentions:

- Before uninstalling OMC software, please stop the real-time protection of antivirus software (such as VxDefender) in case of uninstallation failure.
- Before uninstalling, back up important configuration data as needed.
- After installing the software, double-click the installation program file again, and in the opened interface, click 'Remove' to uninstall the software.

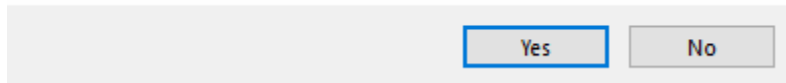
1. Select **Window System > Control Panel** from the start menu. Click **Programs** to open **Uninstall or change a program**. Select **OMC** from the list and click **Uninstall**. The program will automatically detect the running programs. See Figure 6-1.



**Figure 6-1 Find running programs**

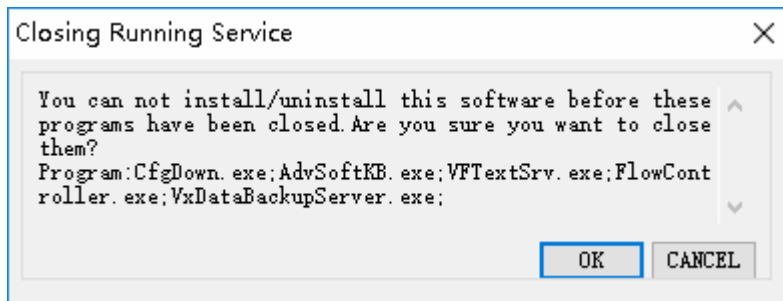
2. Click **OK** to close these programs and continue uninstallation. On the InstallShield Wizard window, click **Yes**.

Do you want to completely remove the selected application and all of its features?



**Figure 6-2 Confirm uninstallation dialog box**

3. If some running services are not closed during uninstallation, Figure 6-3 will pop up. Click **OK** to close them.



**Figure 6-3 Closing running service window**

4. In the prompt box indicating whether to keep user configurations (including component start/stop status, logs, etc.)," select based on your actual needs.

Note: If you choose to keep the configurations, the data will remain the same as before the uninstallation after reinstalling the software.

5. After uninstallation, the system will prompt you to restart your computer.




---

**Tip:**

If any component is not uninstalled, please manually uninstall it in the Control Panel. For relationship between roles and component functions, refer to "Must-Knows before Installation".

---



## Section 7 Appendix A Software License

We offer dongle-based licensing for OMC software. If you have no license, the functions of OMC are limited.

**Table 7-1 Limited functions**

Component	Description
OMC Basic Intelligent Platform	Trial period: 2 hours
OMC High-performanceHMI	Trial period: 2 hours
OMC BatchControl	Configuration period: number of recipes or unit devices is limited Monitoring period: trial period is 2 hours
OMC VisualAI	Trial period: 2 hours After 2 hours, the video screen will be closed in both HMI and VisualAI.
OMC IDM	Without license: <ul style="list-style-type: none"> <li>● Center server: cannot be used if without license</li> <li>● Equipment server: 25 instruments is accessible for 2 hours at most</li> <li>● Client: allows access for 1 user</li> <li>● Data opening SDK: OPC parameter access is denied</li> </ul>
OMC Integrity	Trial period: 2 hours, only one project is accessible
OMC AlarmManagement	Trial period: 2 hours
OMC WebSight	Trial period: 2 hours
OMC PredictiveControl	cannot be used if without license
OMC LoopOptimization	When initially and continuously unlicensed, the software can be used for a trial period of 2 hours. If the authorization expires during usage, it will become unusable after 2 minutes
OMC Pilot	Trial period: 2 hours
OMC GrayScreen	Trial period: 2 hours
OMC SEMonitor	cannot be used if without license

## Section 8 Appendix B Configuring OPC UA Server

---

Before enabling the OPC UA service for OMC to communicate with the third-party system, it is important to confirm or modify the server parameters to align with the actual requirements.

1. Double-click to open the VxUAServerCfg.txt file, located in the software installation path of the Intelligent Application Center (main server). Default path: OMC \ Platform \ VxUAServer.
2. The ports and data sources in the VxUAServerCfg.txt file may need to be modified according to the actual situation. The default data sources are all local.

**Code:**

```
{  
  "uaPort":8888,  
  "discoveryPort":4840,  
  "cfgServer":"127.0.0.1:17107"  
  "rtdServer":"127.0.0.1:17100"  
}
```

**comments:**

- "uaPort" is the network port used by the OPC UA server to provide services, with a default value of 8888, which generally does not need to be changed.
  - "discoveryPort" is the port used for OPC UA discovery services, with a default value of 4840, which generally does not need to be changed.
  - "cfgServer" is the IP address and port (17107) of the device serving as the configuration source. The device can be the main server or an extension server of the Intelligent Application Center, and the port does not need to be changed.
  - "rtdServer" is the IP address and port (17100) of the device serving as the real-time data source. The device can be the main server or an extension server of the Intelligent Application Center, and the port does not need to be changed.
3. If you have made changes to the information, save the file after completing the modifications.

## Section 9 Revision History

---

*Table 9-1 Revision history*

Version	Applicable Software	Remarks
V1.0 (20230407)	OMC V1.1.0	First release.
V1.1 (20230922)	OMC V1.2.0	Added descriptions for new components.