



Announcement of support of UNICORN 5.31 / PrimeView 5.31 on Windows 10 OS

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April 17, 2018

Announcement of support of UNICORN™ 5.31 / PrimeView™ 5.31 on Windows® 10 OS

Dear all,

This is a follow-up to the UNICORN 5.x discontinuation announcement we made earlier this year. Based on the business needs for ÄKTExpress, ÄKTApriime plus, ÄKTA™ OligoPilot™ plus 10, ÄKTA OligoPilot plus 100, OligoPilot 400, and OligoProcess™, we hereby announce the support of **UNICORN 5.31 / PrimeView 5.31** (both referred to as **UNICORN 5.31** in this letter) on Windows 10 OS (Microsoft Corp.).

We have successfully verified the installation of UNICORN 5.31 on Windows 10 Pro (x86 and x64). Key things to note regarding installation are:

- The required .NET version 3.5 for UNICORN 5.31 and the default .NET version 4 for Windows 10 OS should be enabled.
- When an alert message about incorrect OS is displayed, accept and continue.

Performance of UNICORN 5.31 on Windows 10 OS was verified on the following systems:

- ÄKTExpress
- ÄKTApriime plus
- ÄKTA OligoPilot plus 10
- ÄKTA OligoPilot plus 100
- OligoPilot 400
- OligoProcess

Support of UNICORN 5.31 on Windows 10 OS is limited to these systems only. No additional issues besides the known issues and limitations of UNICORN 5.31 on Windows 10 OS were observed.

Detailed installation steps as well as known issues and limitations of UNICORN 5.31 on Windows 10 OS can be found in the attachment to this letter.

Please reach out to us if you have any questions.

Kind regards,

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Installation guide for UNICORN™ 5.31 SP3 and PrimeView™ 5.31 on Windows® 10 Pro (x86 and x64)

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1. Introduction

UNICORN 5.31 SP3 is currently supported on Windows 7 operating system. In short, however, Microsoft is terminating the support of Windows 7 operating system. As ÄKTExpress, ÄKTPrime plus, ÄKTA OligoPilot plus 10, ÄKTA OligoPilot plus 100, OligoPilot 400, and OligoProcess systems will continue to be available for purchase, there is a need for continued support of these products. Hence, UNICORN 5.31 and PrimeView 5.31 are supported on Windows 10 OS. There is no defect fix or feature enhancement conducted for the existing UNICORN 5.31 SP3 software. However, UNICORN 5.31 SP3 and PrimeView 5.31 have been verified on Windows 10 OS and is supported for the ÄKTExpress, ÄKTPrime plus, ÄKTA OligoPilot plus 10, ÄKTA OligoPilot plus 100, OligoPilot 400, and OligoProcess systems.

1.1. Purpose

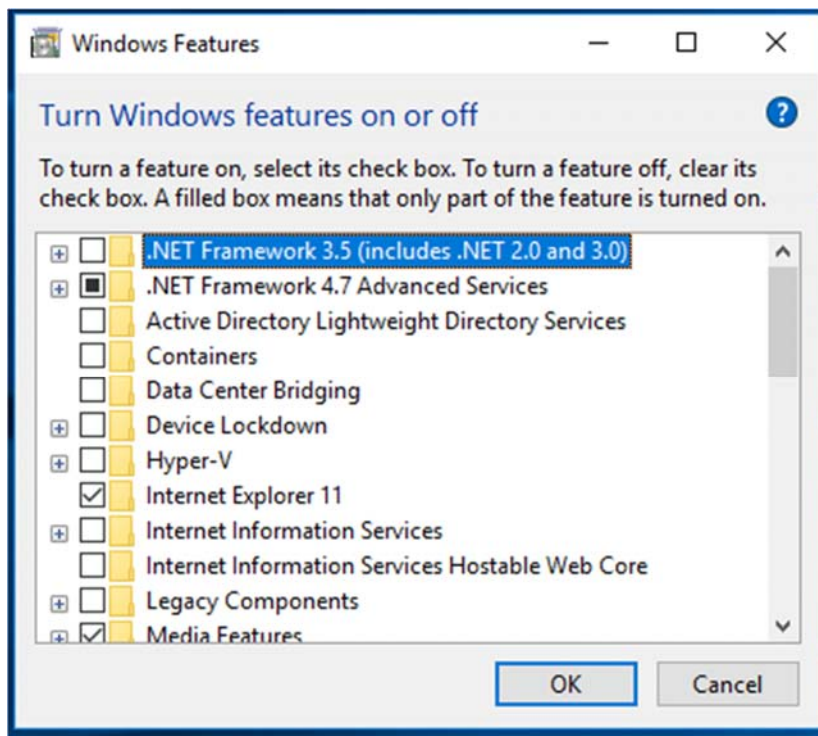
The purpose of this document is to describe the installation steps for UNICORN 5.31 SP3 and PrimeView 5.31 on Windows 10 Pro (x86 and x64). This document also covers the known issues found during the software testing on Windows 10 along with work-arounds.

2. Prerequisites

The following prerequisites are valid for installation of UNICORN 5.31 SP3 and PrimeView 5.31 on Windows 10 OS.

2.1. Prerequisites for UNICORN 5.31 SP3

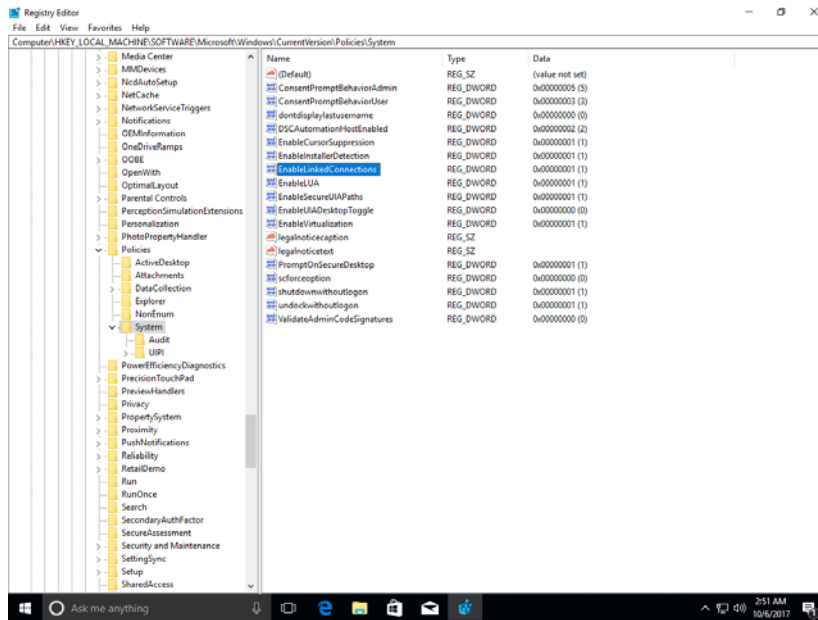
1. Click on Windows Start and type "Turn Windows features on or off" and then enable .Net framework 3.5 (includes .Net 2.0 and 3.0) by selecting from the screen shown below.



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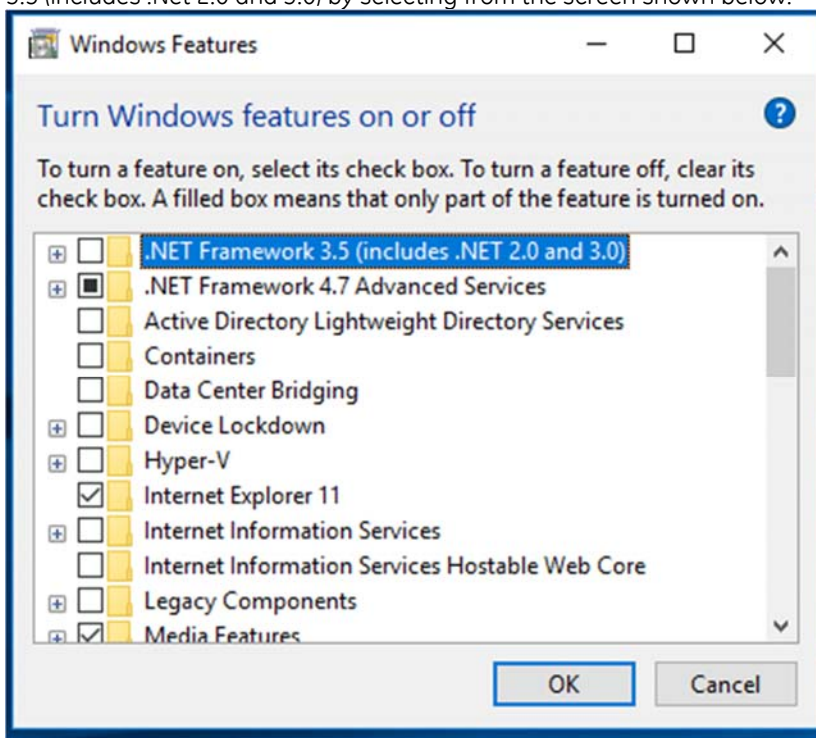


2. Navigate to **Registry Editor** and enable network map drive for UNICORN 5.31 SP3 on Windows 10 by right-clicking on empty space, add DWORD (32 bit), then name it "EnableLinkedConnections". Double click on the item and set the data to 1.



2.2. Prerequisites for PrimeView 5.31

1. Click on Windows Start and type "Turn Windows features on or off" and then enable .Net framework 3.5 (includes .Net 2.0 and 3.0) by selecting from the screen shown below.



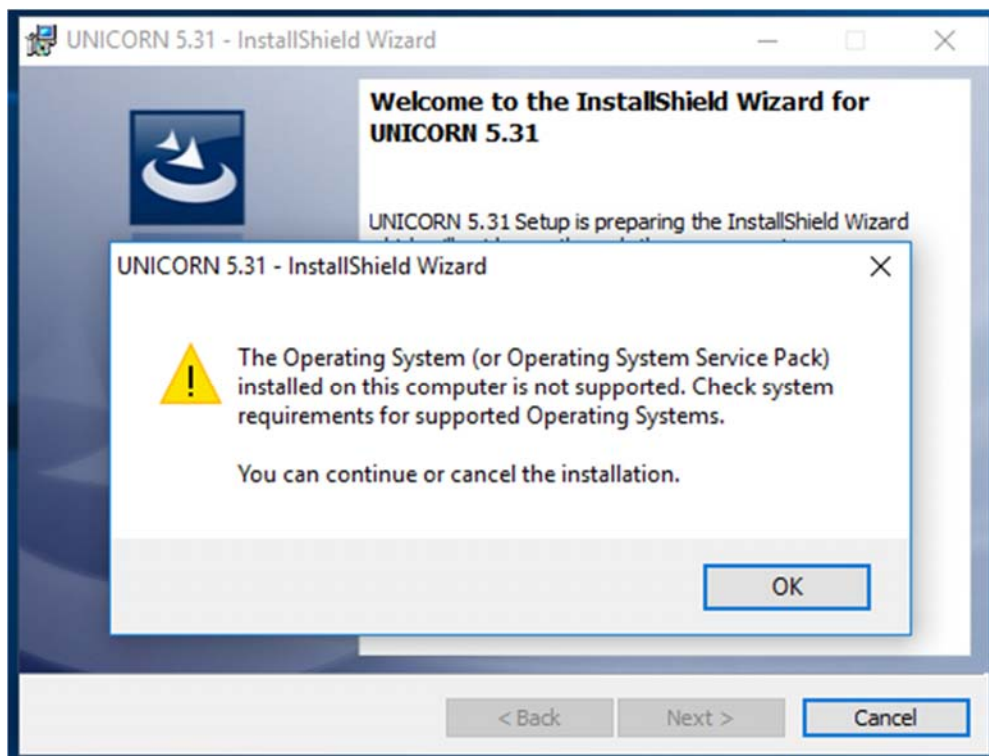


2. Make sure that the serial converter cable pin configuration should be the exact same that is mentioned in the service manual to connect PrimeView 5.31 software with ÄKTAprime plus Instrument.
3. Install drivers for USB to serial converter cable after successful installation of PrimeView 5.31.

3. Installation steps

3.1. Installation steps for UNICORN 5.31 SP3

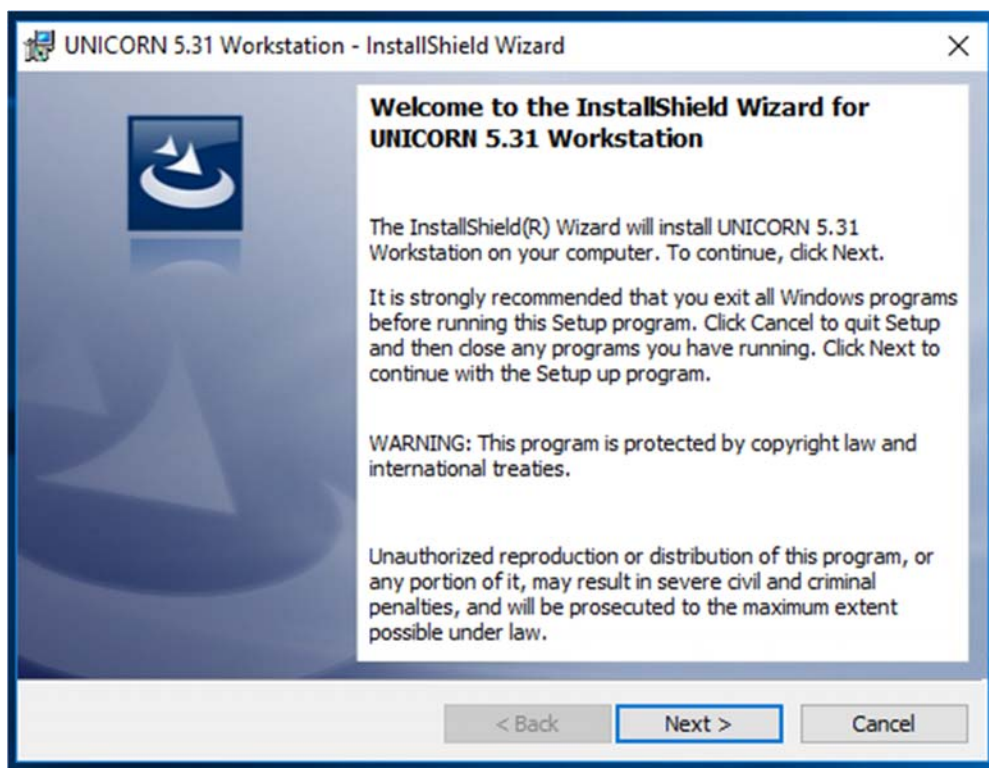
1. After starting installation, click on OK to overcome this warning and proceed with the installation.



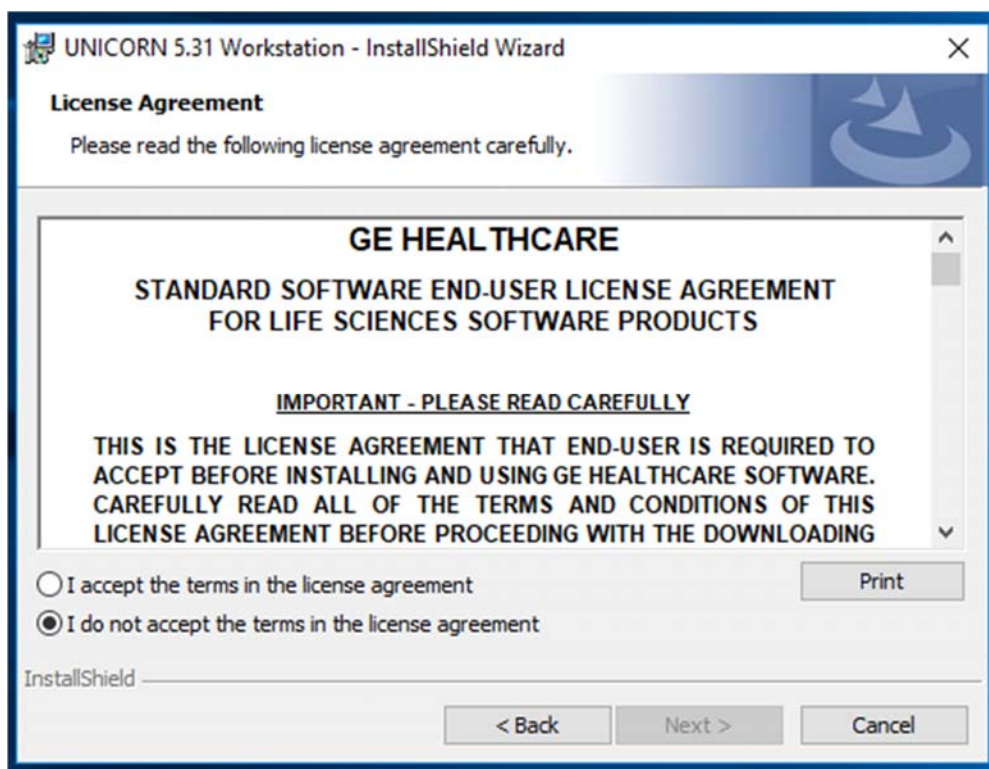
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2. Click on Next.



3. Read and accept the license agreement and click on Next.





4. Enter the details and click on Next.

The screenshot shows the 'Customer Information' step of the UNICORN 5.31 Workstation installation wizard. The window title is 'UNICORN 5.31 Workstation - InstallShield Wizard'. The main heading is 'Customer Information' with the instruction 'Please enter your information.' Below this are three text input fields: 'User Name:' containing 'Windows User', 'Organization:' containing 'GE', and 'Serial Number:' containing '1234234'. The 'Serial Number' field is currently selected. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

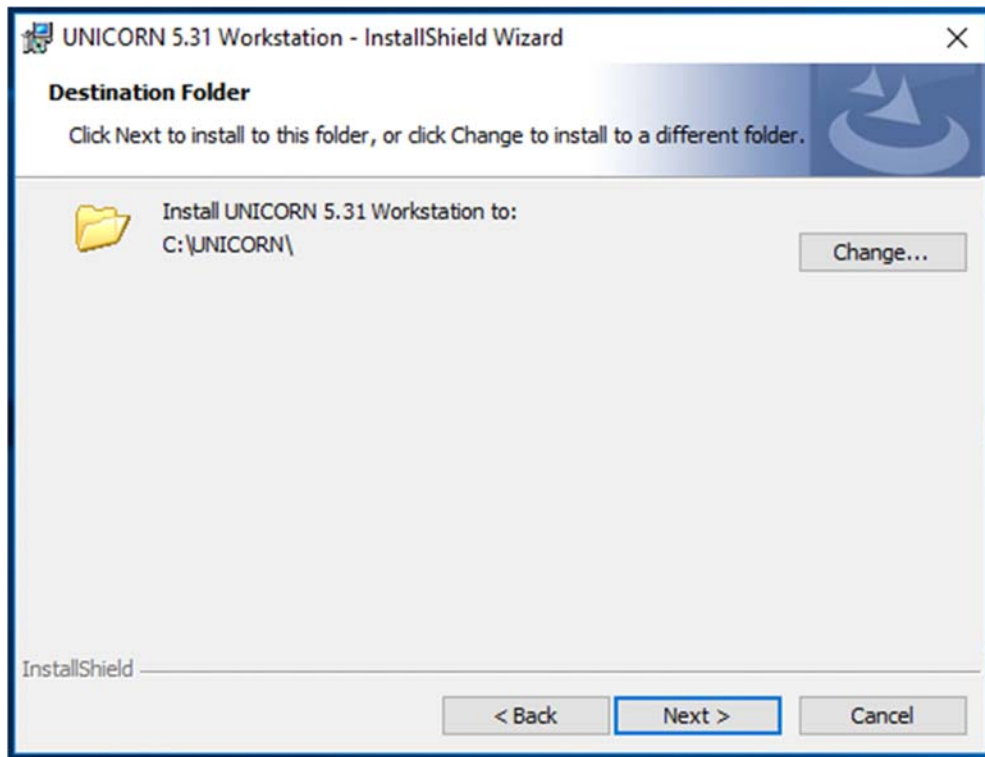
5. Select the appropriate option and click on Next.

The screenshot shows the 'Select System Type' step of the UNICORN 5.31 Workstation installation wizard. The window title is 'UNICORN 5.31 Workstation - InstallShield Wizard'. The main heading is 'Select System Type' with the instruction 'Please select the system type to install UNICORN for'. There are five radio button options: 'ÄKTA System (except those listed below)' (which is selected), 'ÄKTAxpress System', 'ÄKTA oligopilot System', 'ÄKTAcrossflow System', and 'BioProcess System or ÄKTAprocess System'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border. The 'InstallShield' logo is visible in the bottom left corner.

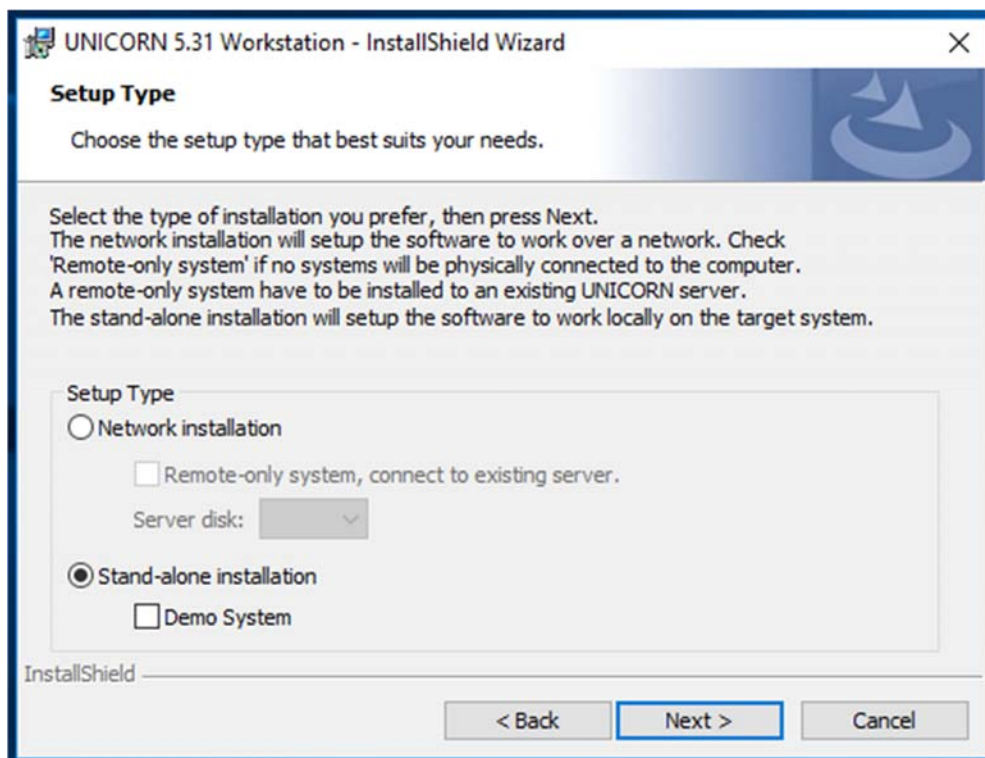
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- Click Change to change installation folder and then click Next, or click on Next without changing the folder.



- Select the type of installation and click on Next.





8. Enter the requested information and click on Next.

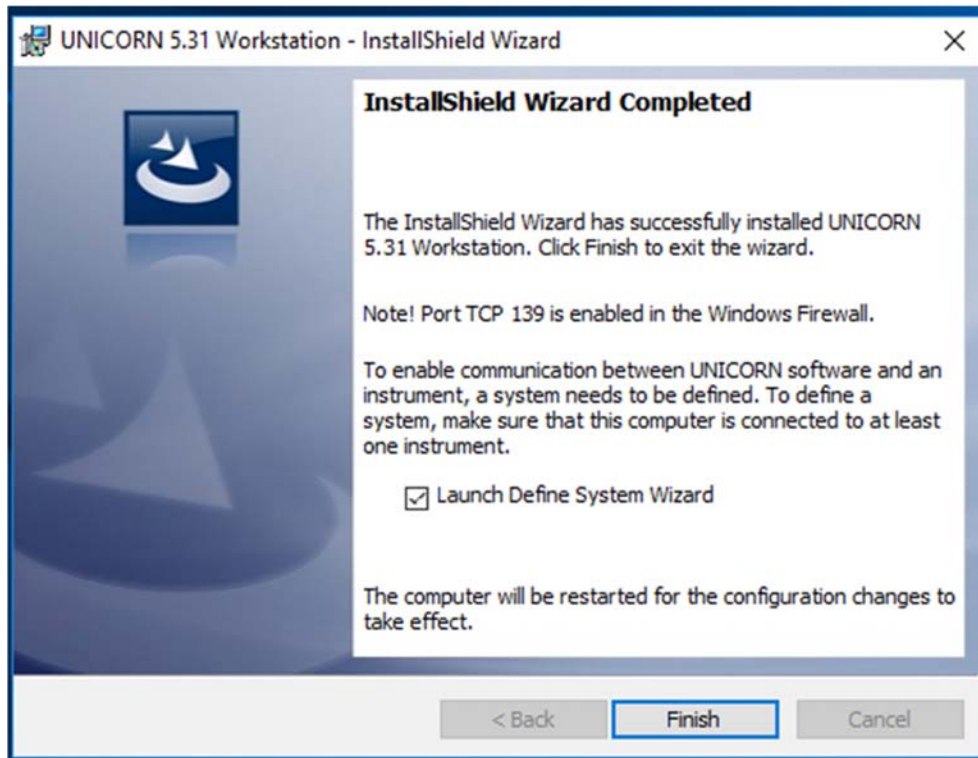
The screenshot shows the 'Program Settings' window of the UNICORN 5.31 Workstation - InstallShield Wizard. The window has a title bar with the text 'UNICORN 5.31 Workstation - InstallShield Wizard' and a close button. Below the title bar is a header with the text 'Program Settings' and a sub-header 'Choose the program settings that best suits your needs.' The main content area contains two sections: 'Password' and 'System Control Layout'. The 'Password' section has a radio button selected for 'Password required' and a dropdown menu showing '6' for the 'Minimum number of password characters'. The 'System Control Layout' section has a dropdown menu showing '1' for 'The number of System Control Windows'. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

9. Click on Install.

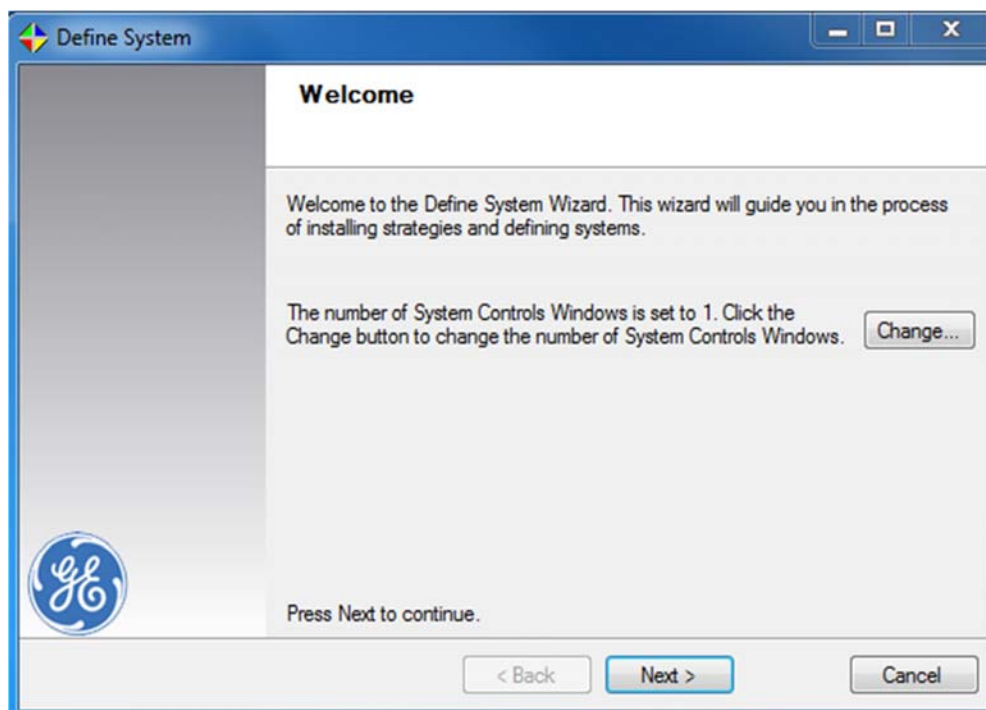
The screenshot shows the 'Ready to Install the Program' window of the UNICORN 5.31 Workstation - InstallShield Wizard. The window has a title bar with the text 'UNICORN 5.31 Workstation - InstallShield Wizard' and a close button. Below the title bar is a header with the text 'Ready to Install the Program' and a sub-header 'The wizard is ready to begin installation.' The main content area contains two paragraphs: 'Click Install to begin the installation.' and 'If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.' At the bottom of the window are three buttons: '< Back', 'Install', and 'Cancel'. The 'Install' button is highlighted with a blue border.



- Click finish to launch **Define system Wizard**, or to launch **Define System Wizard** later, uncheck Launch Define system Wizard and then click Finish.

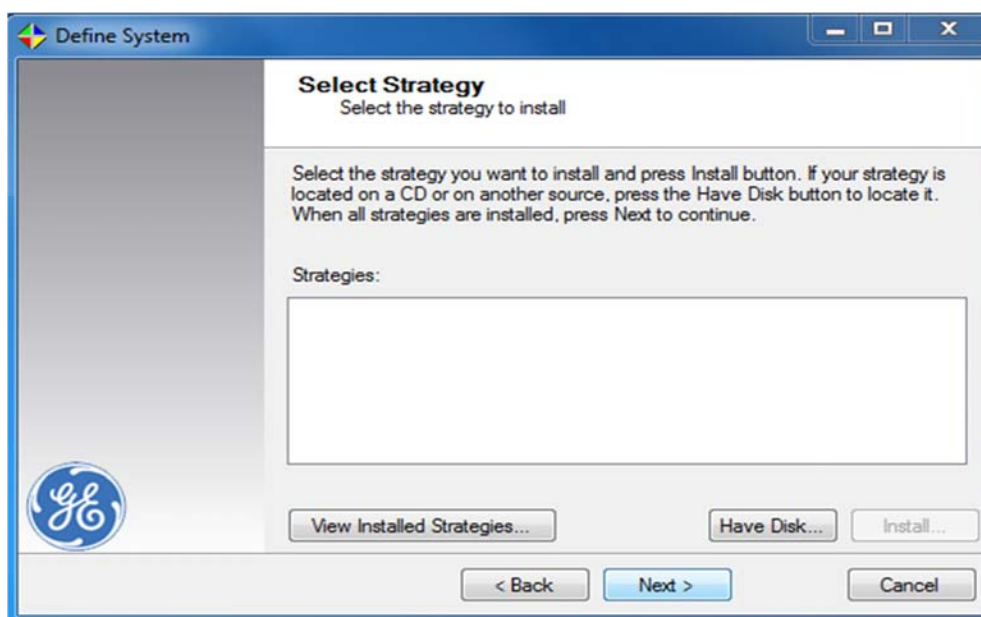


- Click on Next to proceed with **Define System Wizard**.

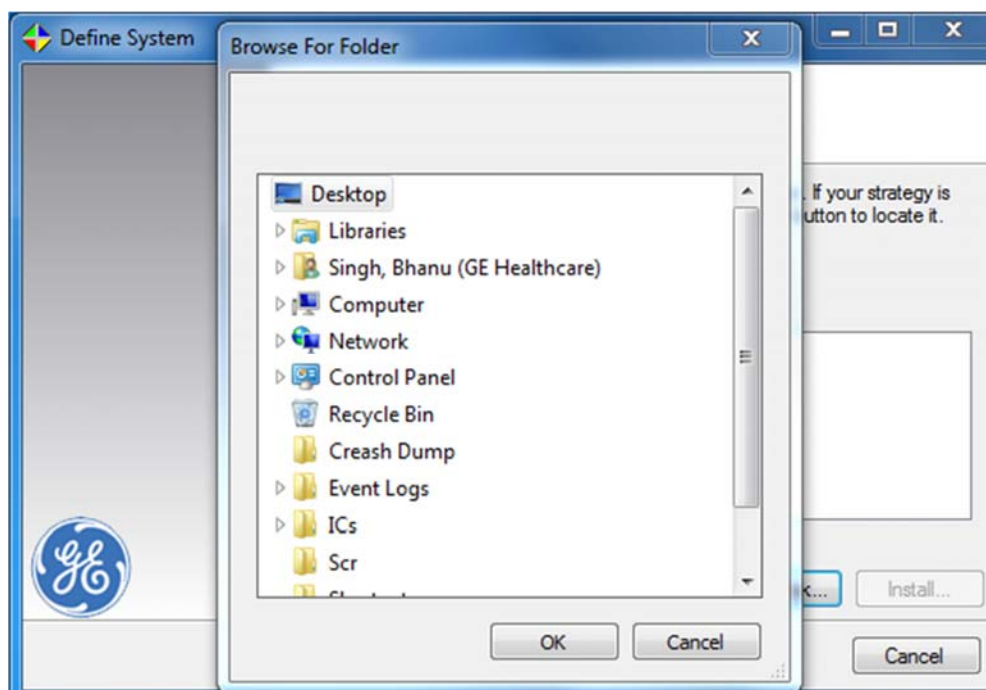




12. Click on Have Disk to select strategy.

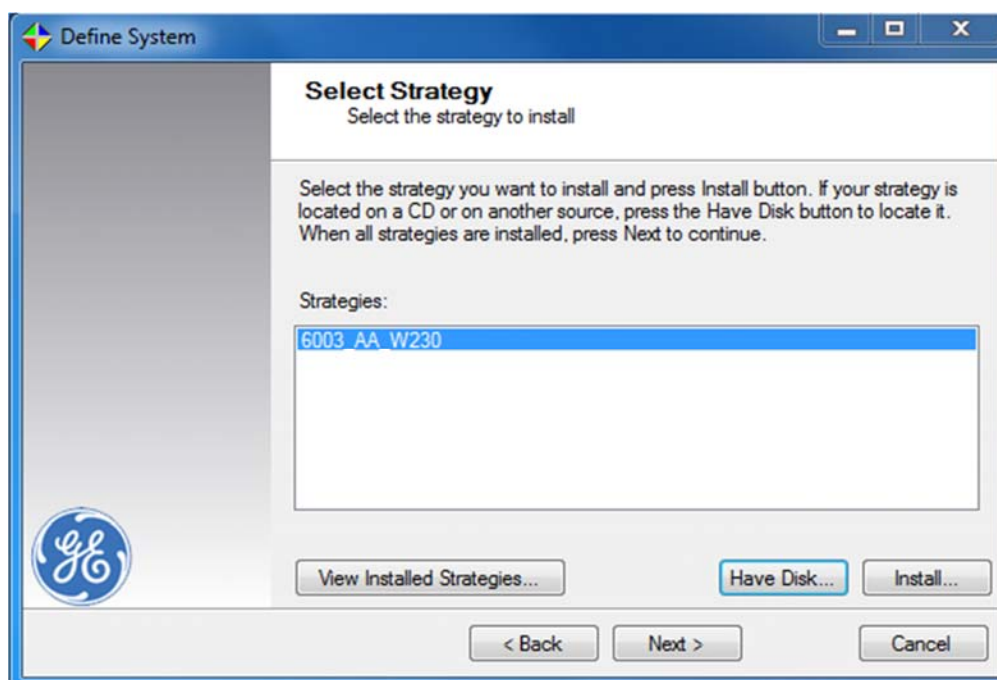


13. Select strategy and click OK.

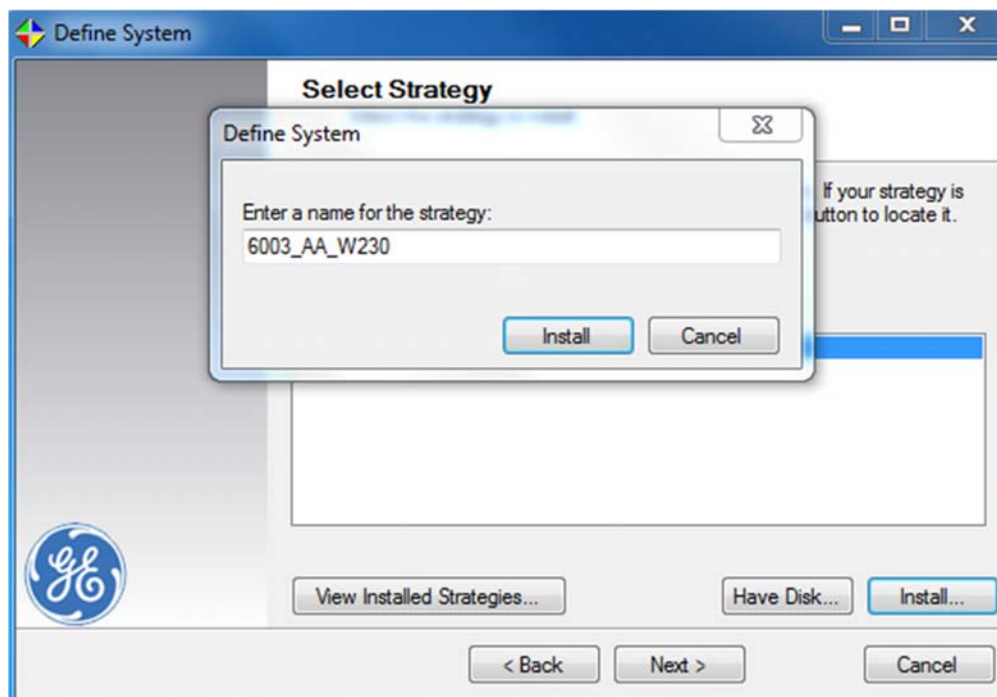




14. Click on Install.

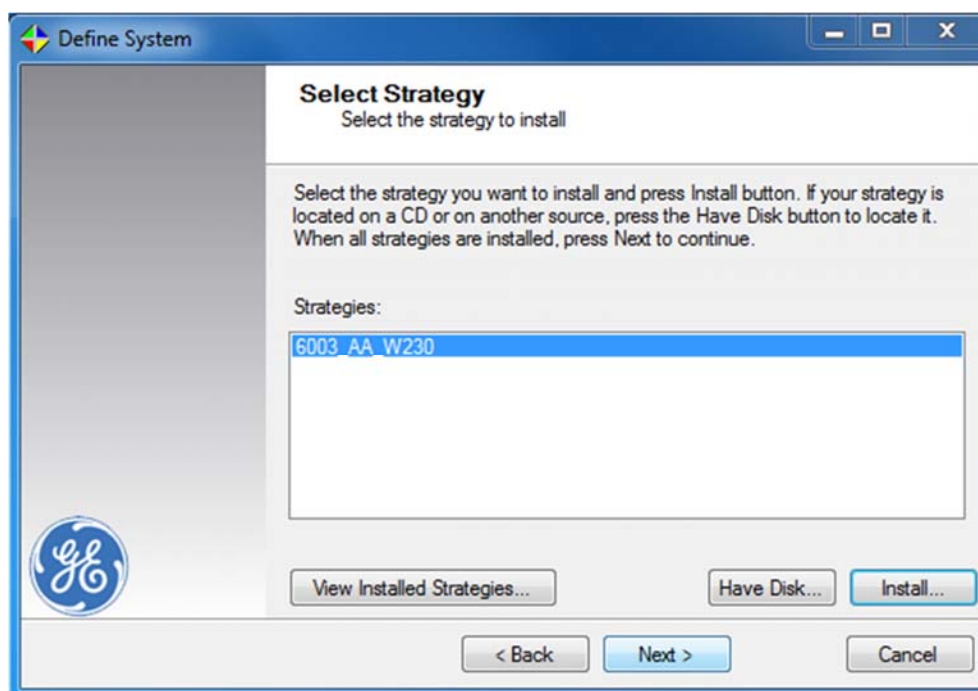


15. Verify the strategy and click on Install.

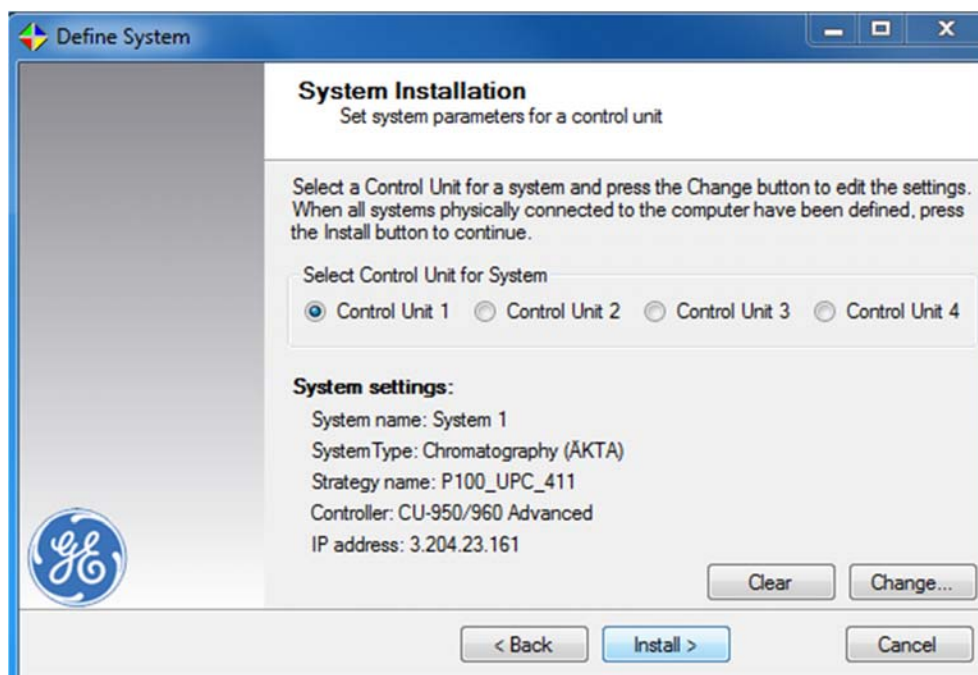




16. Click on Next.



17. Click on Change.





18. Enter the details and click OK.

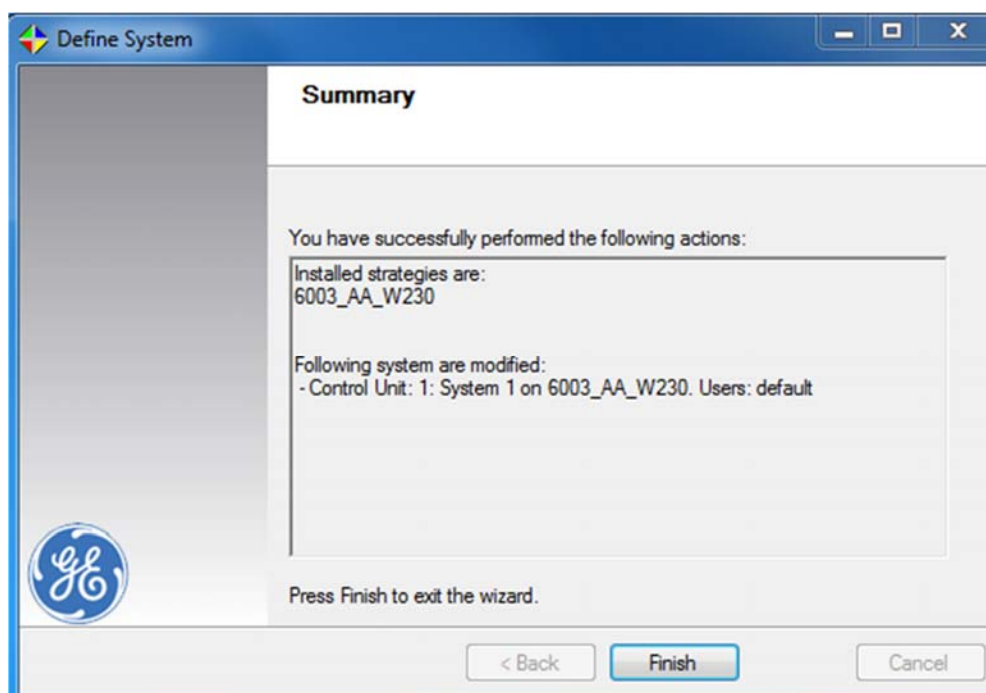
The dialog box is titled "System Setup - Control Unit 1 System". It contains instructions: "Set the parameters for the Control Unit 1 System. First, set the system name and the strategy that shall be used for the system. Then, set the IP address for the system." Below the instructions are four fields: "System name:" with the value "System 1", "System type:" with a dropdown menu showing "Chromatography (AKTA)", "Strategy:" with a dropdown menu showing "6003_AA_W230", and "Controller:" with a dropdown menu showing "CU-950/960 Advanced". Below these is an "IP address:" field with three dots. At the bottom, there is a section "Select the users that shall be able to access the Control Unit 1 System." with a list box containing "default" with a checked checkbox. At the bottom right are "OK" and "Cancel" buttons.

19. Click on Install.

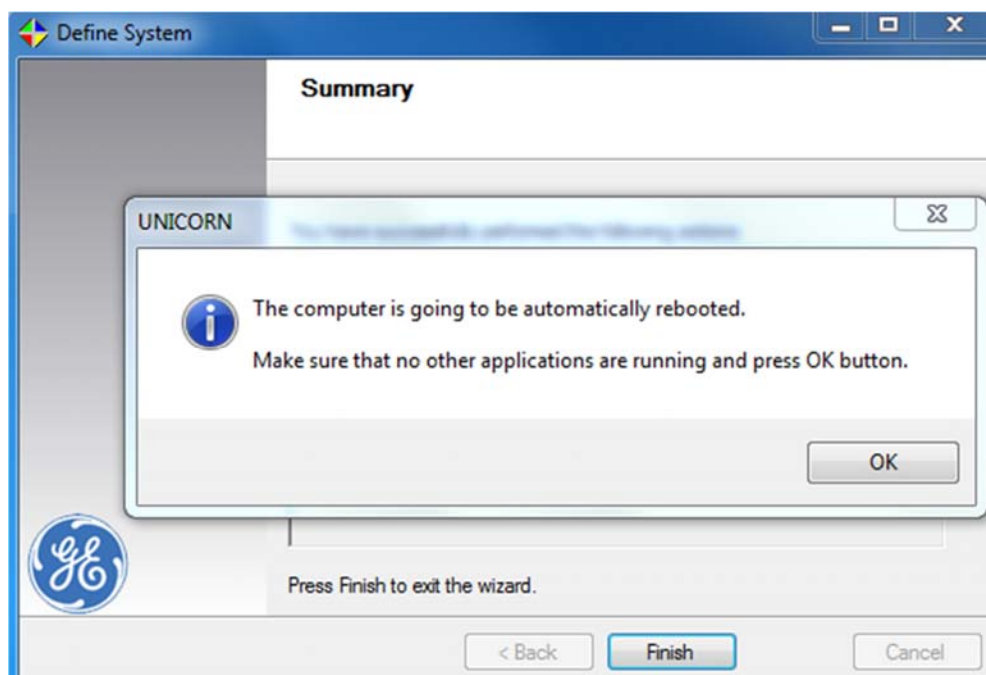
The dialog box is titled "Define System". It has a "System Installation" section with the instruction: "Set system parameters for a control unit". Below this is a paragraph: "Select a Control Unit for a system and press the Change button to edit the settings. When all systems physically connected to the computer have been defined, press the Install button to continue." Below this is a "Select Control Unit for System" section with four radio buttons: "Control Unit 1" (selected), "Control Unit 2", "Control Unit 3", and "Control Unit 4". Below this is a "System settings:" section with the following values: "System name: System 1", "SystemType: Chromatography (AKTA)", "Strategy name: 6003_AA_W230", "Controller: CU-950/960 Advanced", and "IP address: 3.204.23.161". At the bottom right are "Clear" and "Change..." buttons. At the bottom are "< Back", "Install >", and "Cancel" buttons. The GE logo is in the bottom left corner.



20. Click on Finish.



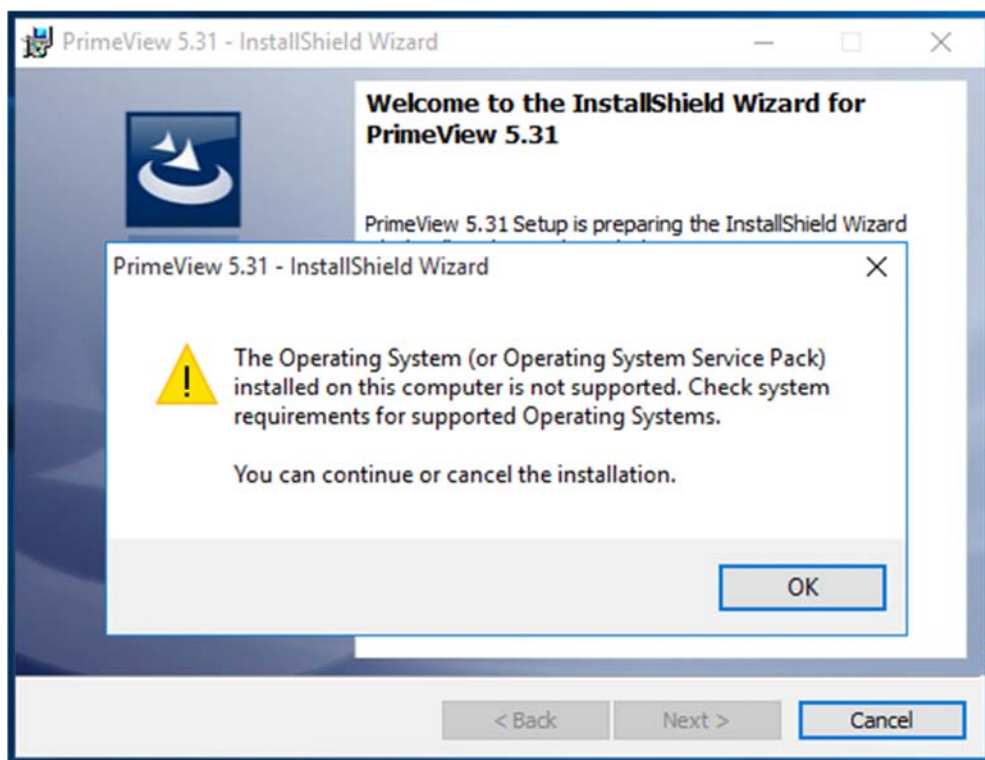
21. Click on OK to reboot the computer.



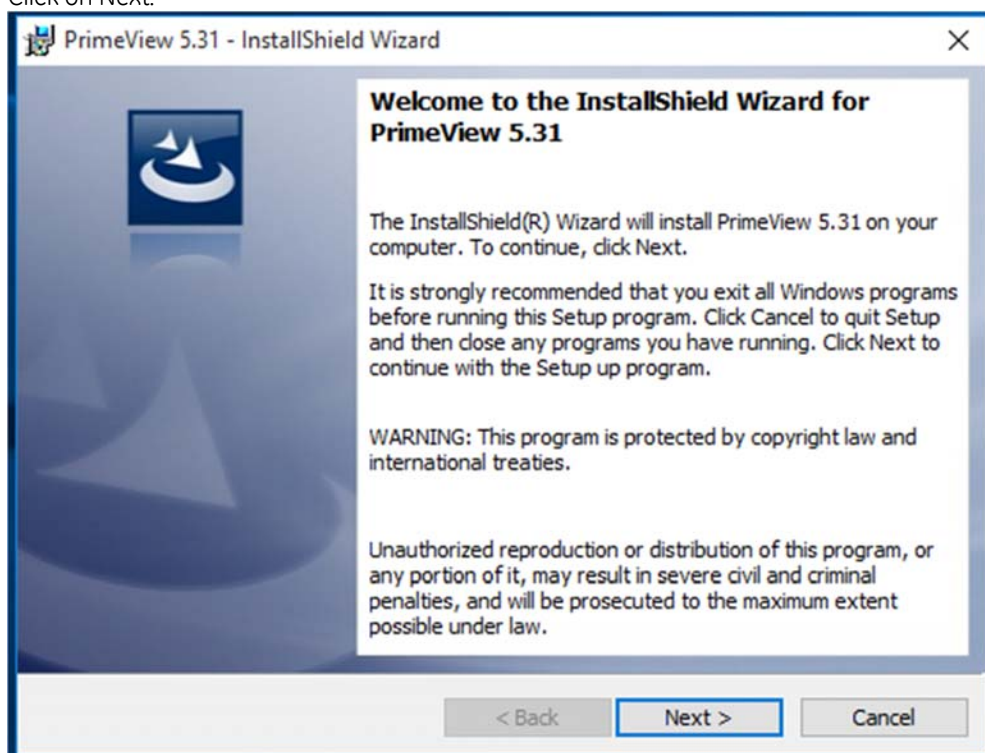


3.2. PrimeView 5.31

1. After starting installation, click on OK to overcome this warning and proceed with the installation.



2. Click on Next.



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3. Read and accept the license agreement and click on Next.

The screenshot shows the 'License Agreement' window of the PrimeView 5.31 - InstallShield Wizard. The window title is 'PrimeView 5.31 - InstallShield Wizard'. The main heading is 'License Agreement' with a sub-instruction 'Please read the following license agreement carefully.' The central text area contains the following content:

GE HEALTHCARE

**STANDARD SOFTWARE END-USER LICENSE AGREEMENT
FOR LIFE SCIENCES SOFTWARE PRODUCTS**

IMPORTANT - PLEASE READ CAREFULLY

**THIS IS THE LICENSE AGREEMENT THAT END-USER IS REQUIRED TO
ACCEPT BEFORE INSTALLING AND USING GE HEALTHCARE SOFTWARE.
CAREFULLY READ ALL OF THE TERMS AND CONDITIONS OF THIS
LICENSE AGREEMENT BEFORE PROCEEDING WITH THE DOWNLOADING**

Below the text area are two radio buttons:

- ☐ I accept the terms in the license agreement
- ☒ I do not accept the terms in the license agreement

A 'Print' button is located to the right of the radio buttons. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

4. Enter the details and click on Next.

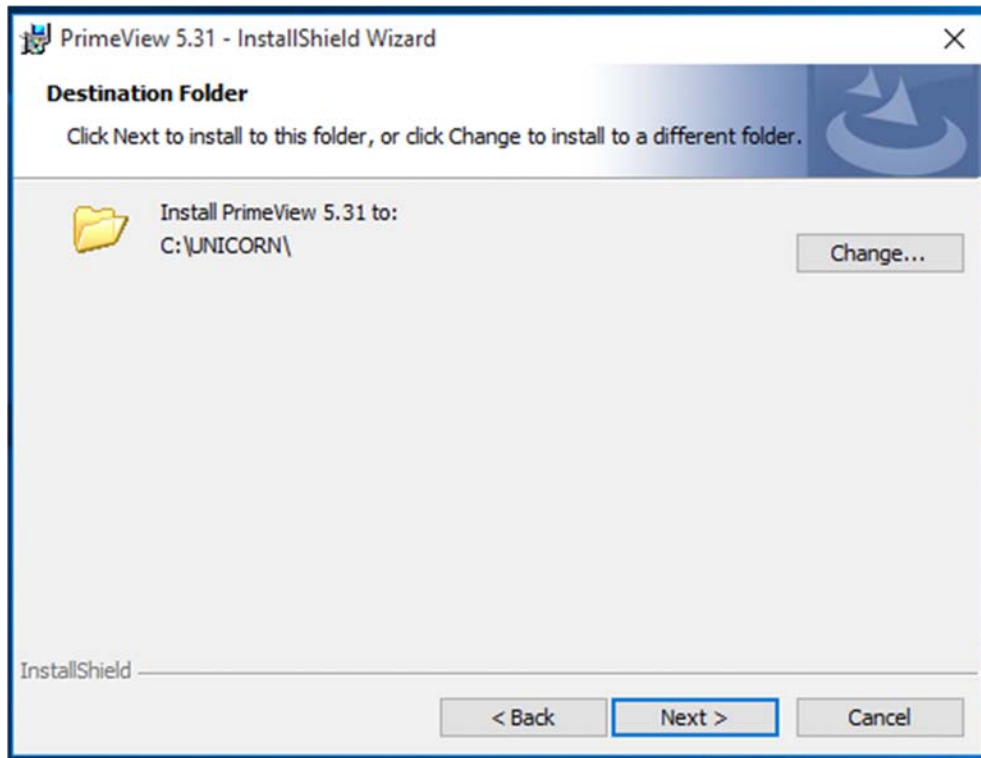
The screenshot shows the 'Customer Information' window of the PrimeView 5.31 - InstallShield Wizard. The window title is 'PrimeView 5.31 - InstallShield Wizard'. The main heading is 'Customer Information' with a sub-instruction 'Please enter your information.' The form contains three input fields:

- User Name:** A text box containing the value 'test'.
- Organization:** A text box containing the value 'GE'.
- Serial Number:** A text box containing the value '3213123'.

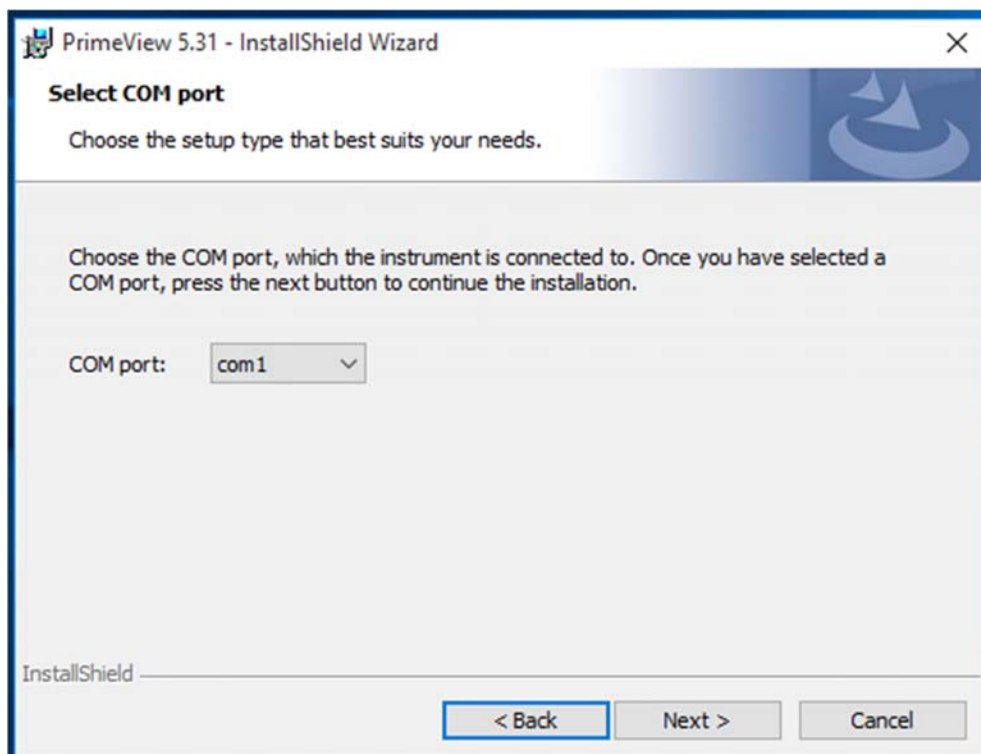
At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.



5. Click Change to change installation folder and then click Next, or click on Next without changing the folder.



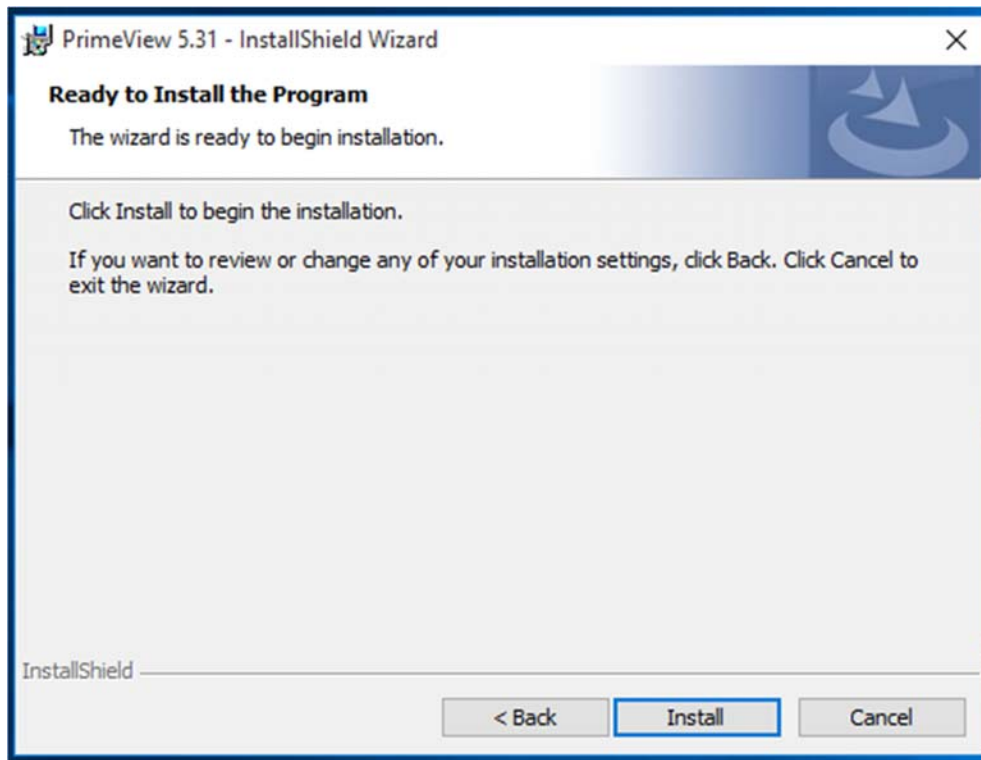
6. Select COM port as com1 and click on Next.



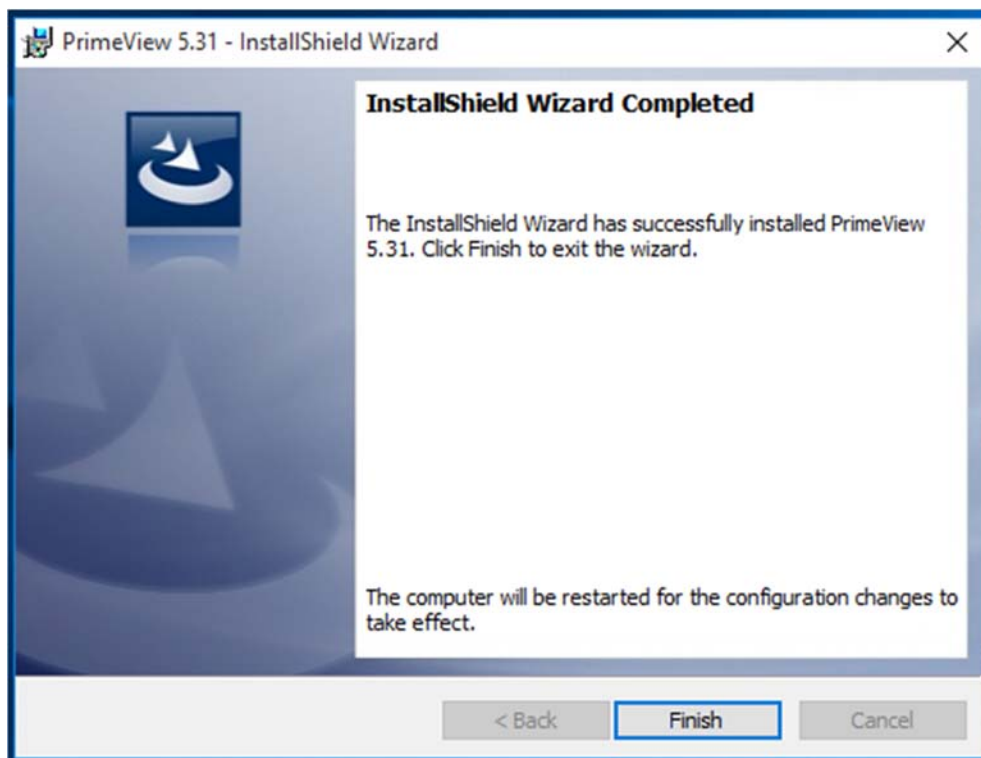
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7. Click on Install.

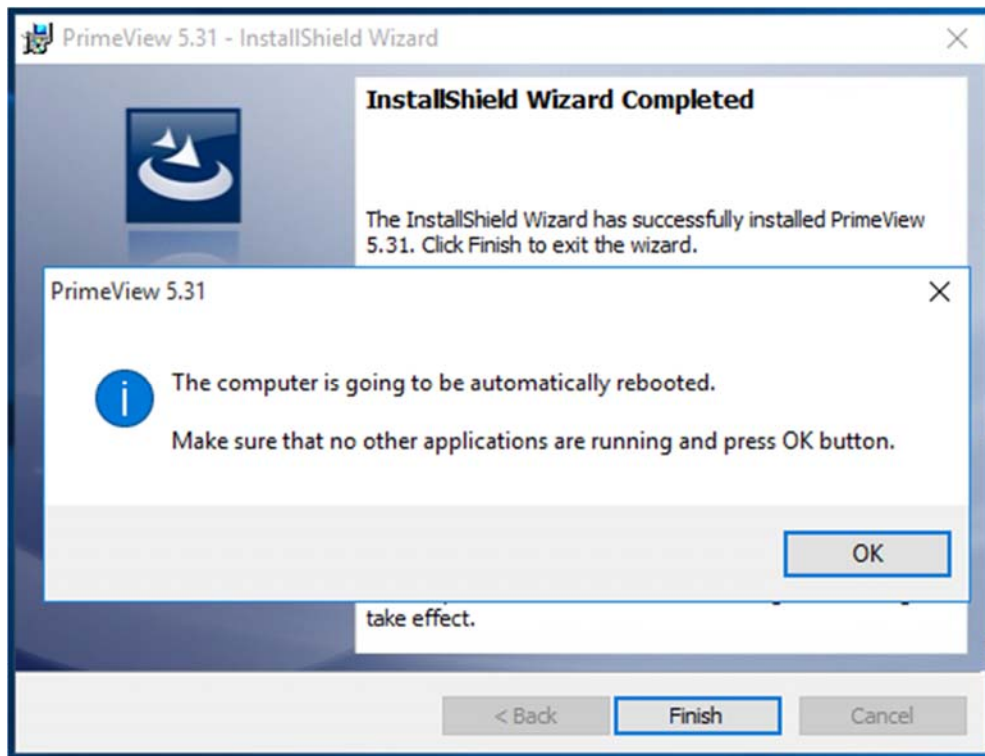


8. Click on Finish.





9. Click OK to reboot the computer.





4. Known issues

4.1. Network drive might not be visible in case of UNICORN 5.31 SP3 installation on Windows 10 Pro (x86 or x64)

- To show .NET version number, enable Network map drive in **Registry** on Windows 10 Pro (See Prerequisites 2.1).

5. Known limitations

5.1. Known limitation for ÄKTA OligoPilot (advanced) on 86 and 64 bit systems

- When disconnecting the cable from the computer on which UNICORN 5.31 is installed, the system is restarted, wait for approximately 1 min before starting UNICORN 5.31 application.
- After restarting the computer, wait for approximately 1 min before launching UNICORN 5.31 for the system to connect to UNICORN 5.31.
- For every disconnect of the cable from the ÄKTA oligopilot system, the connection resumes as soon as the cable is reconnected to the system, however, Run does not resume (same as for Windows 7).
- UNICORN 5.31 prompts a message saying, "Due to a power failure at local station data exists can be recovered to file "path" (Yes No)". If Yes, then Run did not resume, but data can be recovered from the result file. If No, the Run did not resume and data was not recovered as the result file was not saved.

5.2. Known limitation for ÄKTAxpress on 86 and 64 bit systems

- After disconnecting the cable from the computer on which UNICORN 5.31 is installed, the system needs time to connect to the computer (approximately 1 min).
- After restarting the computer, wait for approximately 1 min before launching UNICORN 5.31.
- For every disconnect of the cable from ÄKTAxpress system, the connection resumes as soon as the cable is reconnected to the system, however, Run does not resume (same as for Windows 7).
- UNICORN 5.31 prompts a message saying, Due to a power failure at local station data exists can be recovered to file "path" (Yes No)". If Yes, then Run did not resume, but data can be recovered from the result file. If No, then Run did not resume and data was not recovered as the result file was not saved.

5.3. Known limitation for ÄKTAprime plus

- Start instrument and wait for approximately 2 min to stabilize the instrument, and then launch PrimeView 5.31 software on the computer on which UNICORN 5.31 is installed.



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