

VWorks Standard Version 14.4

# **Configuration and Administration Guide**

# **Notices**

#### **Manual Part Number**

D0004031 Revision C.3

July 2024

### Copyright

© Agilent Technologies, Inc. 2024

No part of this manual may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior agreement and written consent from Agilent Technologies, Inc. as governed by United States and international copyright laws.

#### **Software Revision**

This guide is valid for VWorks software 14.1.1 or later, until superseded.

#### Contact Information

Agilent Technologies Inc. Automation Solutions 5301 Stevens Creek Blvd. Santa Clara, CA 95051 USA

Web:

https://www.agilent.com

Contact page: https://www.agilent.com/en/contactus/page

Documentation feedback: documentation.automation@agilent.com

#### **Acknowledgments**

Microsoft® and Windows® are either registered trademarks or trademarks of the Microsoft Corporation in the United States and other countries.

#### Warranty

The material contained in this document is provided "as is," and is subject to being changed, without notice, in future editions. Further, to the maximum extent permitted by applicable law, Agilent disclaims all warranties, either express or implied, with regard to this manual and any information contained herein, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Agilent shall not be liable for errors or for incidental or consequential damages in connection with the furnishing, use, or performance of this document or of any information contained herein. Should Agilent and the user have a separate written agreement with warranty terms covering the material in this document that conflict with these terms. the warranty terms in the separate agreement shall control.

#### **Technology Licenses**

The hardware and/or software described in this document are furnished under a license and may be used or copied only in accordance with the terms of such license.

### **Restricted Rights Legend**

If software is for use in the performance of a U.S. Government prime contract or subcontract, Software is delivered and licensed as "Commercial computer software" as defined in DFAR 252.227-7014 (June 1995), or as a "commercial item" as defined in FAR 2.101(a) or as "Restricted computer software" as defined in FAR 52.227-19 (June 1987) or any equivalent agency regulation or contract clause. Use, duplication or disclosure of Software is subject to Agilent Technologies' standard commercial license terms, and non-DOD Departments and Agencies of the U.S. Government will receive no greater than Restricted Rights as defined in FAR 52.227-19(c)(1-2) (June 1987). U.S. Government users will receive no greater than Limited Rights as defined in FAR 52.227-14 (June1987) or DFAR 252.227-7015 (b)(2) (November 1995), as applicable in any technical data

### **Safety Notices**

#### WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.

## **CAUTION**

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

# **Contents**

About this guide.  Accessing user guides	. vi
1. About VWorks Standard	. 2
2. Licensing the software About the software licensing About the Control Panel Licenses page Workflow for software licensing. Prerequisites for getting a license Getting a license Installing your license.	. 6 . 6 . 7 . 8
3. Configuring the software  Configuring authentication  Configuring the security policy  Configuring users, groups, and roles  Configuring VWorks project settings  Understanding the instrument configuration  About configuring automation devices in VWorks  Configuring the email server	14 17 19 29 32 36
4. System maintenance. Control Panel activity log and administrative reports. Shared Services Maintenance utility. Disaster recovery planning. Software backup and recovery. Data backup. Data recovery.	40 42 43 44 45
A. Optional configuration	

Contents

This page is intentionally blank.

# **Preface**

This preface contains the following topics:

- "About this guide" on page vi
- "Accessing user guides" on page viii



# About this guide

# What this guide covers

This guide provides administrator instructions for the VWorks Standard edition. The guide describes the software architecture and workflow and provides instructions for the following:

- Generating and installing the license
- Configuring and managing the user access
- Backing up and restoring data and software

Note: For information on VWorks Plus, see the VWorks Automation Control Plus Administrator Guide.

<b>Table</b> Terms used in this q	uide
-----------------------------------	------

9	
Term	Description
VWorks Automation Control	VWorks software component that you use to create the protocols that run your automation devices.
VWorks Plus	The compliance-enabled <i>workstation</i> edition of the VWorks software. This edition includes VWorks and OpenLab Control Panel, Shared Services, Secure Storage, and Content Browser installed on a single computer.
VWorks Standard	The workstation edition of the VWorks software that is not compliance enabled. This edition includes VWorks and OpenLab Control Panel and Shared Services installed on a single computer.
Secure Storage (OpenLab component)	The secure data storage repository for VWorks compliance-enabled editions.
Control Panel (OpenLab component)	The user interface for Shared Services.
Microsoft Control Panel	Part of the Microsoft Windows operating system.
Shared Services (OpenLab component)	Set of administrative services that control VWorks user access and file storage. Shared Services are accessed via the Control Panel.

# What is new in this edition

Feature and description	See
Updated Title page, last page, and Configuring the software chapter to reflect the release of VWorks 14.4 software.	-

# Related guides

For information about the following VWorks-related topics, see the corresponding Agilent guide.

For information about	See
Computer requirements	VWorks Automation Control Site Preparation Checklist
Software installation	VWorks Automation Control Installation Guide
Overview of the software components and workflow	VWorks Standard Quick Reference Guide
Setting up labware definitions and liquid classes	VWorks Automation Control
<ul> <li>Setting up an experiments database and labware inventory database</li> </ul>	Setup Guide
<ul> <li>Migrating protocols from previous versions of VWorks software</li> </ul>	
Setting up devices	VWorks Automation Control
<ul> <li>Writing protocols and creating forms</li> </ul>	User Guide
<ul> <li>Running protocols</li> </ul>	
<ul> <li>Troubleshooting protocols</li> </ul>	
Setting up a specific device and operating the device using VWorks and device diagnostics software	Relevant Agilent device user guide
General safety information and potential safety hazards that you might encounter when using Automation Solutions products	Automation Solutions Products General Safety Guide

## Software version

This guide documents VWorks Standard edition 14.1.1 and later versions.

# Accessing user guides

## About this topic

This topic describes the different formats of user information and explains how to access it for the Agilent Automation Solutions products.

#### Where to find user information

The user information is available in the following locations:

- Knowledge base. The help system for the Automation Solutions products is available from:
  - Help menu within the VWorks software: Select Help > Knowledge Base or press
  - From the Windows desktop: Select Start ( ) > All Apps > Agilent
     Technologies > VWorks Knowledge Base.

For guidelines on using the VWorks context-sensitive help and knowledge base features, see *Using the knowledge base*, below.

- PDF files. The PDF files of the user guides are installed with the VWorks software (C:\Program Files (x86)\Agilent Technologies\VWorks\UserGuides) and are available in the VWorks Knowledge Base.
- Website. You can search the online VWorks Knowledge Base or download the latest version of any PDF file from the Agilent website at https://automation.help.agilent.com.

### Accessing safety information

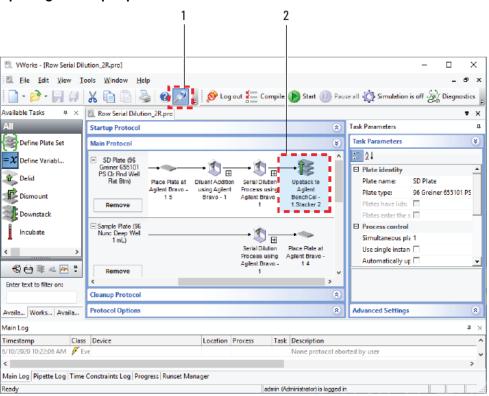
Safety information for the Agilent Automation Solutions devices appears in the *Automation Solutions Products General Safety Guide* and in the corresponding device safety guide or user guide.

You can also search the knowledge base or the PDF files for safety information.

## Using the knowledge base

Knowledge base topics are displayed using web browser software such as Microsoft Edge.

Note: If you want to use Microsoft Internet Explorer to display the topics, you might have to allow local files to run active content (scripts and ActiveX controls). For instructions, see the Microsoft user documentation.

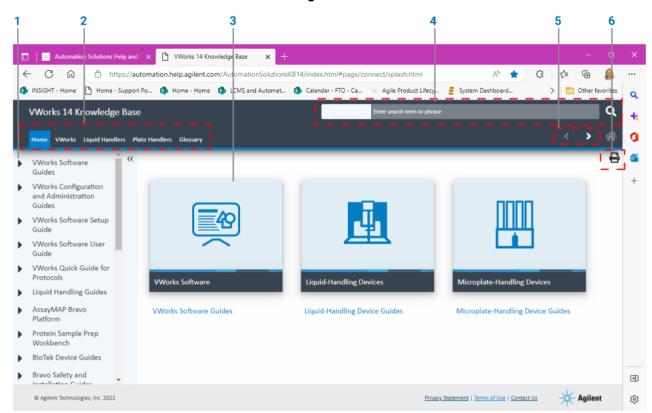


## Opening the help topic for an area in the VWorks window

#### To access the context-sensitive help feature:

- 1 In the main window of the VWorks software, click the help button . The pointer changes to . Notice that the different icons or areas are highlighted as you move the pointer over them.
- 2 Click an icon or area of interest. The relevant topic or document opens.

## Features in the Knowledge Base window



Item	Description
1	Contents pane. Lists all the books and the table of contents of the books.
2	Tabs. Allows you to search the Knowledge Base by product type.
3	<i>Topic area.</i> Displays content of selected tab or topic. In the above example, the content of the Home tab is displayed in the topic area.
4	Search bar. Enables you to search the entire knowledge base for a word or term.
5	Navigation buttons. Enable you to navigate through the next or previous topics listed in the Contents pane.
6	Print button. Enables you to print the information in the topic area.

# 1 About VWorks Standard

This chapter provides an overview of VWorks Standard edition.

The topics are:

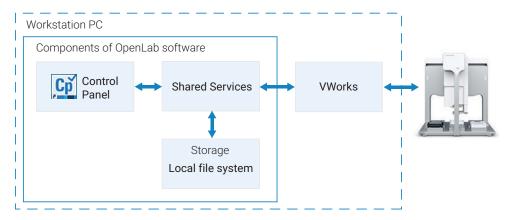
- "Software architecture and components" on page 2
- "Workflow for VWorks Standard" on page 3
- "Logging in to Control Panel" on page 4



# Software architecture and components

VWorks Standard consists of components of OpenLab software and VWorks software. All the required software components are installed on a single computer that connects to an Agilent automation device or workstation. The following figure shows the relationships between these components.

Figure VWorks Standard edition architecture



### OpenLab for VWorks components

VWorks Standard uses the following components of the OpenLab software:

- **Control Panel** and **Shared Services**. Control Panel is the user interface for Shared Services, which are set of administrative services. An administrator uses the Control Panel to configure the following:
  - User access management
  - Software licenses
  - Storage
  - Instrument and project settings
- Shared Services storage. VWorks Standard uses the local file system for file storage. The files are stored in a predefined Shared Services project folder:

/VWorks Projects/VWorks/

The files, such as protocols, are stored as .roiZip archives.



VWorks cannot load files (.roiZip extension) that have been modified or renamed outside of the VWorks software.

*Note*: Unlike previous VWorks versions, VWorks Standard does not use the Windows Registry for storing records, such as labware definitions and device profiles.

#### VWorks component

The VWorks component provides the instrument control for the automation devices. The software provides the tools to create labware definitions and liquid classes, set up your devices, create device profiles, and create and run protocols.

# Workflow for VWorks Standard

The following table provides the software workflow, including user roles for each task. The table has two sections: initial configuration tasks and ongoing tasks.

Table	Workflow for VWorks Standard	

Step	Task	Role	See
	Initial configuration and set up		
1	In OpenLab Control Panel, do the following:		"Logging in to Control Panel" on page 4
	Install and manage software licenses.	System Administrator (Everything role)	"Licensing the software" on page 5
	Configure and manage user access to the software.	System Administrator (Everything role)	"Configuring the software" on page 13
	Configure project settings.	System or VWorks Administrator	"Configuring VWorks project settings" on page 29
	<ul> <li>Understand the instrument (VWorks computer) configuration.</li> </ul>	System or VWorks Administrator	"Understanding the instrument configuration" on page 32
2	Set up the VWorks software:  • If applicable. Migrate protocols from earlier versions.	VWorks Administrator	VWorks Automation Control Setup Guide
	<ul> <li>Verify the VWorks labware definitions for any labware you plan to use.</li> <li>If you have a Bravo Platform, specify the pipetting speed and accuracy.</li> <li>Labware MiniHub. Establish connection to the VWorks Inventory database for labware inventory management.</li> <li>If applicable. Establish connection to the VWorks Experiments database.</li> </ul>	VWorks Administrator or Technician	
3	In the VWorks software, set up your automation devices.	VWorks Administrator or Technician	Device user guide, for example, <i>Bravo Platform User Guide</i>
	Ongoing use		
4	In the VWorks software, create protocols to run your automation devices.	VWorks Administrator or Technician	VWorks Automation Control User Guide
5	Run VWorks protocols.	VWorks Administrator, Technician, or Operator	VWorks Automation Control User Guide
6	Perform periodic software and data backups.	VWorks Administrator or Technician	"Disaster recovery planning" on page 43

# Logging in to Control Panel

#### To log in to the Control Panel:

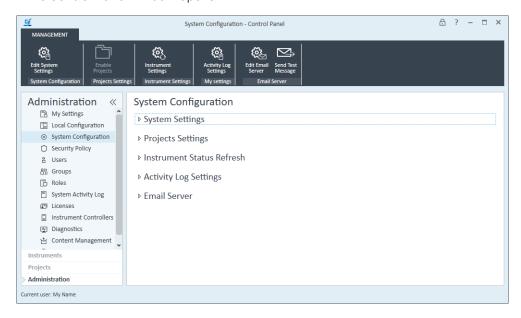
- 1 To start the Control Panel, click on the Windows desktop.

  Alternatively, you can click **All apps > Agilent Technologies > Control Panel**.
- In the Login window, enter your Login (user name) and password.
  If this is the first time to log in to Control Panel after installing the software, enter the following:
  - Login: admin
  - Password: openlab

*Note*: After installing the software license, you will configure user accounts in Control Panel and change the password for this login.



The Control Panel window opens.



# 2 Licensing the software

This chapter describes how to obtain your software license. The topics are:

- "About the software licensing" on page 6
- "About the Control Panel Licenses page" on page 6
- "Workflow for software licensing" on page 7
- "Prerequisites for getting a license" on page 8
- "Getting a license" on page 9
- "Installing your license" on page 10



# About the software licensing

## Types of licenses

#### Trial license

A trial license for the software allows you to run it for 60 days after the installation. In order to run the software after the 60-day period, you must install your license file.

#### Licenses included with instrument purchase

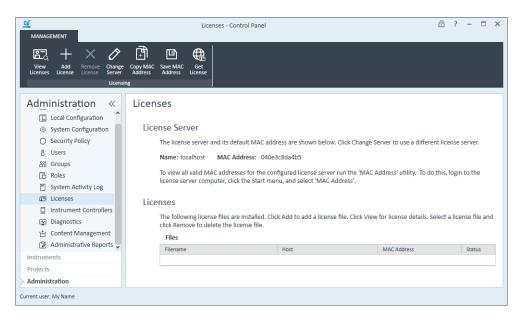
Two licenses for the VWorks Standard edition are included with each purchase of an automation instrument, such as the Bravo Platform. You must install one license file on the computer that runs the automation instrument. The second license file may be installed on a second computer, for example, a computer used for VWorks protocol development.

#### License file

A license file contains your software license. You generate and download the license file in SubscribeNet. This file will be installed on the computer where the VWorks software is installed. The license file is bound to this computer, and cannot be moved to another computer without regenerating the license in SubscribeNet.

# About the Control Panel Licenses page

The following figure shows the Licenses page in Control Panel.



#### To view the Licenses page:

- Log in to Control Panel Cp. For details, see "Logging in to Control Panel" on page 4.
- 2 In the Control Panel navigation pane, click **Administration > Licenses**. The Licenses page appears.

The ribbon at the top of the page includes the following controls that you can use to manage your software licenses:

- Add License and Remove License. Allows you to install and uninstall license files.
- Copy MAC Address. Copies the MAC address of the license server.
- Save MAC Address. Saves the MAC address of the license server to a text file (.txt) at the specified location.
- **Get License**. Links to the Agilent SubscribeNet Electronic Software and License Delivery web page, where you can obtain a license.
- **Change Server**. Not applicable. This feature is only for systems that have a license server on a separate computer from the client software.

# Workflow for software licensing

Step	For this task	See
1	Make sure you have the prerequisites for getting a license.	"Prerequisites for getting a license" on page 8
2	Generate and download your license.	"Getting a license" on page 9
3	Install your license using Control Panel.	"Installing your license" on page 10
4	Restart the computer for the license to have an immediate effect.	_

# Prerequisites for getting a license

### License prerequisites

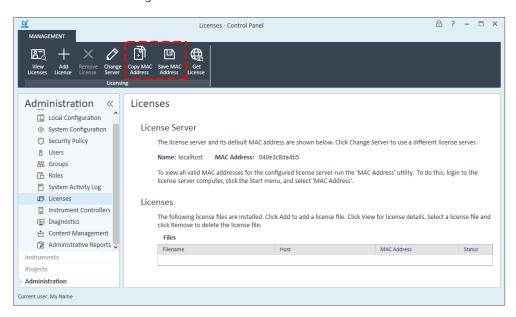
To generate, download, and install a license for your product, you will need:

- The authorization code label provided in the envelope containing your Software Entitlement Certificate.
  - If you have not received an envelope for your product, contact your vendor or internal support.
- The URL for SubscribeNet from the Software Entitlement Certificate.
- The name of the computer (local host) where the VWorks software and the OpenLab components are running.
  - Note: If any changes are made to the computer name or domain reference after the license is installed, remove the license. A new license will need to be created in SubscribeNet, downloaded, and installed.
- The MAC address. See the following procedure to retrieve the MAC address.
   Note: If the network adapter that provides the MAC address used during license creation is removed from the computer, your license will no longer be valid. A new license will need to be generated with a currently available MAC on the license server.

# Retrieving your MAC address

#### To retrieve your MAC address:

- 1 In the Control Panel navigation pane, click Administration > Licenses.
- 2 Use the Copy MAC Address or Save MAC Address function to obtain the MAC address for license generation.



# Getting a license

This section describes how to generate and download your license in SubscribeNet.

- If you are a new user who has not registered with SubscribeNet, see "New SubscribeNet users" on page 9.
- If you have registered with SubscribeNet, see "Users registered with SubscribeNet" on page 9.

### New SubscribeNet users

### To generate and download your license:

- **1** Go to https://agilent.subscribenet.com/control/agil/AgilRegisterToAccount to register the product with SubscribeNet.
- 2 On the registration page, enter the authorization code from the label and complete the profile information.
  - Note: Required fields are marked with an asterisk (\*).
  - The email address you enter will become your SubscribeNet login ID.
- 3 Click **Submit**. The system will generate and display an account name for you. SubscribeNet will send a welcome email with your login ID and password.
- **4** Log in to SubscribeNet using your login ID and password.

  Note: Once you log in, you can use the online user manual link for help with any questions you have.
- 5 Select **Generate or View licenses** from the left navigation bar.
- **6** Follow the prompts to generate your new license.
  - You will be prompted for the HOST NAME of the computer and the MAC address. The host name you enter must match with the network name of the computer where the Control Panel (OpenLab) is running. Do not include any DNS suffix (domain.com) references in the entered computer name.
- When the system generates the license, view its details, and then click **Download License File**. Save the license file to your computer and to a backup location, such as a portable storage device.
  - Use your login ID and password when you revisit the Agilent SubscribeNet site to regenerate a license file, add new authorization codes, or further configure the license for your system.

# Users registered with SubscribeNet

#### To generate and download your license:

- 1 If you already have a SubscribeNet account, go to https://agilent.subscribenet.com/
  - Note: If you lost your SubscribeNet password, go to https://agilent.subscribenet.com/control/agil/password to have it emailed to you.
- 2 Select the SubscribeNet account associated with this authorization code.
- **3** From the SubscribeNet navigation pane, select **Register Authorization Code**. This will allow you to enter your new authorization code, which will make available the new license entitlements.

Installing your license

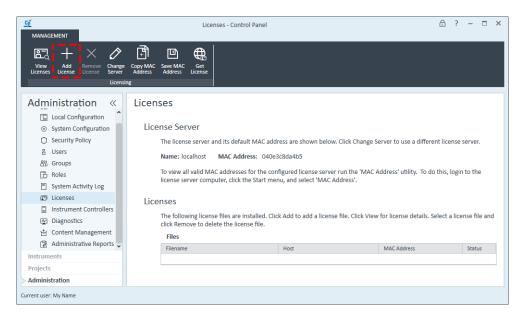
**4** Follow step 5 through step 7 in the previous procedure ("New SubscribeNet users" on page 9) to generate or view your new licenses.

# Installing your license

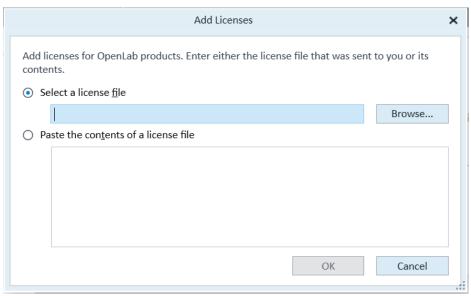
You add the license to your system using Control Panel (OpenLab component).

### To install your license:

- 1 If you have not already done so, log in to Control Panel. For details, see "Logging in to Control Panel" on page 4
- 2 In the Control Panel navigation pane, click **Administration > Licenses**.
- 3 In the ribbon, click Add License.



- 4 In the Add Licenses dialog box, select one of the following:
  - Select a license file. Browse to and open the license file (.lic) saved from the license generation process in SubscribeNet.
  - Paste the contents of a license file. Copy the license text from a text file and paste the copy in the provided field.



**5** Click **OK**. The Licenses page in the Control Panel displays the status of installed licenses.

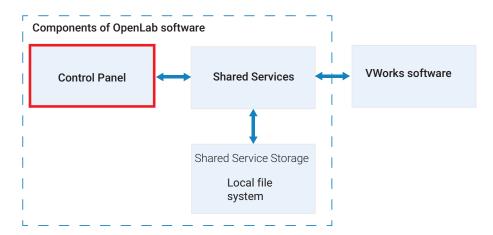


Restart the computer for the license to have an immediate effect.

2 Licensing the software Installing your license	
	This page is intentionally blank.

# 3 Configuring the software

This chapter describes how to use Control Panel to configure the Shared Services for VWorks Standard.



The topics in this chapter are:

- "Configuring authentication" on page 14
- "Configuring the security policy" on page 17
- "Configuring users, groups, and roles" on page 19
- "Configuring VWorks project settings" on page 29
- "Understanding the instrument configuration" on page 32
- "About configuring automation devices in VWorks" on page 36
- "Configuring the email server" on page 37

Note: The changes that you make in Control Panel are recorded in the System Activity Log. For details, see "Control Panel activity log and administrative reports" on page 40.



# Configuring authentication

VWorks Standard supports either Internal or Windows Domain as authentication providers. After the software installation, internal authentication is configured by default.



Changing the Control Panel authentication setting from Internal (default) to Windows Domain will erase any existing users and user groups. You should reinstall the VWorks software after changing the authentication setting to Windows Domain. Installing the VWorks software automatically recreates the predefined VWorks user groups.

## **Authentication options**

#### Internal (default)

The Internal option uses OpenLab components of the VWorks Standard edition to perform the authentication. You create the users and manage user access in the Control Panel, and Shared Services provides the user authentication.

Internal authentication is the only mode in which you can create new users within the Control Panel (OpenLab). If you want to use internal authentication, you can proceed to "Setting the security policy parameters" on page 17.

#### Windows Domain

The Windows Domain option uses Microsoft Windows to perform the user authentication. You import the users and groups that exist in the active Windows directory into OpenLab Control Panel and then assign them to the appropriate VWorks groups or roles.

Table	Workflow for Windows Domain authentication		
Step	For this	s task	See
1		nLab Control Panel, configure Windows n authentication.	"Configuring Windows Domain authentication" on page 16
2	setting the VW	changed the Control Panel authentication after running the VWorks installer, re-run forks installer to automatically publish the ined VWorks user groups and roles.	VWorks Automation Control Installation Guide
3		rosoft Windows, create users and user and configure the Security Policy.	Microsoft Windows user documentation
4	In Ope user gr	nLab Control Panel, set up the users and roups:	"Configuring users, groups, and roles" on
	а	Import the Windows users and user groups from Windows Domain.	page 19
	b	Assign the imported Windows users to predefined VWorks groups. This automatically grants the appropriate instrument and project privileges.	
	С	Assign any imported Windows groups to predefined VWorks roles, and also assign the appropriate instrument and project privileges.	

# **Configuring Windows Domain authentication**



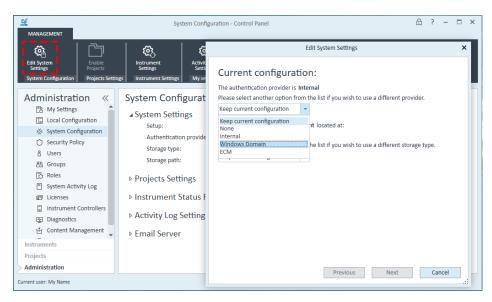
Make sure you install or reinstall VWorks after configuring Windows Domain authentication. The VWorks installer automatically installs a predefined set of VWorks groups that contain all the required privileges for using the VWorks software.

### To configure Windows Domain authentication:

If you have not already done so, log in to the Control Panel Cp 1



- In the System Configuration page, click Edit System Settings in the top-left corner of the ribbon. The Edit System Settings dialog box opens.
- Select the authentication provider **Windows Domain** from the list, and then click Next.

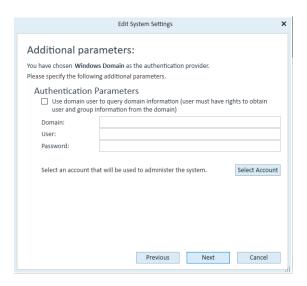




Do not change the storage type. The storage type is determined automatically based on the VWorks edition for which you have a license.

In the Edit System Settings dialog box, select the Windows Domain check box, click **Next**, and then confirm your settings.

When complete, the Control Panel will restart.



**5** Run the Agilent VWorks 14.4 installer to re-install the VWorks software. This will republish the predefined VWorks groups. The VWorks groups have all the roles and privileges required to run the VWorks software.

Note: For instructions, see the VWorks Automation Control Installation Guide.

# Configuring the security policy

Adjust the security policy as follows:

- **Internal authentication**. You can set all security policy parameters in the Control Panel using the following procedure.
- Windows Domain authentication. You can set only the inactivity time in the Control Panel. All other parameters are defined by the Windows system. See the Microsoft Knowledge Base for instructions.

# Setting the security policy parameters

## To configure the security policy in Control Panel:

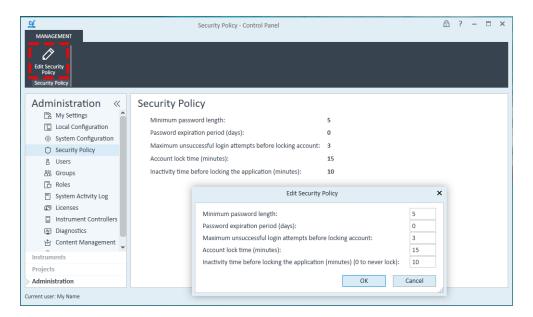
1 If you have not already done so, log in to the Control Panel



- 2 In the Control Panel navigation pane, click **Administration > Security Policy**.
- 3 In the ribbon, click **Edit Security Policy**.
- **4** Edit the settings per your requirements, and then click **OK**.

## 3 Configuring the software

Configuring the security policy



**5** When the restart message appears, restart Control Panel to ensure that any changes take effect.

# Configuring users, groups, and roles

This section contains the following topics:

- "User groups and roles" on page 19
- "Workflow for configuring users and groups" on page 21
- "Creating a user (internal authentication only)" on page 21
- "Importing Windows users (Domain authentication only)" on page 23
- "Importing Windows user groups (Domain authentication only)" on page 24
- "Assigning imported groups to roles (Domain authentication only)" on page 24
- "Changing a password and managing user data" on page 26
- "Removing users" on page 28

## User groups and roles

### System administrator

You configure a system administrator account in the Control Panel with all privileges (Everything role) before setting up other users. This administrator account is for a superuser who has access privileges to everything in the software.

Agilent recommends having a primary and a backup for these roles to ensure coverage in the event that the primary administrator is unavailable.

#### VWorks groups

The most efficient way to assign user privileges is to assign users to the predefined VWorks groups, which are automatically created when the VWorks software is installed. These VWorks groups, listed in the following table, are already associated with the corresponding VWorks roles, plus all the project and instrument privileges required to run the VWorks software.

#### **VWorks roles**

The VWorks roles listed in the table are automatically created when the VWorks software is installed. Each role defines what the users assigned with the role are allowed to view or do.



To log in to the VWorks software, you must have a role of VWorks Administrator, VWorks Technician, VWorks Operator, or VWorks Guest. In addition, privileges for an instrument and project are required.

Groups	Roles and privileges		
VWorks Administrators	VWorks Administrator role		
	Log in and log out of Control Panel and VWorks.  View and response prejects or preject groups.		
	View and manage projects or project groups      Edit project content including deleting content		
	Edit project content, including deleting content     Manage project group access.		
	Manage project group access  N/Warks Administrator privile read in V/Warks to		
	VWorks Administrator privileges in VWorks to  Pup a protocol that contains compiler errors		
	<ul><li>Run a protocol that contains compiler errors.</li><li>Delete development state records of interest.</li></ul>		
	<ul> <li>Perform all the functions of VWorks Technicians.</li> </ul>		
	Instrument Administrator role		
	Instrument User role		
VWorks	VWorks Technician role		
Technicians	<ul> <li>Log in and log out of Control Panel and VWorks.</li> </ul>		
	<ul> <li>View projects or project groups</li> </ul>		
	Edit project content		
	<ul> <li>VWorks Technician privileges in VWorks to</li> </ul>		
	<ul> <li>Perform all functions listed in the VWorks Tools menu.</li> </ul>		
	<ul> <li>Create and save protocols.</li> </ul>		
	<ul> <li>Create and edit devices using the device manager.</li> </ul>		
	<ul> <li>Perform all the functions of VWorks Operators.</li> </ul>		
	Instrument Administrator role		
	Instrument User role		
VWorks	VWorks Operator role		
Operators	<ul> <li>Log in and log out of Control Panel and VWorks.</li> </ul>		
	<ul> <li>View projects or project groups</li> </ul>		
	Edit project content		
	<ul> <li>VWorks Operator privileges in VWorks to</li> </ul>		
	<ul> <li>Run protocols.</li> </ul>		
	<ul> <li>Operate devices using diagnostics software.</li> </ul>		
	<ul> <li>Access the VWorks Knowledge Base through the Help menu.</li> </ul>		
	<ul> <li>Use context-sensitive help.</li> </ul>		
	Instrument User role		

Groups	Roles and privileges
VWorks Guest	<ul> <li>VWorks Guest role</li> <li>Log in and log out of Control Panel and VWorks.</li> <li>VWorks Guest privileges: <ul> <li>Log in and log out of VWorks.</li> <li>Access the VWorks Knowledge Base through the Help menu.</li> <li>Use context-sensitive help.</li> </ul> </li> </ul>

#### The effect of privileges:

- If you do not have the privilege to perform a function associated with a particular menu command, the text of the command is gray.
- If you do not have the privilege to perform the functions accessed from a particular tabbed page, the tab is not visible to you.
- In some cases, if you do not have the privilege to perform an operation, when you
  attempt the operation you get an error message telling you that your privileges are
  insufficient.

### Workflow for configuring users and groups

To create the required VWorks users, do one of the following:

- Internal authentication. You create each user in the OpenLab Control Panel and add them to one of the predefined VWorks groups. See "Creating a user (internal authentication only)" on page 21.
- Windows domain authentication. You import the Windows domain users into Control Panel (OpenLab component) using the following procedures:
  - "Importing Windows users (Domain authentication only)" on page 23
  - "Importing Windows user groups (Domain authentication only)" on page 24 and "Assigning imported groups to roles (Domain authentication only)" on page 24

# Creating a user (internal authentication only)

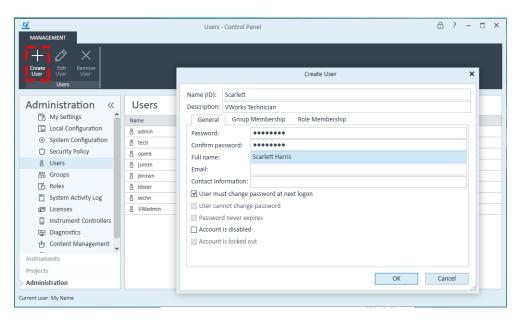
Use this procedure if your system configuration uses internal authentication.

#### To create a new user:

1 If you have not already done so, log in to the Control Panel



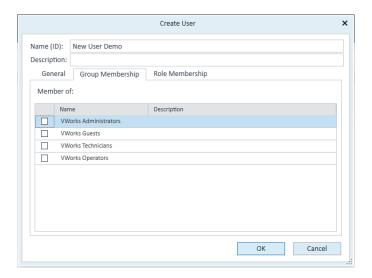
- 2 In the Control Panel navigation pane, click **Administration > Users**. The Users page appears, which displays the current list of users that have been assigned to VWorks groups.
- 3 In the ribbon, click **Create User**. The Create User dialog box opens.



- 4 Enter a Name (ID) and Description for the user.
- 5 In the General tab, enter a Password for the user and Confirm password.
  Note: The password length and expiration period is set under the Security policy.
- 6 Optional. Enter the user's Full name, Email, and Contact Information.
  The full name is used in activity log entries and the welcome message at the lower right of the Control Panel.
- 7 Select the password options:
  - Typically, you select **User must change password at next logon** so that the user can set their password and keep it private.
  - To prevent the user from changing the password assigned here, select User cannot change password.
  - To set the password to never expire, select Password never expires.

Note: To prevent the user from logging in to the VWorks software, select **Account** is disabled.

8 Click the Group Membership tab, select the VWorks group for this user, and click OK.



These predefined VWorks groups correspond to the predefined VWorks roles. For details, see "User groups and roles" on page 19.

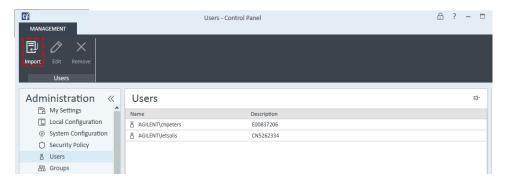
# Importing Windows users (Domain authentication only)

If you are using Windows Domain as the authentication provider, you can import users into the Control Panel and assign them to groups using the following procedure.

*Note*: The computer must be connected to the server of the company network to import Windows users.

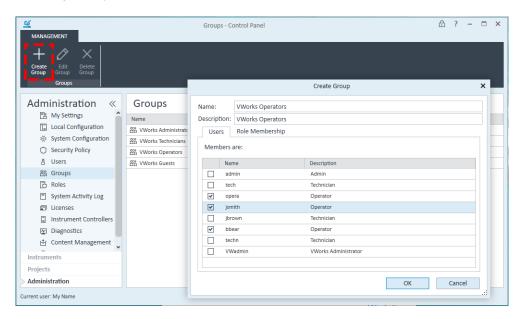
#### To import Windows users and assign them to groups:

- 1 In the Control Panel navigation pane, click Administration > Users. The Users page appears and displays the current list of users that have been assigned to VWorks groups.
- 2 In the ribbon, click **Import**.



- 3 In the **Search Users** dialog box, type the search string for the user name.
- 4 In the **Search Results** list, select the user you want to import, and click **Add**. The user is added to the Selected Users list.
- Repeat steps 2 through 4 until you have added all the user names that you want to import, and then click **OK**.
- 6 In the Control Panel navigation pane, click **Administration > Groups**. The Groups page appears.

7 Select one of the Groups, and then click Edit Group on the ribbon. The Edit Group dialog box opens.



8 In the **Users** tab, select the check box of the user to be assigned to this group, and then click **OK**.



Do not change the roles for the predefined VWorks groups. The VWorks software requires one of the following roles Everything, VWorks Administrator, VWorks Technician, or VWorks Operator.

# Importing Windows user groups (Domain authentication only)

If you use are using Windows Domain as the authentication provider, you can import user groups from the active Windows directory. After you import the groups, you assign the groups to one of the VWorks roles.

#### To import a Windows user group:

- 1 In the Control Panel navigation pane, click **Administration > Groups**.
- 2 In the ribbon, click **Import**.
- 3 In the **Search Groups** dialog box, type the search string for the group name.
- 4 In the **Search Results** list, select the group you want to import, and click **Add**. The group is added to the Selected Groups list.
- 5 Click OK.

Assign the imported group to a VWorks role using the following procedure.

# Assigning imported groups to roles (Domain authentication only)

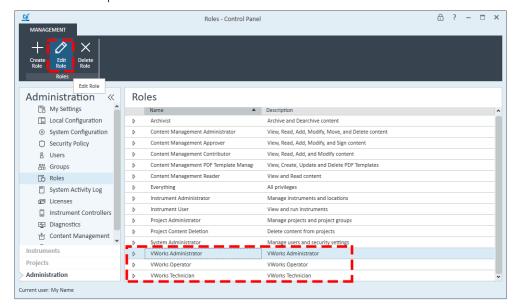
# IMPORTANT

Do not change the roles for the predefined VWorks groups. The VWorks software supports only the roles of Everything, VWorks Administrator, VWorks Technician, VWorks Operator, and VWorks Guest.

Use the following procedure to assign previously created or imported users to membership in a selected group.

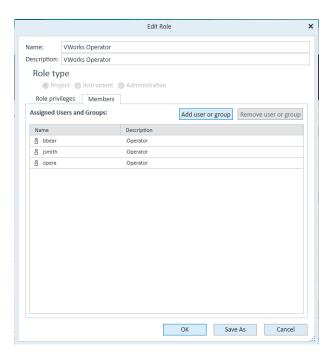
### To assign a group to a predefined VWorks role:

- 1 In the Control Panel navigation pane, click **Administration > Roles**. The Roles page appears.
- **2** Select one of the predefined VWorks roles:
  - VWorks Administrator
  - VWorks Technician
  - VWorks Operator

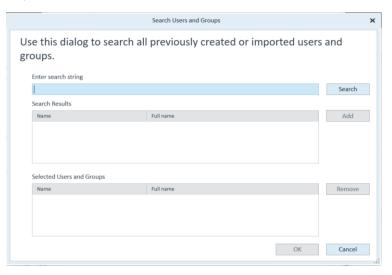


For a description of the role privileges, see "User groups and roles" on page 19.

In the ribbon, click **Edit Role**. The Edit Role dialog box opens.



4 In the **Members** tab, click **Add user or group**. The Search Users and Groups dialog box opens.



- 5 Type the user name in the **Enter search string** box, and click **Search**.
- 6 In the Search results box, select the name and click Add.
- 7 Click OK.

For imported groups, you will also assign permissions for a given project and a given instrument in subsequent procedures of this guide.

# Changing a password and managing user data

### Requirements

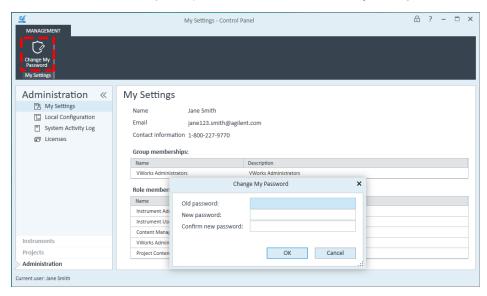
You may use the following procedures if:

- Your system is configured for Internal authentication
- You have Everything privileges
   Note: Users who do not have Everything privileges may log in to change their own password, but they will have limited access to other Control Panel features.

#### Changing your password

#### To change your password:

1 In the Control Panel navigation pane, click **Administration > My Settings**.



- 2 In the ribbon, click **Change My Password**. The Change My Password dialog box opens.
- 3 Type the **Old password**, **New password**, and **Confirm new password**.
- 4 Click OK.

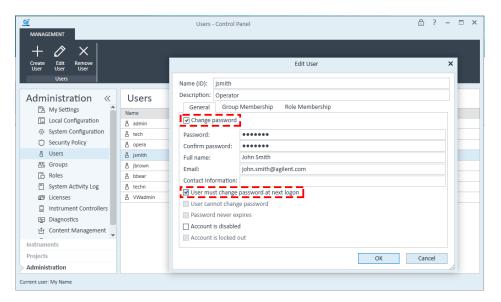
#### Editing user data and resetting user passwords

#### To edit a user's data and reset their password:

- 1 In the Control Panel navigation pane, click **Administration > Users**.
- 2 In the **Users** page, select the user.
- **3** In the ribbon, click **Edit User**. The Edit User dialog box opens.
  - In the **General** tab, you may change the user password. For example, to reset the user password:
    - Select Change password.
    - Clear the remaining password check boxes, and then select User must change password at next logon.
  - In the **Group Membership** tab, you may change the user's group assignment.
  - In the Role Membership tab, you may change the user's role assignment.

### 3 Configuring the software

Configuring users, groups, and roles



4 Click OK.

## Removing users

#### To remove a user:

- 1 In the Control Panel navigation pane, click **Administration > Users**.
- 2 In the **Users** page, select the user.
- 3 In the ribbon, click Remove User.

## Configuring VWorks project settings

The VWorks project folder is configured automatically during the VWorks software installation at

/VWorks Projects/VWorks

The project folder stores the VWorks labware entries, liquid classes, pipetting techniques, device files, protocols, forms, runsets, and other miscellaneous files for your protocols.

No additional projects are required.

## Workflow to configure VWorks project settings

Step	For this task	See
1	View the VWorks project settings.	"Viewing VWorks project settings" on page 29
2	Windows Domain authentication only. Assign project privileges to any imported groups.	"Assigning project privileges to imported groups (Windows Domain)" on page 30
3	Determine if you want to restrict file saving to the fourth level folder to maintain future compatibility with legacy ECM servers.	"About the VWorks project folder structure" on page 31

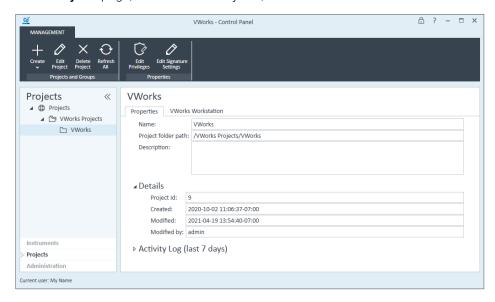
## Viewing VWorks project settings

### To view the VWorks project settings:

1 If you have not already done so, log in to the Control Panel



2 In the Projects page, click VWorks Projects, and then click VWorks.



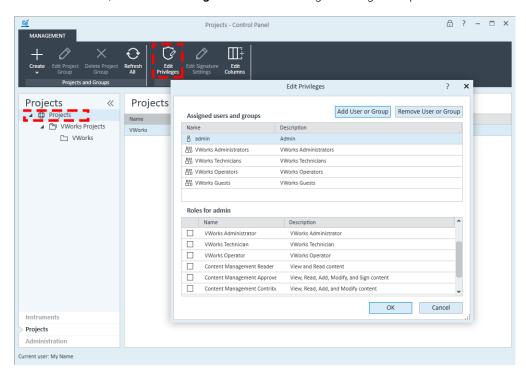
### Assigning project privileges to imported groups (Windows Domain)

By default, the roles of users or user groups are globally set for all project groups and projects. The role settings are inherited from the root node *Projects*.

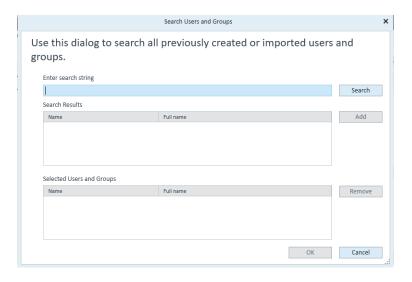
- If users are assigned to one of the predefined VWorks groups, the project privileges are already set globally. No additional project privileges are required.
- If users are part of an imported Windows group, perform the following procedure to assign global project privileges for the group.

### To assign global project privileges for an imported group:

- 1 in the Projects page select the Projects icon in the navigation pane, as the following figure shows.
- 2 In the ribbon, click **Edit Privileges**. The Edit Privileges dialog box opens.



3 In the **Edit Privileges** dialog box, click **Add User or Group**. The Search Users and Groups dialog box opens.



- **4** Use the **Search Users and Groups** dialog box to add the groups for the projects. Click **OK** after you finish adding groups.
- 5 Click **OK** to close the Edit Privileges dialog box.

If you have multiple projects, you may assign specific users or user groups to each project or project group using the following procedure.

#### To assign privileges for a specific project:

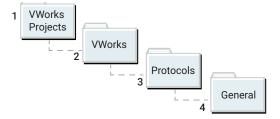
- 1 In the **Projects** page, select the relevant project in the navigation pane, and then click **Edit Privileges** in the ribbon.
- 2 In the **Edit Privileges** dialog box, clear the **Inherit privileges from parent** check box. Click **Remove** In the confirmation message.
- 3 In the Edit Privileges dialog box, click Add User or Group.
- 4 In the **Search Users and Groups** dialog box, locate and add the users or groups for the given project. Click **OK** after you finish adding groups.

## About the VWorks project folder structure

By default, the Shared Services storage for VWorks Standard is on the local drive at: C:/OLSS Projects/VWorks Projects/VWorks/

An administrator can create additional folders under the /VWorks Projects/VWorks/ folder to meet the needs of your organization, for example,

/VWorks Projects/VWorks/General/Protocols/



#### 3 Configuring the software

Understanding the instrument configuration

The legacy OpenLab ECM 3.x servers do not allow files to be saved in folders above or below the fourth level in a project. If compatibility with legacy OpenLab ECM 3.x servers is required, make sure you select the Restrict file saving to 4th level folders option in the VWorks software. For detailed instructions on setting this option, see the VWorks Automation Control Setup Guide.

## Understanding the instrument configuration

#### Instrument defined

In the context of OpenLab for VWorks, an instrument is either the VWorks computer that is physically connected to an automation device, such as the Bravo Platform, or the VWorks computer that is used for creating protocols, which is not necessarily connected to an automation device.

A configured instrument and project are required to log in to the VWorks software. Typically, only one instrument is configured in OpenLab Control Panel for the VWorks software.

## (Optional) Editing instrument properties

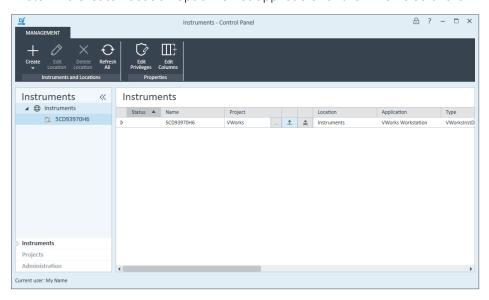
You can use the following procedure if you want to edit the instrument properties, for example, to change the instrument name.

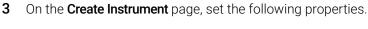
#### To create an instrument:

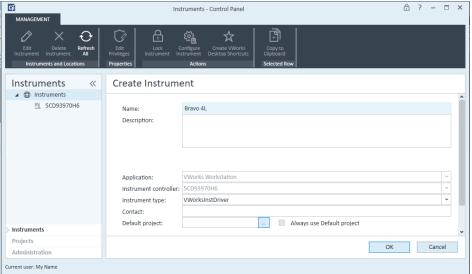
If you have not already done so, log in to the Control Panel



On the **Instruments** page, click **Create** , and then click Create Instrument. Note: The Create Location option is not applicable for the VWorks software.







Property	Description
Name	By default, the software uses the computer name.
	You can type a different name for the instrument. For example, if this computer controls a Bravo Platform, you might type Bravo.
	Note: When you create a VWorks desktop shortcut, this instrument name is used as the shortcut label.
Description	Optional. Type any comments about this instrument.
Application	VWorks Workstation (This value is fixed.)
Instrument controller	Computer name (This value is fixed.)
Instrument type	VWorksInstrDriver
Contact	Optional. Type the name or title of the contact for this instrument.

Property	Description		
Default project	Click the browse button ( and select a project in the Select Project dialog box, for example, VWorks Projects.		
	Select Project  None  Projects  VWorks  Vworks  None  Vworks  Vworks  Vworks  If you do not select a default project, you will be prompted to select a project anytime you launch this Vworks instrument.		
Always use Default project	Select the check box to prevent users from storing data for this instrument to a different project folder		

Before you can use the instrument, you must configure it.

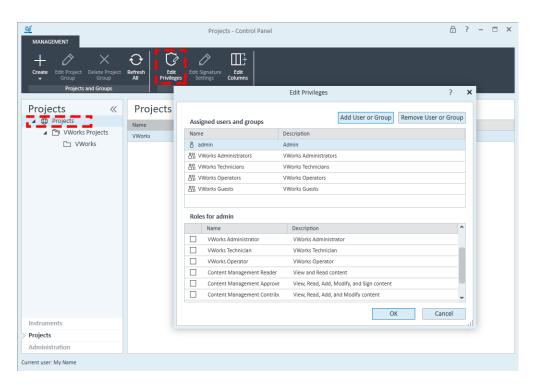
### Assigning instrument privileges for imported user groups (Windows Domain)

By default, the roles of users or user groups are globally set for all project groups and projects. The role settings are inherited from the root node *Projects*.

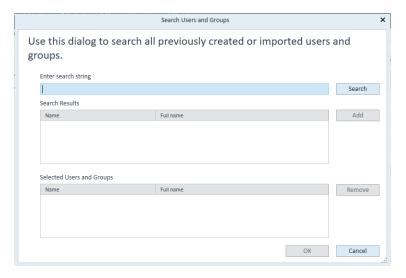
- If users are assigned to one of the predefined VWorks groups, the project privileges are already set globally. No additional project privileges are required.
- If users are part of an imported Windows group, perform the following procedure to assign global project privileges for the group.

#### To assign global project privileges for an imported group:

- 1 in the **Projects** page select the **Projects** icon in the navigation pane, as the following figure shows.
- 2 In the ribbon, click **Edit Privileges**. The Edit Privileges dialog box opens.



3 In the **Edit Privileges** dialog box, click **Add User or Group**. The Search Users and Groups dialog box opens.



- 4 Use the **Search Users and Groups** dialog box to add the groups for the projects. Click **OK** after you finish adding groups.
- 5 Click **OK** to close the Edit Privileges dialog box.

If you have multiple projects, you may assign specific users or user groups to each project or project group using the following procedure.

#### To assign privileges for a specific project:

1 In the **Projects** page, select the relevant project in the navigation pane, and then click **Edit Privileges** in the ribbon.

#### 3 Configuring the software

About configuring automation devices in VWorks

- 2 In the **Edit Privileges** dialog box, clear the **Inherit privileges from parent** check box. Click **Remove** In the confirmation message.
- 3 In the Edit Privileges dialog box, click Add User or Group.
- 4 In the **Search Users and Groups** dialog box, locate and add the users or groups for the given project. Click **OK** after you finish adding groups.

## About configuring automation devices in VWorks

To communicate with and to control Agilent automation devices, the VWorks software uses a device file, which contains the relevant devices. A device can be a robot (for example, automated liquid handler or microplate handler) or a location on the lab automation workstation that can hold a piece of labware. The following are examples of devices:

- BenchCel Microplate Handler
- Bravo Platform
- PlateLoc Sealer
- Microplate Labeler
- Labware MiniHub
- Platepad
- Waste Bin

For details on how to configure VWorks devices, see the *VWorks Automation Control User Guide* in the VWorks Knowledge Base.

## Configuring the email server

If you want to allow the VWorks software to send email notifications, for example, when a run error occurs, the Control Panel must be connected to an email server.

## Requirements

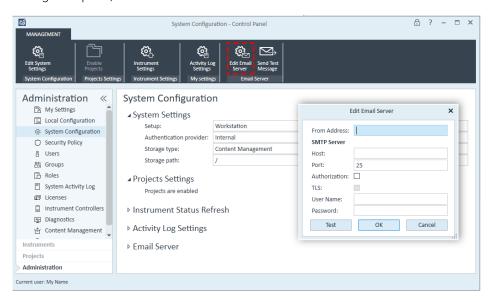
Work with your IT organization to meet these requirements.

- The computer running the VWorks software must be able to communicate with your outgoing email server (SMTP server). The email server settings must be configured in the Control Panel.
- After connecting to an email server in the Control Panel, you must also enable email notifications in the VWorks software Options dialog box. For details, see the VWorks Automation Control User Guide.

#### **Procedure**

#### To connect an email server to the Control Panel:

1 In the Control Panel **Administration** page, select **System Configuration** in the navigation pane, and then click **Edit Email Server** in the ribbon.



2 In the Edit Email Server dialog box, set the following properties.

Property	Description
From Address	The name of a valid email account on your mail server that will be used to send the notifications.
Host	The URL of the mail server.
Port	The TCP port used for outgoing mail.
Authorization	The option to specify that authorization is required.
TLS	Transfer Layer Security connection.
User Name	If authorization is required, the user name.

### 3 Configuring the software

Configuring the email server

Property	Description
Password	If authorization is required, the password.

- To send a test message, click **Test**. Enter an email address of a potential recipient and message, and then click **Send**.
- 4 Click OK.

# 4 System maintenance

This chapter includes the following topics:

- "Control Panel activity log and administrative reports" on page 40
- "Shared Services Maintenance utility" on page 42
- "Disaster recovery planning" on page 43
- "Software backup and recovery" on page 44
- "Data backup" on page 45
- "Data recovery" on page 47



## Control Panel activity log and administrative reports

This section describes the System Activity Log and Administrative Reports pages in the Control Panel.

For a description of license management, see "Licensing the software" on page 5. For a description of the authentication provider, security policy, and user management, see "Configuring the software" on page 13.

## System Activity Log

Note: For information on activity logs in the VWorks software, see the VWorks Automation Control User Guide in the VWorks Knowledge Base.

The System Activity Log contains information on the various events associated with Shared Services. You can filter the list in order to view only events of a specific type, in a specific time range, created by a specific user, or containing a specific description.

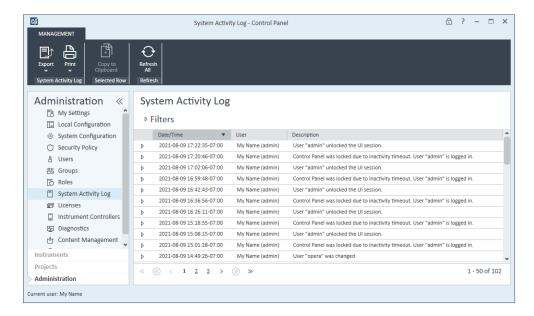
The following types of events are recorded:

- System
- Instrument
- Project Management
- User
- Group
- Security
- License

The messages can come from other components, such as the user management, system messages, or event messages. The System Activity Log records these events irrespective of whether you have been alerted to them or not.

#### To display the System Activity Log:

In the Control Panel navigation pane, click **Administration > System Activity Log**.



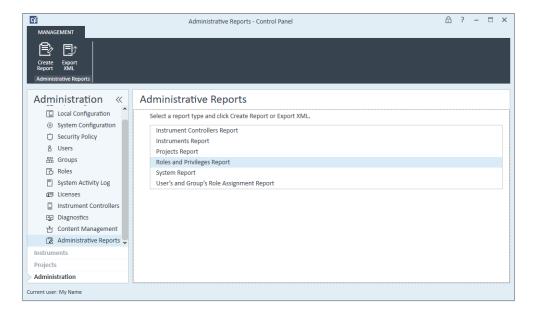
## Administrative Reports view

In the Administrative Reports view, you can additionally create and export various XML or PDF reports related to the system configuration, including:

- Instruments Report. Provides detailed information about configuration and access privileges for all online instruments on the system. Typically, one online instrument is configured for VWorks Standard.
- Projects Report. Provides detailed information about configuration and access privileges for all projects on the system.
- Roles and Privileges Report. Describes all roles defined on the system, including details of all privileges included in each role.
- **System Report**. Provides a consolidated view of the system, which includes projects, roles, users, and groups.
  - *Note:* Reports about instrument controllers and instruments are not applicable for the VWorks software.
- User's and Group's Role Assignment Report. Provides an overview of all users and groups with their assigned roles.

#### To display the Administrative Reports view:

In the Control Panel navigation pane, click **Administration > Administrative Reports**.



## Shared Services Maintenance utility

The Shared Services Maintenance utility is automatically installed with VWorks Standard to help administrators manage the system.

#### To open the Shared Services Maintenance utility:

Select Start ( ) > All Apps > Agilent Technologies > Shared Services Maintenance.

A user must have Windows administrator rights to access this utility.

## Backup and Restore tab

The Shared Services database contains information that is accessed by the Control Panel, such as users, roles, permissions, and projects. The Backup and Restore tab provides a simple interface for backing up and restoring the Shared Services database.

For details, see "Data backup" on page 45 and "Data recovery" on page 47.

#### Windows Domain tab

In the Shared Services Maintenance utility, the Windows Domain tab is relevant if you use Windows domain authentication to identify your VWorks Standard users.

VWorks Standard must be given access to the server where these credentials are stored. In the Windows Domain tab, you specify or change the credentials that VWorks Standard will use to access your Windows domain server.

## Server Settings tab

Although the Server Settings tab can be used to manage different server connections, VWorks Standard typically connects only to the local host computer.

## Disaster recovery planning

Prepare a recovery plan for the unlikely case of VWorks Standard becoming inoperable due to a hardware or software failure. This plan must include information and procedures for completely restoring the operating system, software, and data. Make sure that the disaster recovery plan has been tested and confirmed to be working.

The Disaster Recovery Plan must include the following:

Category	Details	
Computer specifications	CPU, memory, and hard disk configuration information	
Computer identity	Computer name, IP, domain, URI, and so forth	
	<ul> <li>Computer administrator information: user name and passwords for logging in to the server</li> </ul>	
	<ul> <li>If applicable, user names and passwords for the database</li> </ul>	
Software OS version and build		
Installation parameters	Installation folder	
	Project folder	
	<ul> <li>Installation log files</li> </ul>	
	Shared Services language	
	Shared Services database name	
Installed licenses	-	
Registered applications	_	
Third-party software information	Applications and their revisions and installation paths	
Backup and restore	Backup procedures	
	Backup media location and organization details	
	Restore procedures	

#### Ensure the following:

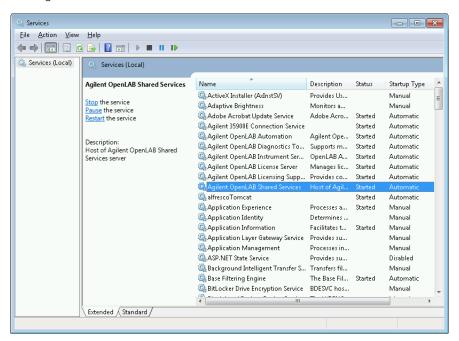
- Regular backups. Administrators should perform periodic full backups and differential backups between the full backups. These backups are the only way to restore a system in the event of a hardware or software failure.
- Tested procedures. Make sure your disaster recovery plan and restore procedures are tested to confirm that the backups are sufficient to restore your system.

## Software backup and recovery

### Software backup workflow

Step	For this task	Description
1	Exit any running applications.	Close the VWorks software, Control Panel, and any other open applications.
2	Stop Windows Services.	In Microsoft Windows, open Services and stop the following service: Agilent OpenLab Shared Services
3	Create an image of the current system.	See Microsoft Windows documentation.
4	Start Windows Services.	In Microsoft Windows, open Services and start the following service: Agilent OpenLab Shared Services

See Microsoft Management Console help for more information on stopping and starting services.



## About software recovery

See the Windows Installation documentation for detailed information on how to perform software recovery using a Windows Recovery DVD.

# Data backup

This section describes how to create backup copies of the Shared Services data and the VWorks data.

## Data backup workflow

Step	For this task	See
1	In the VWorks software, use the <b>Backup Manager &gt; Backup</b> command to create a backup file ( .vbk) of the following:	VWorks Automation Control User Guide (Backing up and restoring files)
	Existing state of the labware inventory database	
	Labware definitions and liquid classes	
	Pipette techniques	
2	If applicable, create a backup of the Experiments database by exporting all the experiment IDs to a backup file (.expTags file).	VWorks Automation Control Setup Guide (Archiving, exporting and importing experiment data)
	Also make a backup copy of any archived experiment ID files.	
3	Close OpenLab Control Panel and the VWorks software.	-
4	In Microsoft Windows, open Services and stop the following service:	Microsoft Management Console (MMC) help
	Agilent OpenLab Shared Services	
5	Perform a Shared Services database backup to back up the user management information.	"Performing Shared Services database backup" on page 46
6	Create a backup copy of the VWorks Projects folder.	"Creating a backup copy of VWorks Projects folder" on
	Store the backup copy in a secure location.	page 47
7	In Microsoft Windows, open Services and start the following service:	Microsoft Management Console (MMC) help
	Agilent OpenLab Shared Services	

### Performing Shared Services database backup

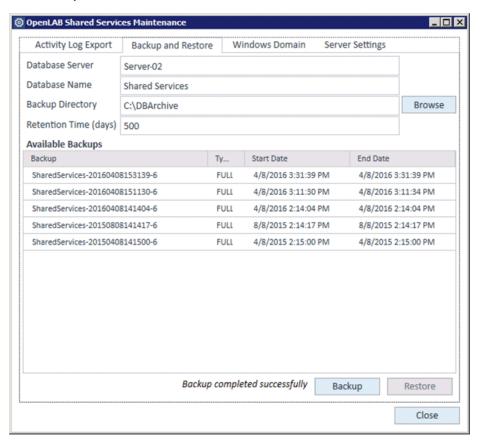
The Shared Services database contains information that is accessed by the Control Panel, such as users, roles, permissions, and projects. The Backup and Restore tab in the Shared Services Maintenance utility provides a simple interface for backing up and restoring the Shared Services database.



The Shared Services Maintenance utility automatically generates file names for the backup files. Do not change these file names, as the utility relies on a specific naming convention.

#### To create a backup copy of the Shared Services database:

- 1 Select Start ( ) > All Apps > Agilent Technologies > Shared Services Maintenance.
- 2 In the Backup and Restore tab, specify the following:
  - Backup Directory. Make sure you use a safe location as the backup directory, for example, a USB drive, a network location, or an external storage device.
  - **Retention Time (days)**. When a new backup is performed, the currently set retention time is used to delete any files older than specified.
- 3 Select the type of backup: Full or Differential.
- 4 Click Backup.



## Creating a backup copy of VWorks Projects folder

Note: The VWorks software has features that provide backups of only a subset of the VWorks files. For information on these features, see the VWorks Automation Control User Guide.

#### To make a backup of the VWorks Projects folder:

Copy the **VWorks Projects** folder specified during installation (for example, c:/olssprojects/vworks projects/) and any additional VWorks project folders that you created.

Back up the copy to a safe location, for example, a network location or an external storage device.

## Data recovery

## Data recovery workflow

Before running the recovery procedures, ensure that the OpenLab Control Panel and the VWorks software are closed.

Step	For this task	See
1	In Microsoft Windows, open Services and stop the following service:	Microsoft Management Console (MMC) help
	Agilent OpenLab Shared Services	
2	Restore the VWorks projects folder.	"Restoring the VWorks project content" on page 48
3	Restore the Shared Services database from a backup.	"Restoring Shared Services database" on page 48
4	In Microsoft Windows, open Services and start the following service:	Microsoft Management Console (MMC) help
	Agilent OpenLab Shared Services	
5	In the VWorks software, use the <b>Backup Manager &gt; Restore</b> command to restore a backup ( .vbk file) of the following:	VWorks Automation Control User Guide (Backing up and restoring files)
	<ul> <li>Existing state of the labware inventory database</li> </ul>	
	• Labware definitions and liquid classes	
	Pipette techniques	
6	In the VWorks software, if applicable, restore the Experiments database from an exported backup file (.expTags file) and any archived experiment ID file.	VWorks Automation Control Setup Guide (Archiving, exporting and importing experiment data)

## Restoring the VWorks project content

Note: The VWorks software has backup and restore features for only a subset of the VWorks files. For information on these features, see the VWorks Automation Control User Guide.

#### To restore the content in the VWorks Projects folder:

Copy the contents from the previously saved backup copy of the **VWorks Projects** folder to the location used at the moment of backup, for example:

c:/olssprojects/vworks projects

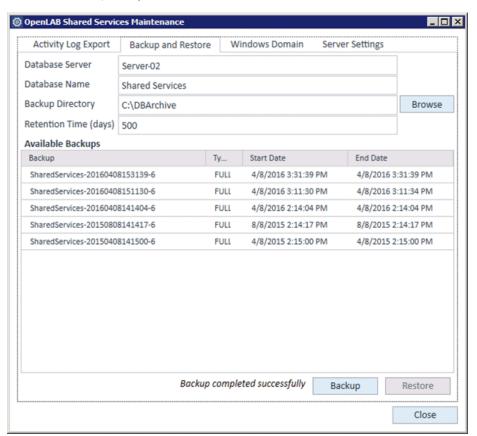
## **Restoring Shared Services database**



The Shared Services Maintenance utility automatically generates file names for the backup files. Do not change these file names, as the utility relies on a specific naming convention.

#### To restore the Shared Services database:

- 1 Select Start ( ) > All Apps > Agilent Technologies > Shared Services Maintenance.
- In the Backup and Restore tab, click Browse, and then select the folder that contains the previously created backups.
- 3 Select the backup that you want to restore, and click Restore.



# A Optional configuration

This appendix provides procedures that are not required:

- "About Control Panel projects" on page 50
- "Optional instrument configuration" on page 52



## **About Control Panel projects**

By default, the VWorks software is automatically configured to use the project /VWorks Project/VWorks

No other projects are required.

The Control Panel enables you to create additional projects using the following procedure. However, the following should be considered:

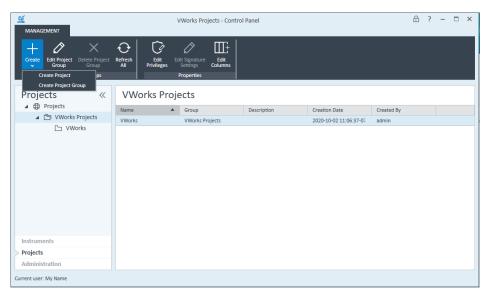
- The VWorks shortcuts on the desktop and in the Windows start menu are configured for the default VWorks project. If you create another project, see "About the Create VWorks Desktop Shortcuts feature" on page 52.
- Any project edits (for example, project privileges) apply only to the project you are editing.

## Creating a project in Control Panel (optional)

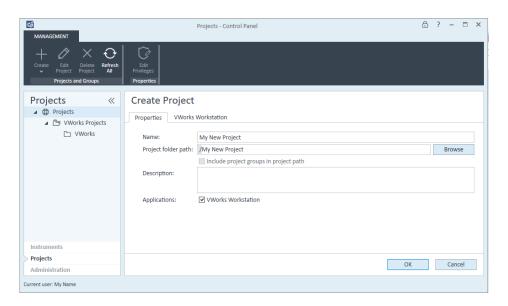
#### To create a project:

- 1 In the Control Panel **Cp** navigation pane, click **Projects**.
- 2 in the **Projects** page select one of the following:
  - **Projects**. To create a project at the same level as /VWorks Projects.
  - VWorks Projects. To create a project under /VWorks Projects.
- 3 Click Create in the ribbon, and then click Create Project or click Create Project Group.

*Note*: A project group is a collection of projects, for example, VWorks Projects is a project group that contains the VWorks project.



4 Specify the following in the Properties tab.

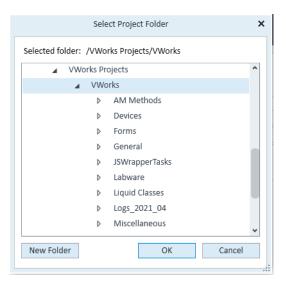


#### **Property** Description Name Type the name of the project. Project folder path

Click **Browse** to specify the path.

In the Select Project Folder dialog box, specify the folder.

The folder path must be at the root level of the Shared Services storage repository.



Description	Optional. Type any comments about this instrument.
Application	Select the <b>VWorks Workstation</b> check box.

5 Click **OK** to save the project.

## Optional instrument configuration

## About configuring an instrument

#### To configure an online instrument

- 1 In the Control Panel **Instruments** page, select the instrument in the navigation pane, and click **Configure Instrument** in the ribbon.
- 2 In the VWorks Instrument Configuration dialog box, type the name of the Workstation Folder, such as Workstation.

The Workstation Folder stores the VWorks global option settings, the device profiles, the log activity files, and so forth that are specific to this VWorks *instrument*.



For details on instrument properties, see "(Optional) Editing instrument properties" on page 32.

## About the Create VWorks Desktop Shortcuts feature

The VWorks installer automatically places a VWorks shortcut

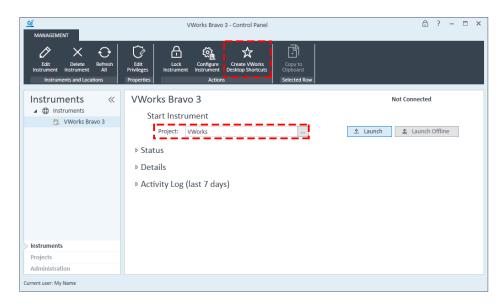


desktop. This shortcut specifies the default instrument and VWorks project when starting the VWorks software.

The Control Panel includes a Create VWorks Desktop Shortcuts feature that allows you to create additional shortcuts. If you have created projects in addition to the VWorks project in the Control Panel, you may want to have different shortcuts for those projects.

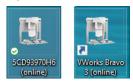
#### To create a customized VWorks desktop shortcut:

In the Control Panel **Instruments** page, select the instrument, and then click **Create VWorks Desktop Shortcuts** in the ribbon.



2 Notice that the shortcut label matches the name of the instrument. The following examples show a shortcut with the default computer name as the label and a shortcut for an instrument named VWorks Bravo 3.

Figure Examples of customized VWorks shortcuts



When you use a customized shortcut to start the VWorks software, the Control Panel login window appears. After you enter your login credentials, the VWorks software opens.

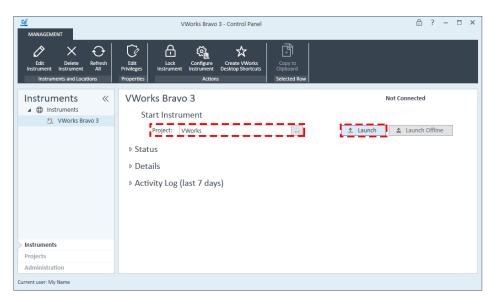


## Launching VWorks from the Instruments page

If you are already logged in to the Control Panel, you are not prompted for login credentials when your start VWorks from the Instruments page using the Launch button.

#### To launch VWorks from the Control Panel:

- 1 In the **Instruments** page, select the instrument.
- 2 Under Start Instrument, select the Project.
- 3 Click Launch.



	A Optional configuration Optional instrument configuration
This page is intentionally blank	

## In This Guide

This guide provides configuration and administration instructions for VWorks Standard edition, including:

- License generation with SubscribeNet
- Configuring and managing user access
- Software and data backup and restore procedures

## www.agilent.com

© Agilent Technologies, Inc. 2024

July 2024



D0004031 Revision C.3

