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Upgrading to Quality Window 6.1

Upgrade Guide

May 6, 2024

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Overview

This document is targeted to users that manage Quality Window deployments and are upgrading from Quality Window 5.X to Quality Window 6.1.X. This guide is not required for upgrades from Quality Window 6.0.

This Administrator guide provides Busitech's best practice for upgrading from Quality Window 5.X (QW5) to the Quality Window 6.1.X (QW6). If you are using this guide to upgrade to Quality Window 6.0.X please visit our website to download the latest version 6.1.X.

New in Quality Window 6

The first step in upgrading to QW6 is to understand what's changed since QW5.

What is different in Quality Window 6.1?

In April 2024, Busitech released Quality Window 6.1, the first major update to the Quality Window 6 platform. This update offers significant ease of transition for existing customers. Unlike its predecessor, Quality Window 5 users no longer need to migrate their applications manually. Quality Window 6.1 introduces backward compatibility by seamlessly reading both QW5 and QW6 file formats. This ensures a smooth transition, as file names and extensions remain unchanged. Only when administrators modify an application will the system automatically migrate the format to Quality Window 6, preserving file names and extensions.

This marks a departure from the process required by Quality Window 6.0, which necessitated migrating QW6 applications to a new file format, including changes to file names and extensions. This previously forced customers into lengthy data migration processes before they could leverage the new platform's capabilities.

Inspired by customer feedback, this streamlined approach enables organizations to effortlessly integrate Quality Window 6.1 into their systems. Users can now quickly benefit from the supported software, which includes security patches and feature updates, with minimal effort.

What's New in Quality Window 6 vs Quality Window 5?

Administrators can review the major changes between QW5 and QW6 by reviewing the [Quality Window 6 - New Features Overview](#) document.

In addition, reviewing the [release notes](#) can also provide additional updates that were not available when QW6 was first released in 2020.

Try it out!

Next step is to try Quality Window 6 by [downloading a 30-day trial](#) to see how it works. QW 6 is designed to co-exist with QW5 on the same computer, therefore there is no risk of impacting your existing QW5 installation.

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****Note: We recommend not making administrative changes to live applications with the trial as it may migrate scripts/application schemas that could result in issues when using applications in QW5. Make a copy of any application you want to experiment with.*

Concurrent Licensing

In QW6, the default licensing model is concurrent licensing. This model provides more flexibility for organizations to be able to install as many QW6 instance as desired, only limited by concurrent use. To learn more about concurrent licensing, visit our online licensing guide [Understanding Concurrent Licensing in QW6](#).

If standalone licensing is required, contact sales@busitech.com to discuss your needs and Busitech will be happy to work through a licensing option that suits your unique needs.

Security

Security is one of the major areas of change in QW6. You can refer to our [Security implementation guide for QW6 here](#) to understand what's best for your organization's needs. QW6 can import your existing QW5 security settings which is covered below.

Upgrading to Quality Window 6.1

With the release of QW 6.1 the upgrade from QW 5 is much simpler and straight forward. Not all the steps below are mandatory but should be carefully considered as you plan your QW6 deployment. The basic steps are the following:

1. Install Master Quality Window Instance
 - a. Migrate Shared Resources if applicable.
2. Validate Shared Configuration.
3. Configure Security if applicable.
 - a. Import legacy security accounts if necessary.
4. Install remainder Quality Window instances.
 - a. Configure Shared Resources

Install Master Quality Window Instance

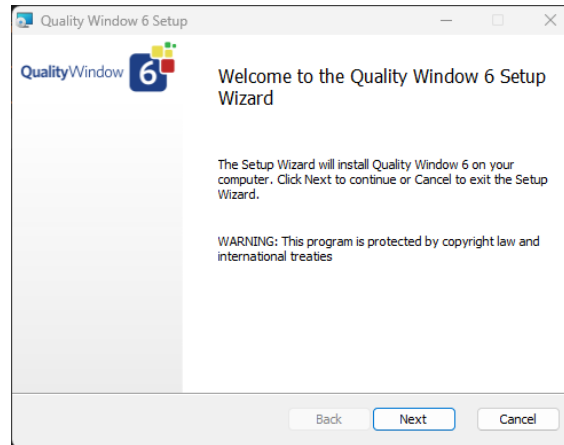
It is highly recommended that all upgrades to QW6 start with a master instance that can be used to setup different shared configurations for Quality Window. This step is especially useful when you are upgrading an existing network deployment of QW5 that uses shared configuration, shared security, and shared application/data folders.

Download the latest version of Quality Window from the link Busitech provided and install the latest version. If upgrading and existing QW 5 deployment, it is recommended that this installation be done on a machine that has an existing properly configured QW 5 installation. This enables the installer to optionally migrate your QW 5 settings making your upgrade process easier. See [Migrate Shared Configuration](#) for more details.

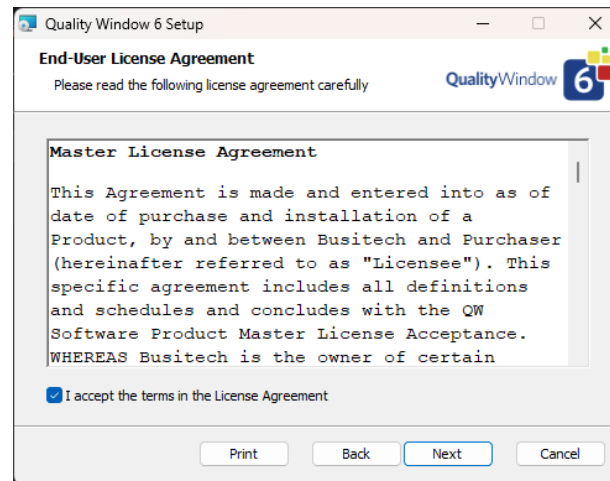
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Installation Steps

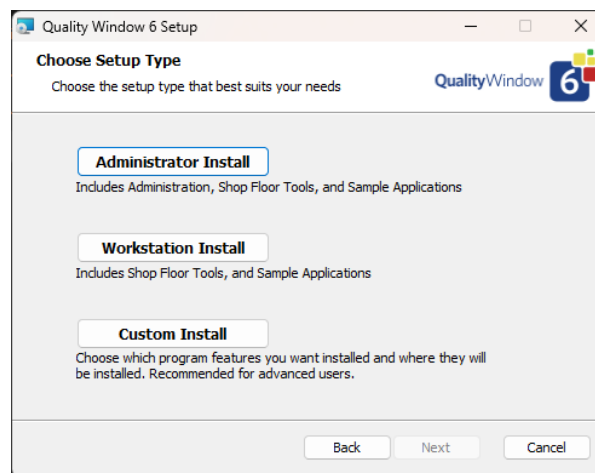
1. Open/Run installer from download link provided by Busitech: 'QW6.1.X.msi'



2. Click 'Next'

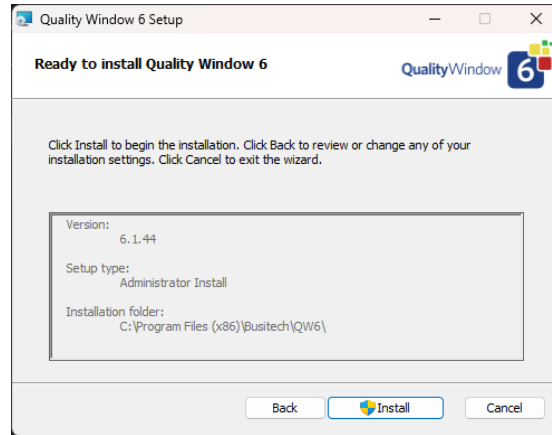


3. Review and Accept License Agreement and click 'Next'

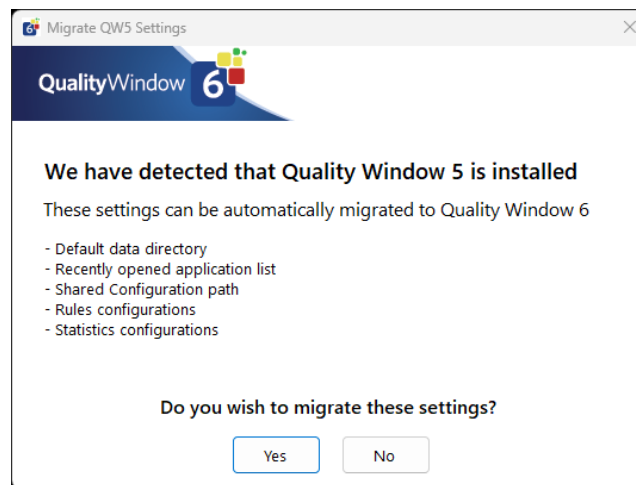


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4. Select Administrator install if installing Master Instance, otherwise select the appropriate installation for the device.



5. Click Install. You will be prompted for administrator permissions to complete the installation. Grant permission by clicking yes as a user with Administration permissions on the device.



Example QW5 Detection Prompt

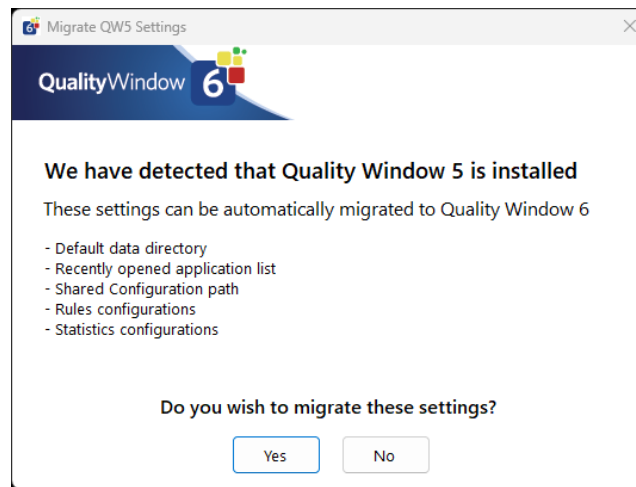
6. If an existing QW5 installation is detected a message prompt will be displayed asking if you want to migrate. See next section '[Migrate Shared Configuration](#)' for details. Click 'Yes' or 'No' depending on your needs.
7. The last step is to click Finish on the installer, which completes the installation. Follow the below steps to ensure you configure your instance properly.

Migrate Shared Configuration

Like Quality Window 5, Quality Window 6 is designed to use shared configurations for the following configurations:

1. Rules Configuration
2. Statistics Configuration
3. Units of Measure Configuration
4. Security Configuration.
5. QW Data Database

During the install process if an existing Quality Window 5 installation is detected, an option to migrate existing configuration is presented.



Clicking 'Yes' to this message will migrate the following QW5 configurations:

1. Default Data Directory
2. Recently opened QW Application list
3. Shared Configuration Path
4. Rules Configuration
5. Statistics Configuration
6. Global Script

What's not migrated?

Both the Units of measure and Security configurations are not migrated. The units of measure are not migrated due to new capabilities in the QW6 version, and most customers do not edit this file in QW5.

The Global Script will not be migrated as it needs to be updated to a new file extension. If you use scripts please see Migrating scripts section below for more details.

For security reasons, the security configuration in QW5 which had known vulnerabilities with password storage, is not automatically migrated due to the risk of imported compromised passwords. See below steps to import previous settings if desired.

Validate Shared Configuration

As part of configuring your master installation, it is recommended to validate your shared configuration. The goal is to ensure that all are configured properly on your master instance so that each subsequent installation can reference the same folders.

Please review the documentation on the following areas (if applicable)

1. Units of Measure
 - a. [Video Tutorial](#)
2. Rules
 - a. [Video Tutorial](#)
3. Statistics
 - a. [Video Tutorial](#)
4. Shared Configurations
 - a. [Video Tutorial](#)
 - b. [PDF Guide](#)

Configuring Security

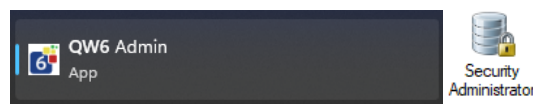
If your organization currently uses security in Quality Window 5 or is interested in configuring security in Quality Window 6, please review the available resources from Busitech’s Knowledge Base to understand the security capabilities built into Quality Window 6.

1. [PDF Admin Guide](#)
2. [Video Tutorial](#)

Importing Legacy Quality Window 5 Security Database

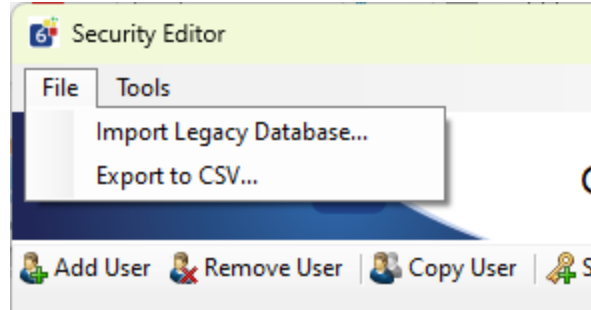
***** Quality Window 5 has a known security vulnerability with password storage. It is recommended to not import pre-existing QW5 user accounts and instead create new user accounts with new passwords.**

To import your legacy security database, open QW6 Admin and click the “Security Administrator” icon in the Shared Data and Scripts section.



In the security editor, click “File -> Import Legacy Database” which will bring in all users and passwords into QW6.

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Quality Window Script Migration

Quality Window 6.1 will work with existing Quality Window 5 Application and Folder scripts seamlessly except for the Global Script which will need to be migrated to a new filename. The scripts can run as is with existing Quality Window 5 code but if opened in QW Admin, QW Admin will prompt the administrator to auto update the scripts to reference Quality Window 6 object references as seen below.

Quality Window 5 to 6 Object Reference map

Quality Window 5 Reference	Quality Window 6 Reference
QWAccessClass	QWAccess60
QWAccessClass.QWAccess	QWAccess60.Connection
QWTool	QWTool60
QWTextClass	QWText60
QWLogView	QWLogView60
prjQWSelect	QWSelect60
QWLicense	QWLicense60
QWRep	QWRep60
QWComSrv	QWComSrv60
QWSQL	QWSQL60

If your organization has heavy usage of scripts in your Quality Window 5 deployment Busitech recommends reaching out so we can assist you with planning your migration.

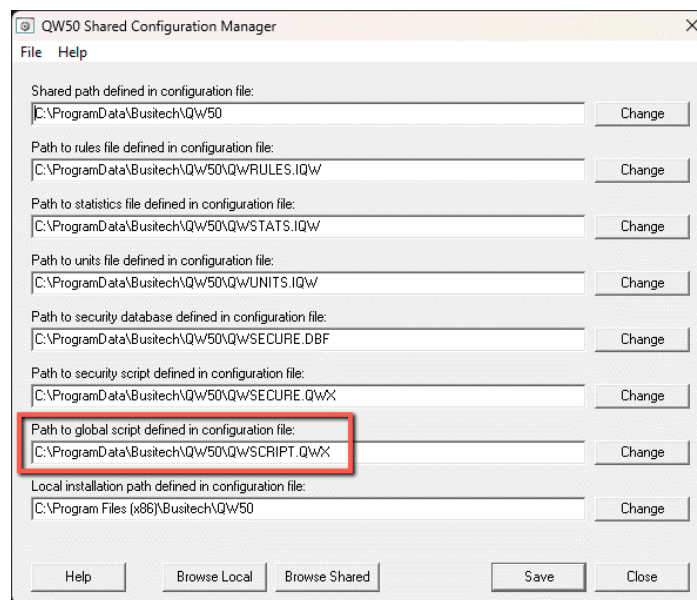
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Migrating Global Script

To migrate your global script, copy the contents of your QW5 Global script (QWScript.qwx) into the Global script in QW Admin Script editor. The QW5 global script is typically found in one of the three listed locations:

1. Shared Configuration Folder
2. C:\ProgramData\Busitech\QW50\QWSCRIPT.QWX
3. C:\Program Files (x86)\Busitech\QW50\QWSCRIPT.QWX

If unsure about the location run the following utility on your Quality Window 5 device to retrieve the global script location: 'C:\Program Files (x86)\Busitech\QW50\QW5SharedConfig.exe'



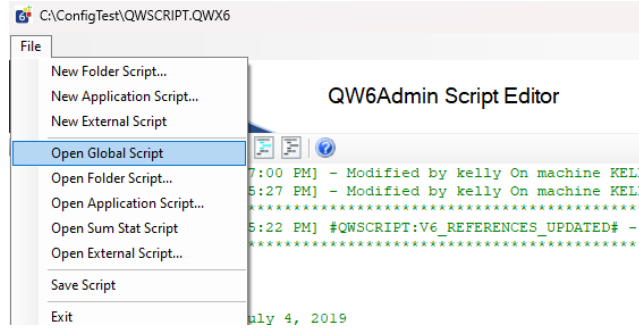
QW5SharedConfig.exe utility example

Open QW Admin script editor



Open QW6 Global Script by clicking File -> Open Global Script

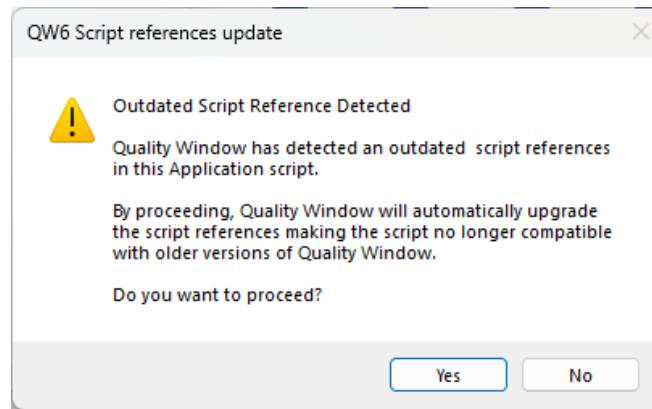
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Paste contents of the QW5 Global Script into this editor and click save.

Auto Script Migration

As mentioned previously, if any script is loaded in QW Admin (Application, Folder or Global) that contains QW5 object references, Quality Window will prompt the administrator to auto migrate the scripts to the Quality Window 6 object references.



Yes - If yes is selected, all references in the table below will be updated to their Quality Window 6 equivalent. A comment will also be added to the top of the document indicating the script was migrated. The added comment should not be removed as it also improves performance as it will tell Quality Window to not have to support QW5 references.

*****Note: Once upgraded, these scripts will no longer work and may error out in Quality Window 5. If QW5 support is needed while you upgrade, select "No" option until your entire deployment is upgraded to Quality Window 6.**

Example comment:

```

.....
[2024-04-03 4:15:22 PM] #QWSOCKET:V6_REFERENCES_UPDATED# - Script references automatically updated by kelly on machine KELLYSURFACES (do not remove)
.....
    
```

No - If no is selected, the script will remain unchanged. Quality Window will still work with the old references because the product magic replaces Quality Window 5 references with the updated QW6 versions.

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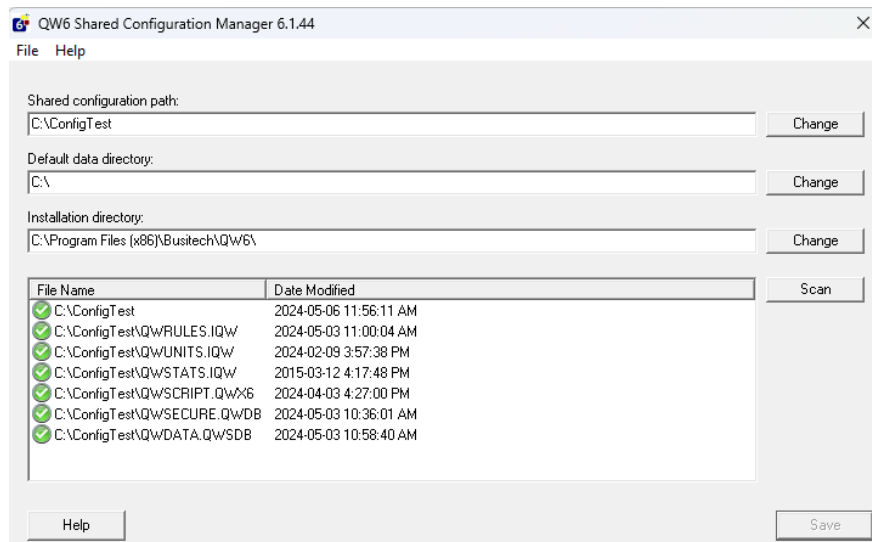
Install remainder Quality Window Instances

Now that you have configured all your shared configurations, you are ready to install the remainder Quality Window instances in your environment.

Install the latest version provided to you by Busitech, and lastly ensuring that your shared configurations settings are set to the same values as your master copy.

1. Shared Configuration Path
2. Default Data Directory

Then click scan to ensure that all files are detected.



If “QWData.QWSDB” is not showing as detected (green checkmark), it can be ignored, or opening email settings will auto create the file.

If you require support or if you have issues with this installation, please contact [Busitech Support](#) and we would be happy to provide you upgrade guidance, software support or if needed, update our documentation.