

SAS[®] Quality Knowledge Base for Contact Information 29

Installation and Configuration Guide

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Table of Contents

- Obtaining a SAS Quality Knowledge Base 2**
 - SAS Software Order 2
 - SAS Support Site 2
- Downloading and Installing a QKB 4**
 - For Use on a CAS Server 4
 - For Use on Windows for SAS 9.4 and DataFlux..... 4
 - For Use on UNIX for SAS 9.4 and DataFlux..... 7
 - Configuring Your SAS Data Quality to Use Your QKB 9
 - Merging Your QKB with an Existing QKB 9
- Recommended Reading 10**

Obtaining a SAS Quality Knowledge Base

You can obtain a SAS Quality Knowledge Base (QKB) in two ways:

- [SAS Software Order](#)
- [SAS Support Site](#)

SAS Software Order

A variety of SAS software products use the QKB to perform data quality operations. When placing a SAS software order for a product that uses the QKB, you will automatically receive the latest QKB.

SAS Viya

A QKB Archive (QARC) file containing a QKB is automatically included with your SAS Data Quality offering for SAS Viya. Use SAS Environment Manager to manage QKB software on a SAS Cloud Analytics Services (CAS) server. For more information, see [SAS Viya Administration: QKB Management](#).


SAS 9.4

Use the SAS Deployment Wizard to install the QKB as a part of a SAS 9.4 product such as DataFlux Data Management Studio or SAS Data Quality Server. When you receive your licensed SAS software, you receive a Software Order Email (SOE) that describes how to install your order. The email provides links to tools that can assist you during the installation process. The steps for installing the QKB using the SAS Deployment Wizard are documented in the Best Practices section of the [SAS Deployment Wizard and SAS Deployment Manager: User's Guide](#).

SAS Support Site

To download the latest QKB, go to the Downloads & Hot Fixes section at support.sas.com/downloads/.

From the **SAS System Software** section, select **SAS Quality Knowledge Base (QKB)**.



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 - SAS System Software
 - SAS DataFlux Software
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 - Third Party Software
 - Academic Products
 - Legacy Files
 - Samples & Add-on Modules

Downloads

The Downloads application contains updates for SAS products and solutions, SAS DataFlux software, JMP software, and other software products.

Product Category
Release Date

SAS System Software

- Analytical Solutions
- AppDev Studio
- Asset Liability Management
- Base SAS Software
- Enterprise Miner
- Insurance Facilitated Content
- Model Implementation Platform
- Model Risk Management
- ODBC Drivers
- Risk and Finance Workbench
- Risk Regulatory Content
- SAS Add-in for Microsoft Office
- SAS BI Dashboard Add-on Installation Scripts
- SAS Bridge for Euri Software
- SAS Clinical Data Integration
- SAS Decision Services
- SAS Detail Data Store for Banking
- SAS Download Manager
- SAS Drivers for JDBC and SASCONNECT
- SAS Enterprise Guide
- SAS Environment Manager
- SAS Grid Manager
- SAS Integration Technologies
- SAS Migration Utility

SAS DataFlux Software

- DataFlux Data Management Platform
- DataFlux Data Updater
- DataFlux dFlowServer

- SAS Model Manager
- SAS Open OLAP Solutions
- SAS PC Files Server
- SAS Providers for OLE DB
- SAS Quality Knowledge Base (QKB)
- SAS Regulatory Risk Management Content
- SAS Remote Browser Server
- SAS Scalable Performance Data Server
- SAS Solution Components
- SAS Studio
- SAS System Viewer
- SAS Text Analytics
- SAS Universal Mapper
- SAS Viya
- SAS Web Parts for Microsoft SharePoint
- SAS/ETS Software
- SAS/GRAPH Software
- SAS/IML Software
- SAS/Insight Software
- SAS/SECURE Software
- SAS/SHARE Software
- SAS/Visualize Administrator Software
- Standard Deployment Plans

On the Downloads page for SAS Quality Knowledge Base, choose the version that you want to download. Your next steps depend on the data quality software that you will use with the QKB.

Downloading and Installing a QKB

Select the correct environment for your next steps.

- [For Use on a CAS Server](#)
- [For Use on Windows for SAS 9.4 and DataFlux](#)
- [For Use on UNIX for SAS 9.4 and DataFlux](#)

For Use on a CAS Server

1. Select the **QARC** file. A login prompt opens.
2. Enter your email address and password to log on.
3. Read the SAS License Agreement. Click **Accept** or **Do Not Accept**.
4. Select a location where you can save the QARC file to complete the import process.

See the CAS product documentation for information about importing your QKB to a CAS server. For example, see the [Import a QKB](#) section in the [SAS Viya Administration Guide: QKB Management](#), for steps on importing a QKB into a CAS server.

For Use on Windows for SAS 9.4 and DataFlux

1. Select **Windows 32-bit** or **Windows 64-bit**.
2. A login prompt opens. Enter your email address and password to log on.
3. Read the SAS License Agreement. Click **Accept** or **Do Not Accept**.
4. A message appears, asking **Do you want to run or save qkb-ci-v29-win64.exe (or -win32.exe) from support.sas.com?** Click **Run** or **Save**.
5. Follow the steps in the SAS Quality Knowledge Base for Contact Information 29 wizard.

Installation Instructions

To launch the SAS QKB setup program on Windows, double-click on the setup application file. During the installation, you are prompted for information. Follow the instructions on the **Choose Install Location** page, or see below for more information.

Program Directory

This directory is typically located under your SASHome directory, which is normally in the Program Files directory. The Program Files directory contains program files,

applications, utilities, help files, and logs. With the exception of the logs, content installed in this directory typically remains unchanged after installation.

Data Directory

By default, the data directory is located under a separate, hidden directory called ProgramData. QKB content in this directory can be modified by customizing your QKB. If you are re-installing the QKB, you must select a directory that is different from the directory containing your original SAS QKB data.

Allow All Users to Modify Files in Data Directory

Some Windows environments restrict who can access directories. If you select this option, it enables all authenticated users full access rights to the data directory. If you do not select this option, there are no changes to the security settings of the data directory. An administrator will need to provide users or groups explicit access by using Windows security.

The options in the Choose License Location dialog box include **No license file** and **License file** path.

No License File

Select the **No license file** option to choose from a complete list of available QKB locales that you can install.

Note: You must have a license to use any of the available QKB locales.

License File

Select the **License file** option if you have your license file and you want to install all licensed locales. Click **Browse** to locate the path and filename of your license file. This file is used to determine which QKB locales are installed.

Choose Locales

If you selected the **No license file** option, a dialog box appears with a complete list of available QKB locales. Select one or more locales from the **Select locale(s)** list.

QKB Registration

The QKB Registration dialog box appears after you have selected your QKB locales or specified the license file.

The **QKB Name** is used to identify the QKB in DataFlux applications like DataFlux Data Management Studio. In SAS data management applications like SAS Data Preparation and SAS Data Loader, you must choose or enter a name using SAS Environment Manager.

The QKB name must be unique in the system. This means that you cannot use the same name that was used in an earlier QKB installation.

Active QKB for Data Management Studio?

If you want to set the QKB as the active QKB for DataFlux Data Management Studio, select this option.

Note: When you select this option, your previous QKB becomes inactive. Consider this option carefully, and leave the check box unchecked if you want to continue to use a previously active QKB. You can activate the new QKB later within DataFlux Data Management Studio.

Command Line Installation Option

To install the SAS QKB on Windows without user intervention, invoke the setup application from the Windows command line using the following parameters:

Parameter	Description			
/ACTIVE	If present and set to TRUE, the installed QKB is set to active for DataFlux Data Management Studio.			
/DATADIR	The path for the data directory that contains QKB data and logic files.			
/INSTDIR	The path for the program directory that contains installation files and documentation.			
/LOCALES	Comma-separated list of ISO code names for the locales to be installed. Locale ISO code names are listed below:			
	Locale Name	ISO Code Name	Locale Name	ISO Code Name
	Afrikaans, South Africa	AFZAF	German, Germany	DEDEU
	Arabic, Egypt	AREGY	Greek, Greece	ELGRC
	Chinese, China	ZHCHN	Hebrew, Israel	HEISR
	Czech, Czech Republic	CSCZE	Hungarian, Hungary	HUHUN
	Danish, Denmark	DADNK	Italian, Italy	ITITA
	Dutch, Belgium	NLBEL	Japanese, Japan	JAJPN
	Dutch, Netherlands	NLNLD	Korean, South Korea	KOKOR
	English, Australia	EN AUS	Malay, Malaysia	MSMYS
	English, Canada	ENCAN	Norwegian, Norway	NONOR
	English, Hong Kong	ENHKG	Polish, Poland	PLPOL
	English, India	ENIND	Portuguese, Brazil	PTBRA

Parameter	Description			
	English, New Zealand	ENNZL	Portuguese, Portugal	PTPRT
	English, Philippines	ENPHL	Russian, Russia	RURUS
	English, South Africa	ENZAF	Slovak, Slovakia	SKSVK
	English, United Kingdom	ENGBR	Spanish, Mexico	ESMEX
	English, United States	ENUSA	Spanish, Spain	ESESP
	Finnish, Finland	FIFIN	Swedish, Sweden	SVSWE
	French, Belgium	FRBEL	Thai, Thailand	THTHA
	French, Canada	FRCAN	Turkish, Turkey	TRTUR
	French, France	FRFRA		
/QKB_NAME	The name assigned to the QKB.			
/S	Uppercase "S" specifies a silent install.			

Below is an example of the command line with parameters for installing the English, United States and French, France locales:

```
qkb-ci-v29-win64.exe /S /QKB_NAME="SAS QKB CI29"
/INSTDIR="C:\Program Files\SAS\QKB\CI\29"
/DATADIR="C:\ProgramData\SAS\QKB\CI\29"
/ACTIVE="true" /LOCALES="ENUSA,FRFRA"
```

Note: For 32-bit Windows installations, the name of the setup application is **qkb-ci-v29-win32.exe**. For 64-bit Windows installations, the name of the setup application is **qkb-ci-v29-win64.exe**.

For Use on UNIX for SAS 9.4 and DataFlux

1. Select the appropriate download file for your UNIX platform. A login prompt opens.
2. Enter your email address and password to log on.
3. Read the SAS License Agreement. Click **Accept** or **Do Not Accept**.
4. Select the TAR for your QKB.

Installation Instructions

Enter the following command at your UNIX command prompt:

```
cd /opt/sas
```

If you want to install your SAS software in a directory other than the default location, /opt/sas, enter that location instead of /opt/sas. Note that all files are installed in a subdirectory called qkb. Enter the following command:

```
gzip -c -d <path_to>/qkb-ci-v29-<platform>.tar.gz | tar xvf  
-
```

Replace *<path_to>* with the directory where the TAR file will be located. Replace *<platform>* with the platform name (linux, sol64, and so on). Enter the following command:

```
perl qkb/install.pl
```

The install script takes control of the installation process. You are prompted for information about where to install the QKB data files and which locales will be installed.

License Instructions

During the installation, you are prompted about the QKB license file. You should have a license file for the QKB.

If you have a license file for this QKB, only the locales that you have licensed are installed. If you do not have a license file, you must choose the locales to be installed individually.

Do you have a license file? (y/n) [n]:

If you answer yes, you are prompted for the location (path and filename) of the license file. This license file is used to determine which QKB locales will be installed.

If you answer no, you are prompted to install each QKB locale individually.

Note: You must have a license to use any of the available QKB locales.

Re-install or Upgrade Your QKB

During a re-install or upgrade, you might encounter the following prompts. Answer each prompt as appropriate for your site.

You have chosen a location that already contains an instance of Quality Knowledge Base CI - 29.

Re-install the software in this location? (y/n) [n]:

This prompt explains that this QKB has already been installed in the installation location that you selected. If you answer yes, a confirmation prompt follows.

If you answer no, the installation stops. You will need to rerun the install script and select a different installation location.

You have chosen a location where there is another SAS product installed.
Product: Quality Knowledge Base - CI - 28.

Please choose another location for this installation.

This prompt explains that an earlier version of the QKB has already been installed in the installation location that you selected. The installation stops. You will need to rerun the install script and select a different installation location.

Do you want to replace the data in the existing Data Directory? The existing data will be copied to a backup directory. If you choose not to replace the existing data, you can choose a new location for the data.

Replace existing data? (y/n) [y]:

This prompt asks you to confirm that you want to back up and replace the existing data in either a reinstallation or upgrade. If you answer yes, the data directory will be backed up. If you answer no, the installation stops. You will need to rerun the install script and select a different installation location.

Configuring Your SAS Data Quality to Use Your QKB

See your specific product documentation for information about configuring your SAS data management product to access your QKB. For example, for information about configuring your QKB for DataFlux Data Management Studio, refer to the [DataFlux Data Management Studio](#) online Help.

Merging Your QKB with an Existing QKB

If you customized a previously installed QKB, you can merge your newly installed QKB with an existing QKB, except for QARC files.

Search on "QKB merge tool" in the [DataFlux Data Management Studio](#) online Help for information about how to merge your existing QKB with the latest QKB.

Note: Merging requires DataFlux Data Management Studio. If you do not have DataFlux Data Management Studio, contact [SAS Technical Support](#) for assistance.

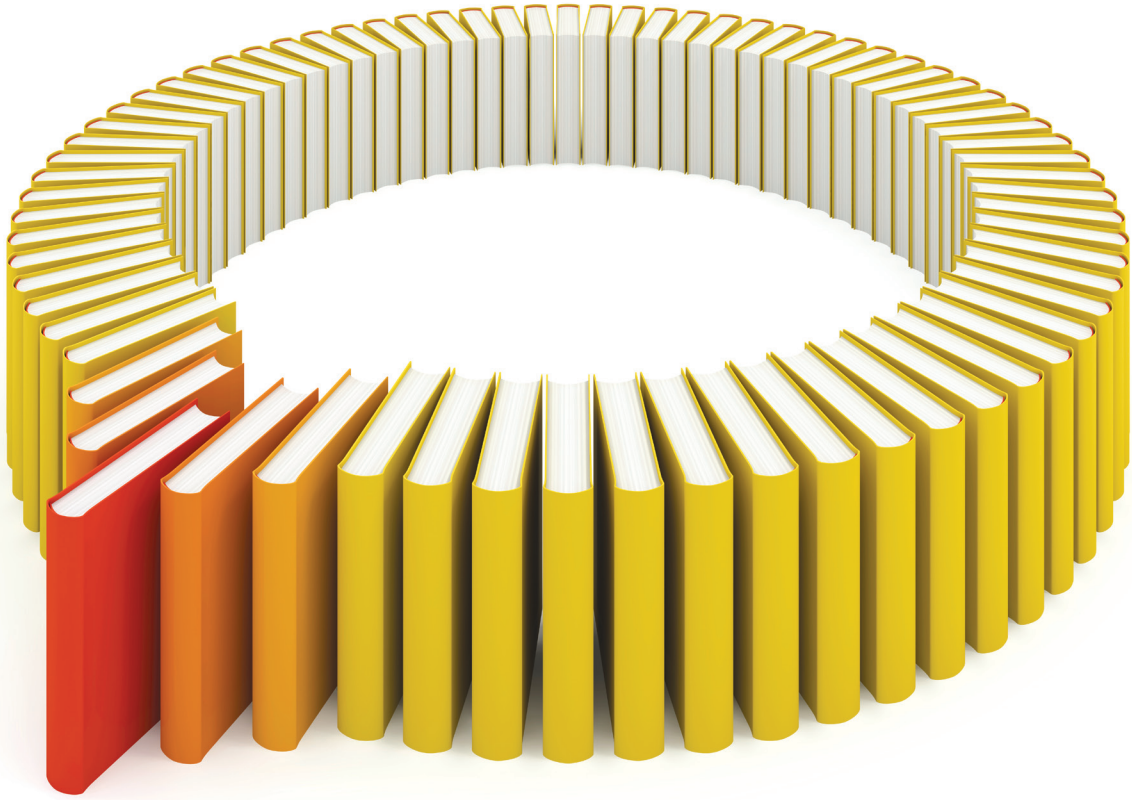
Recommended Reading

Here is the recommended reading list for this title:

- *DataFlux Data Management Studio: Installation and Configuration Guide*
- *DataFlux Data Management Studio: User's Guide*
- *SAS Data Preparation: Getting Started*
- *SAS Data Quality Accelerator for Teradata: User's Guide*
- *SAS Data Quality Server: Reference*
- *SAS Data Quality Services: QKB Management*
- *SAS Data Quality: Getting Started Guide*
- *SAS Environment Manager: User's Guide*
- *SAS MDM: Administrator's Guide*
- *SAS MDM: User's Guide*
- *SAS Viya Administration: QKB Management*
- *SAS Viya for Linux: Deployment Guide*

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