SAS® Quality Knowledge Base for Contact Information 33

Installation and Configuration Guide

SAS® Documentation

The correct bibliographic citation for this manual is as follows: SAS Institute Inc. 2023. *SAS® Quality Knowledge Base for Contact Information 33: Installation and Configuration Guide*. Cary, NC: SAS Institute Inc.

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February 2023

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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 with SAS Cloud Analytic Services (CAS). For more information, see **SAS Viya Administration: QKB Management**.

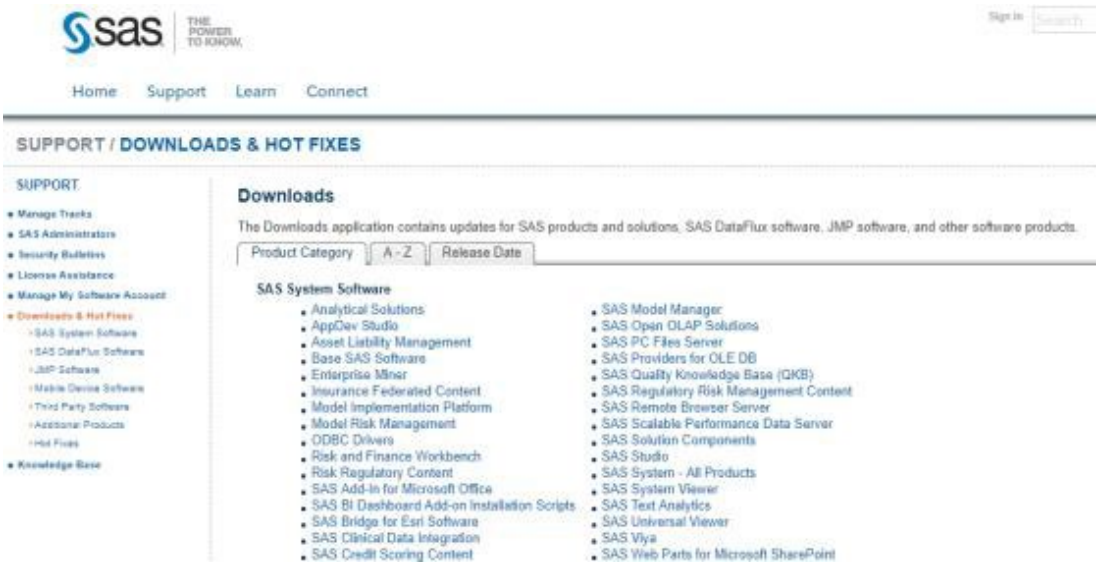
SAS 9.4

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 **https://support.sas.com/downloads/**.

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



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.

Product Management Controlled Locales

The following locales are controlled by SAS Data Management Product Management in this QKB:

- English, Singapore (ENSGP)
- Romanian, Romania (ROROU)
- Slovenian, Slovenia (SLSVN)
- Spanish, Argentina (ESARG)

These locales require special approval from SAS Data Management Product Management. As delivered, they inherit only the definitions that are defined at the global level, and in some cases, the language level. In this QKB, they do not contain any definitions that are defined specifically for their countries.

Definitions that are specific to these countries can be obtained on demand by contacting SAS Data Management Product Management at **qkb-contact@sas.com**. These custom packages are provided as is and are not supported by SAS Technical Support.

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 log on 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 log on 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-v33-win64.exe (or -win32.exe) from support.sas.com?** Click **Run** or **Save**.
5. Follow the steps in the SAS Quality Knowledge Base 33 wizard.

Installation Instructions

To launch the SAS QKB setup program on Windows 10, right-click on the setup application file and select **Run as administrator**. For earlier versions of 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, and logs. Except for the logs, content that is 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 that contains 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 file name 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 DataFlux 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 Install

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

<table>
<tr><th>Parameter</th><th colspan="4">Description</th></tr>
<tr><td>/ACTIVE</td><td colspan="4">If present and set to TRUE, the installed QKB is set to active for DataFlux Data Management Studio.</td></tr>
<tr><td>/DATADIR</td><td colspan="4">The path for the data directory that contains the QKB data and logic files.</td></tr>
<tr><td>/INSTDIR</td><td colspan="4">The path for the program directory that contains the installation files.</td></tr>
<tr><td>/LICENSE</td><td colspan="4">If present and set to the license file, the licensed locales will be installed.</td></tr>
<tr><td>/LOCALES</td><td colspan="4">Comma-separated list of ISO code names for the locales to be installed. Locale ISO code names are listed below:</td></tr>
<tr><td rowspan="7"></td><td>Locale Name</td><td>ISO Code Name</td><td>Locale Name</td><td>ISO Code Name</td></tr>
<tr><td>Afrikaans, South Africa</td><td>AFZAF</td><td>Hindu, India</td><td>HIIND</td></tr>
<tr><td>Arabic, Egypt</td><td>AREGY</td><td>Hungarian, Hungary</td><td>HUHUN</td></tr>
<tr><td>Chinese, China</td><td>ZHCHN</td><td>Indonesian, Indonesia</td><td>IDIDN</td></tr>
<tr><td>Croatian, Croatia</td><td>HRHRZ</td><td>Italian, Italy</td><td>ITITA</td></tr>
<tr><td>Czech, Czech Republic</td><td>CSCZE</td><td>Japanese, Japan</td><td>JAJPN</td></tr>
</table>

Parameter	Description			
	Danish, Denmark	DADNK	Kazakh, Kazakhstan	KKKAZ
	Dutch, Belgium	NLBEL	Korean, South Korea	KOKOR
	Dutch, Netherlands	NLNLD	Malay, Malaysia	MSMYS
	English, Australia	ENAUS	Norwegian, Norway	NONOR
	English, Canada	ENCAN	Persian, Iran	FAIRN
	English, Hong Kong	ENHKG	Polish, Poland	PLPOL
	English, India	ENIND	Portuguese, Brazil	PTBRA
	English, New Zealand	ENNZL	Portuguese, Portugal	PTPRT
	English, Philippines	ENPHL	Romanian, Romania	ROROU
	English, Singapore	ENSGP	Russian, Russia	RURUS
	English, South Africa	ENZAF	Slovak, Slovakia	SKSVK
	English, United Kingdom	ENGBR	Slovenian, Slovenia	SLSVN
	English, United States	ENUSA	Spanish, Argentina	ESARG
	Finnish, Finland	FIFIN	Spanish, Mexico	ESMEX
	French, Belgium	FRBEL	Spanish, Spain	ESESP
	French, Canada	FRCAN	Swedish, Sweden	SVSWE
	French, France	FRFRA	Thai, Thailand	THTHA
	German, Germany	DEDEU	Turkish, Turkey	TRTUR
	Greek, Greece	ELGRC	Ukrainian, Ukraine	UKUKR
	Hebrew, Israel	HEISR	Vietnamese, Vietnam	VIVNM

Parameter	Description
/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-v33-win64.exe /S /QKB_NAME="SAS QKB CI33"
   /INSTDIR="C:\Program Files\SAS\QKB\CI\33"
   /DATADIR="C:\ProgramData\SAS\QKB\CI\33"
   /ACTIVE="true" /LOCALES="ENUSA,FRFRA"
```

Note: For 32-bit Windows installations, the name of the setup application is **qkb-ci-v33-win32.exe**. For 64-bit Windows installations, the name of the setup application is **qkb-ci-v33-win64.exe**.

Uninstall Instructions

Uninstalling the SAS QKB removes the content of the program directory containing the installation files. The data directory can also be removed, if desired.

To launch the SAS QKB uninstall setup program on Windows, double-click on the uninstall file, qkb-ci-uninst-win64.exe or qkb-ci-uninst-win32.exe. There will be a prompt to answer about removing the data associated with the QKB.

Command Line Uninstall

To uninstall the SAS QKB on Windows using the command line, invoke the setup application from the Windows command line using the following parameters:

Parameter	Description
/S	Uppercase "S" specifies a silent uninstall.
/REMOVE_DATA	If present and set to "y", the data directory is also removed.

Below is an example of the command line with parameters for uninstalling both the installation and the data directories:

```
qkb-ci-uninst-win64.exe /S /REMOVE_DATA="y"
```

Note: For 32-bit Windows, the name of the uninstall application is qkb-ci-uninst-win32.exe. For 64-bit Windows, the name of the uninstall application is qkb-ci-uninst-win64.exe.

For Use on UNIX for SAS 9.4 and DataFlux

1. Select the appropriate download file for your UNIX platform. A log on 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 file 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-v33-<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 file name) 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 - 33.
>
> 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 - 32.
>
> 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 Software 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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