Kofax AP Agility

Installation Guide

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KOFAX

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Preface

This guide contains the information about installing Kofax AP Agility. This guide is intended for solution integrators who need a description of the installation and integration procedures.

This guide is written with the assumption that you have a thorough understanding of Kofax TotalAgility.

Related documentation

In addition to this guide, see the following documentation for additional installation and configuration information.

Kofax AP Agility Release Notes

This guide contains late-breaking product information that may not be included in other Kofax AP Agility documentation. Release notes are also available for each of your installed Kofax applications. Locate release notes on the Kofax Support site at www.kofax.com/support.

Help for Kofax AP Agility Settings

This help provides detailed information on how to configure Kofax AP Agility for your environment.

Help for Kofax AP Agility Line Pairing Correction Activity

This help provides use cases and examples for correcting a document that fails line pairing.

Help for Kofax AP Agility PIX Correction Activity

This help provides detailed information about how to navigate through PIX Correction Activity. It also includes details about how to use the PIX Correction Activity when processing documents with Kofax AP Agility.

Help for Kofax AP Agility Validation Activity

This help provides information about validating a document in Kofax AP Agility.

Additional documentation about validating documents is available in the *Help for Kofax TotalAgility Validation*.

Help for Kofax AP Agility Scan Activity

This help provides information on how to scan documents into the Kofax AP Agility.

Help for Kofax AP Agility Workflow

This help provides information about how to use the various activities that are part of the AP Agility workflow. This includes general information that is relevant for all activities as well as specific information related to the Approval Activity, the Coding Activity, the Exception Activity, the Line Pairing Exception Activity, the Hold Activity, and the Comment Request Activity.

Training

Kofax offers both classroom and computer-based training that will help you make the most of your Kofax TotalAgility solution. Visit the Kofax website at www.kofax.com for complete details about the available training options and schedules.

Getting help with Kofax products

The Kofax Knowledge Base repository contains articles that are updated on a regular basis to keep you informed about Kofax products. We encourage you to use the Knowledge Base to obtain answers to your product questions.

To access the Kofax Knowledge Base, go to the Kofax website and select **Support** on the home page.

Note The Kofax Knowledge Base is optimized for use with Google Chrome, Mozilla Firefox or Microsoft Edge.

The Kofax Knowledge Base provides:

- Powerful search capabilities to help you quickly locate the information you need.

  Type your search terms or phrase into the **Search** box, and then click the search icon.
- Product information, configuration details and documentation, including release news.

  Scroll through the Kofax Knowledge Base home page to locate a product family. Then click a product family name to view a list of related articles. Please note that some product families require a valid Kofax Portal login to view related articles.
- Access to the Kofax Customer Portal (for eligible customers).

  Click the **Customer Support** link at the top of the page, and then click **Log in to the Customer Portal**.
- Access to the Kofax Partner Portal (for eligible partners).

  Click the **Partner Support** link at the top of the page, and then click **Log in to the Partner Portal**.
- Access to Kofax support commitments, lifecycle policies, electronic fulfillment details, and self-service tools.

  Scroll to the **General Support** section, click **Support Details**, and then select the appropriate tab.

Chapter 1

System requirements

System requirements for Kofax AP Agility 2.3.0 are listed in the Technical Specifications document, that is available from the Kofax Knowledge Base on the Kofax website. The document is updated regularly and we recommended that you review it carefully before installing your product.

Note A customer portal login is required to access the Kofax Knowledge Base.

Software prerequisites

The software prerequisites required prior to the installation of Kofax AP Agility are listed as follows.

Kofax TotalAgility

Refer to the Kofax AP Agility Technical Specifications for the Kofax TotalAgility version that must be installed on the system before installing Kofax AP Agility 2.3.0.

.NET 4.7 or higher

This is the minimum version required by the Kofax AP Agility assemblies and the Kofax TotalAgility integration.

Internet Information Services (IIS) 7.5

This is required to install the Agnostic ERP connector.

Visual C++ Redistributable package for Visual Studio 2013

This package includes runtime components that are required by Kofax AP Agility.

SAP Client Component

If SAP support is required, download the "SAP .Net Connector x64 3.0.13.1" or newer from SAP. Also, install the assemblies to GAC. (This is offered as an option during the installation.)

Oracle Client Component

If Oracle database access is required, install the Oracle Data Provider for .NET 2 (ODP.NET20) that you can get from the Oracle website.

Localize Kofax AP Agility

The localization of Kofax AP Agility is available for the following languages.

- English
- French

- German
- Spanish
- Brazilian Portuguese

If the main language of your web browser is set to one of the above languages, the user interface and documentation for Kofax AP Agility appear in that language automatically. For any other language, and for the administrative documentation, the user interface and documentation defaults to English.

However, this localizes the Kofax AP Agility activities only. Because Kofax AP Agility is a part of Kofax TotalAgility, it is necessary to install the Kofax TotalAgility language packs to ensure a fully localized environment. For more information about localizing Kofax TotalAgility, refer to the *Kofax TotalAgility Installation Guide*.

Important installation notes

The following notes are important when installing Kofax AP Agility.

Licensing

Kofax AP Agility requires an Invoice Processing license in order to configure and process invoices. Additionally, a license is required to process documents through the AP Agility Workflow.

Add the necessary license in Kofax TotalAgility.

Administrator Rights

To install the product, the logged on user must have Administrator rights on the local computer.

Database Editing

Kofax AP Agility does not support direct database editing. You can make any changes needed for your solution using the Kofax AP Agility configuration tools.

Kofax AP Agility in an Azure environment

You can deploy Kofax AP Agility into an Azure hosted Kofax TotalAgility environment. However, there are some limitations using this method of deployment over a traditional installation.

- User exits are not supported.
- SAP, Oracle, and MarkView integrations are not supported.
- PIX is not supported. Because of this you cannot process electronic XML invoices.
- ERP data such as purchase order or company data is provided by an ERP connector only.
- Exporting to Process Director is not supported.
- Some of the Invoice Processing are not available for configuration.
- PDF generation is not supported.
- Document Export is not supported.
- Windows Authentication is not supported.

If you choose to use this deployment method, a set of database scripts and a Kofax TotalAgility package is provided for installation into the cloud.

Since no assemblies can be installed on the Azure server, the package includes the following.

- The IPA.dll that contains all dependencies needed to run Kofax AP Agility in the cloud.
- The Transformation Designer project that contains everything needed to run Kofax AP Agility in the cloud.

Scan Activity and Validation Activity users are created and maintained within Kofax TotalAgility users and groups.

In an Azure environment, export from Kofax AP Agility is different. Instead, a Kofax TotalAgility Integration server exports into the on-premises environment. For example, export into a file system directory.

Chapter 2

Kofax AP Agility installation

Kofax AP Agility processes invoices by extracting and validating data on those documents. It then takes those documents through the accounts payable process in partnership with a back-end ERP system.

You can install Kofax AP Agility on a system where Kofax TotalAgility is installed.

Important If you are using Oracle, ensure that you have installed its prerequisite client.

If you are using SAP, ensure that you have installed its prerequisite client.

The following steps are the overall installation of Kofax AP Agility. Each step has its own set of instructions and the order is important. Skipping steps that are not optional, or performing steps out of sequence may result in a failed installation.

1. Extract the ZIP file
2. Run the Kofax AP Agility installer in one of the following modes.
   - Full installation
   - Custom installation
   - Command Line or Silent installation
3. Configure your installation
4. Optionally, Change your Kofax AP Agility installation
5. Optionally, Repair Kofax AP Agility
6. Optionally, Remove a feature
7. Optionally, Remove Kofax AP Agility

Extract the ZIP file

All of the installation files necessary to install Kofax AP Agility are available in the `KofaxAPAgility-2.3.0.zip` file.

You can extract the contents of the ZIP file by following these steps.

1. Right-click on the zip file and select **Extract**.
2. When prompted, select a location for the extracted files.
   Make a note of this location for further installation steps.

Install Kofax AP Agility

How you install Kofax AP Agility depends on your Kofax TotalAgility installations.

In some environments, Kofax TotalAgility is installed on a single server. In other environments, Kofax TotalAgility is distributed across multiple servers. Each environment requires a different approach when installing Kofax AP Agility.

To help with this, there are three different methods of installing Kofax AP Agility.

Full

Use the Full installation method when installing all of the Kofax AP Agility features on the same machine.

Custom

Use the Custom installation method to install one or more of the individual Kofax AP Agility features.

Command line/Silent installation

Use the command line Silent installation method to install one or more individual Kofax AP Agility features. Use this method to install various features on multiple machines at one time, or across a network.

Full installation

Use the full installer to install all available Kofax AP Agility components or features.

These components include the following.

- AP Agility Assemblies

  These assemblies are installed on this server automatically whenever the Full installer is run. No configuration is required.

  If the necessary prerequisites are installed, the following assemblies are also installed automatically.
  - SAP Assemblies
  - Oracle Assemblies
    - MarkView Assemblies

      See the *Help for Kofax AP Agility Settings* for more information about integrating your system to work with MarkView.
- Kofax AP Agility Database
- Kofax TotalAgility Integration
  - Kofax TotalAgility Package
- ERP Connector Web Service

If you do not require all of these features for your solution, use the Custom installation instead. The custom installation enables you to select the specific component(s) that you require.

You can install all of the components for Kofax AP Agility using the Setup Wizard by following these steps.

1. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.

2. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
3. Once the Install Wizard confirms that there is enough disk space, click **Next**.
   The **End-User License Agreement** Setup Wizard step is displayed.
4. Select **I accept the terms in the License Agreement** and then click **Next**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
5. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

   If you did not install the necessary prerequisites, the corresponding options are not available for installation.

   The **Choose Setup Type** Setup Wizard step is displayed.
6. On the **Choose Setup type** window, select **Full**.
   The **AP Agility Database Connection** Setup Wizard step is displayed.
7. On the **AP Agility Database Connection** step, enter the following information to configure your database connection.

   Tip Ensure that the user specified to create this database connection has at least `db_owner` permissions.

   a. Enter a **Database name**.

      A default database name is provided. If you modify the database name, note the name as it is needed later in the installation.

   b. Enter your database **Server name**.

   c. Select your database **Authentication type**.

      If you select Windows Authentication, this means that Integrated Security is used to connect to the database. If you select SQL Server Authentication, Integrated Security is not used to connect to the database.

   d. If you are using **SQL Server Authentication** enter a **User name** and the corresponding **User password**.

   e. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.

   f. Once your connection test is successful, click **Next**.

   The **Kofax TotalAgility Connection** Setup Wizard step is displayed.

8. On the **Kofax TotalAgility Connection** step, enter the following information.
   a. If the default Kofax TotalAgility URL that is provided is not correct, update the **TotalAgility URL**.
      For example, `http://<Server name>/TotalAgility/`.
   b. Select your **Authentication type** from one of the following options.
      - **Authentication by username and password**.
      - **Provide Session ID**.
        This ID is found by navigating to the TotalAgility Designer. Select **System** > **System settings** > **Logon and authentication** > **User sessions**.
      - **Windows authentication**.

      If you are using **Authentication by username and password** enter a **User name** and **User password**.
      If you are using **Provide Session ID**, enter the **Session ID**.
      If you are using **Windows authentication**, no further action is required.
   c. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.
   d. Once your connection test is successful, click **Next**.

   The **AP Agility ERP Connector Configuration** Setup Wizard step is displayed.
9. On the **AP Agility ERP Connector Configuration** step, enter the following information.
   a. Optionally, enter an alternate **Web Site**.

      Note This web site must exist in IIS before it can be added here. All other items are created dynamically.

   b. Optionally, enter a different **Virtual Directory**.
   c. Optionally, enter a different **Application Pool**.
   d. Optionally, select a **Pool Identity**.
      If you select **Custom Account**, enter a **User name**, **User domain**, and the corresponding **User Password**.
   e. Click **Next**.

   The **Ready to install Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
10. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.
    Otherwise, click **Back** to return to previous steps in the Setup Wizard.
    A progress indicator shows the progress of the Kofax AP Agility installation.
11. Click **Finish**.
    Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.
    The installer closes and if selected, the log file opens.
12. Now that you have run the installer, Kofax AP Agility is installed, but it does not work in your environment. You must now configure your installation so that it works for your environment.

Custom installation

If you do not want to install all of the components of Kofax AP Agility at the same time, or on the same machine, you can choose which components to install.

If you want to install all Kofax AP Agility components, use the full installation instead.

The components and when they are required is as follows.

The AP Agility Assemblies

These assemblies must be installed on every server where Kofax TotalAgility is installed. This includes any servers running Transformation Server.

If the necessary prerequisites are installed, the following assemblies are available for selection as part of the Install AP Agility Assemblies.

- SAP Assemblies
- Oracle Assemblies
  - MarkView Assemblies

    See the *Help for Kofax AP Agility Settings* for more information about integrating your system to work with MarkView.

The AP Agility Database

This database is installed once on a Kofax TotalAgility server or a dedicated database server.

Kofax TotalAgility Integration

This updates the Kofax TotalAgility variables that are used by Kofax AP Agility.

Kofax TotalAgility Package

This installs the Kofax AP Agility package for Kofax TotalAgility. This is installed once and then used by all Kofax TotalAgility servers.

The ERP Connector Web Service

This installs and configures the ERP connector web service and its components.

Here are the most common scenarios for installing Kofax AP Agility with a list of components that are required in each scenario.

- On your Kofax TotalAgility development or production environments you can install all of the Kofax AP Agility components.

  However, if you have a separate database server, you can point to your database server with this installer. This means the all necessary components for integrating with Kofax TotalAgility are installed, even if they are not on the same server where the installer is executed.

  Also, if you have a separate web server, it is possible to install the ERP web service separately on that server. If you have both a development and a production server, a separate ERP web service installation is required.
- On Kofax TotalAgility additional servers, install the Kofax AP Agility assemblies only. This includes any additional assemblies for SAP, Oracle, or MarkView.
- If you are using both a development server and a production server it is necessary that each server has its own separate Kofax AP Agility database and ERP installations.

You can use the **Custom Setup** by following these steps.

1. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.
2. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
3. Once the Install Wizard confirms that there is enough disk space, click **Next**.
   The **End-User License Agreement** Setup Wizard step is displayed.
4. Select **I accept the terms in the License Agreement** and then click **Next**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
5. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

   If you did not install the necessary prerequisites, the corresponding options are not available for installation.

   The **Choose Setup Type** Setup Wizard step is displayed.
6. On the **Choose Setup type** window, select **Custom**.
   The **Custom Setup** step is displayed along with a list of available components.
7. On the **Custom Setup** step, a list of features is listed. By default, all of the listed features are configured for installation. If you do not want to install one or more features, select **Entire feature will be unavailable** for each of those features.

   Once you select the necessary components, click **Next**.

   Most of the selected components require further configuration. As a result, depending on what you select, additional Setup Wizard steps are available.

   Use the links below to install each of the following features as appropriate for your installation.
   - AP Agility assemblies
   - AP Agility database connection
   - Kofax TotalAgility Integration/package
   - ERP Connector Web Service
8. Now that you have run the installer, Kofax AP Agility is installed, but it does not work in your environment. You must now configure your installation so that it works for your environment.

Install AP Agility Assemblies

For the assemblies, no additional configuration is required.

If the necessary prerequisites for SAP or Oracle are installed, their associated client assemblies are available for selection when you install the assemblies. These additional assemblies are not selected by default.

For example, if you have the Oracle prerequisites installed, this enables the selection of the MarkView assemblies. If you want to use the Oracle assemblies and not the MarkView assemblies, ensure that the

Oracle assemblies are set to **Will be installed on local hard drive** and that the MarkView assemblies are set to **Entire feature will be unavailable**.

The following steps assume that you are installing the assemblies only. If you do select additional features, refer back to the Custom installation for their individual installation instructions.

You can install the AP Agility Assemblies and any valid client assemblies by following these steps.

1. On the **Custom Setup** step, ensure that the required **AP Agility Assemblies** are set to **Will be installed on local hard drive**.
2. Optionally, if you want to use SAP, Oracle, or MarkView and their assemblies are displayed, set them to **Will be installed on local hard drive**.
3. Click **Next**.
   The **Ready to install Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
4. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.
   Otherwise, click **Back** to return to previous steps in the Setup Wizard.
   A progress indicator shows the progress of the Kofax AP Agility installation.
5. Click **Finish**.
   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.
   The installer closes and if selected, the log file opens.

Install AP Agility Database Connection

Install the AP Agility database once on any Kofax TotalAgility server or a dedicated database server.

The following steps assume that you are installing the AP Agility database only. If you do select additional features, refer back to the Custom installation for their individual installation instructions.

You can install the AP Agility database by following these steps.

1. On the **Custom Setup** step, ensure that the **AP Agility Database** is set to **Will be installed on the local hard drive** and then click **Next**.
   The **AP Agility Database Connection** Setup Wizard step is displayed.

2. On the **AP Agility Database Connection** step, enter the following information to configure your database connection.

   Tip Ensure that the user specified to create this database connection has at least `db_owner` permissions.

   a. Enter a **Database name**.

      A default database name is provided. If you modify the database name, note the name as it is needed later in the installation.

   b. Enter your database **Server name**.

   c. Select your database **Authentication type**.

      If you select Windows Authentication, this means that Integrated Security is used to connect to the database. If you select SQL Server Authentication, Integrated Security is not used to connect to the database.

   d. If you are using **SQL Server Authentication** enter a **User name** and the corresponding **User password**.

   e. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.

   f. Once your connection test is successful, click **Next**.

   The **Kofax TotalAgility Connection** Setup Wizard step is displayed.

3. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.

   Otherwise, click **Back** to return to previous steps in the Setup Wizard.

   A progress indicator shows the progress of the Kofax AP Agility installation.

4. Click **Finish**.

   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.

   The installer closes and if selected, the log file opens.

Kofax TotalAgility integration and package

If you select Kofax TotalAgility Integration, the Kofax TotalAgility Package is selected automatically. You cannot install one without the other.

The following steps assume that you are installing the Kofax TotalAgility integration and package only. If you do select additional features, refer back to the Custom installation for their individual installation instructions.

If you are installing the Kofax TotalAgility integration and package only, the Install AP Agility Database Connection step is displayed by default. However, you can skip this step if you do not want to configure it at this time.

However, if you do skip the database step, it is necessary to manually enter this information at a later time.

You can install the Kofax TotalAgility integration and package by following these steps.

1. On the **Custom Setup** step, ensure that the **Kofax TotalAgility Integration** and the **Kofax TotalAgility Package** are set to **Will be installed on local hard drive** and then click **Next**.

   The **AP Agility Database Connection** Setup Wizard step is displayed.

   If you do not have the necessary information to set up the AP Agility Database Connection, click **Skip** to skip the next step.
2. On the **AP Agility Database Connection** step, enter the following information to configure your database connection.

   Tip Ensure that the user specified to create this database connection has at least `db_owner` permissions.

   a. Enter a **Database name**.

      A default database name is provided. If you modify the database name, note the name as it is needed later in the installation.

   b. Enter your database **Server name**.

   c. Select your database **Authentication type**.

      If you select Windows Authentication, this means that Integrated Security is used to connect to the database. If you select SQL Server Authentication, Integrated Security is not used to connect to the database.

   d. If you are using **SQL Server Authentication** enter a **User name** and the corresponding **User password**.

   e. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.

   f. Once your connection test is successful, click **Next**.

   The **Kofax TotalAgility Connection** Setup Wizard step is displayed.

3. On the **Kofax TotalAgility Connection** step, enter the following information.
   a. If the default Kofax TotalAgility URL that is provided is not correct, update the **TotalAgility URL**.
      For example, `http://<Server name>/TotalAgility/`.
   b. Select your **Authentication type** from one of the following options.
      - **Authentication by username and password**.
      - **Provide Session ID**.
        This ID is found by navigating to the TotalAgility Designer. Select **System** > **System settings** > **Logon and authentication** > **User sessions**.
      - **Windows authentication**.

      If you are using **Authentication by username and password** enter a **User name** and **User password**.
      If you are using **Provide Session ID**, enter the **Session ID**.
      If you are using **Windows authentication**, no further action is required.
   c. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.
   d. Once your connection test is successful, click **Next**.

   The **Ready to install Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
4. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.
   Otherwise, click **Back** to return to previous steps in the Setup Wizard.
   A progress indicator shows the progress of the Kofax AP Agility installation.
5. Click **Finish**.
   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.
   The installer closes and if selected, the log file opens.

Install ERP Connector Web Service

Install the ERP Connector Web Service once for your Kofax TotalAgility environment. This can be on a Kofax TotalAgility server or a dedicated Web Server.

The following steps assume that you are installing the ERP Connector Web Service only. If you do select additional features, refer back to the Custom installation for their individual installation instructions.

You can install the ERP Connector Web Service by following these steps.

1. On the **Custom Setup** step, ensure that the **ERP Connector Web Service** is set to **Will be installed on local hard drive** and then click **Next**.
   The **Kofax TotalAgility Connection** Setup Wizard step is displayed.

2. On the **Kofax TotalAgility Connection** step, enter the following information.
   a. If the default Kofax TotalAgility URL that is provided is not correct, update the **TotalAgility URL**.
      For example, `http://<Server name>/TotalAgility/`.
   b. Select your **Authentication type** from one of the following options.
      - **Authentication by username and password**.
      - **Provide Session ID**.
        This ID is found by navigating to the TotalAgility Designer. Select **System** > **System settings** > **Logon and authentication** > **User sessions**.
      - **Windows authentication**.

      If you are using **Authentication by username and password** enter a **User name** and **User password**.
      If you are using **Provide Session ID**, enter the **Session ID**.
      If you are using **Windows authentication**, no further action is required.
   c. Click **Test connection** to ensure that your information is correct. If not, repeat the previous steps and try again.
   d. Once your connection test is successful, click **Next**.

   The **AP Agility ERP Connector Configuration** Setup Wizard step is displayed.
3. On the **AP Agility ERP Connector Configuration** step, enter the following information.
   a. Optionally, enter an alternate **Web Site**.

      Note This web site must exist in IIS before it can be added here. All other items are created dynamically.

   b. Optionally, enter a different **Virtual Directory**.
   c. Optionally, enter a different **Application Pool**.
   d. Optionally, select a **Pool Identity**.
      If you select **Custom Account**, enter a **User name**, **User domain**, and the corresponding **User Password**.
   e. Click **Next**.

   The **Ready to install Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
4. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.
   Otherwise, click **Back** to return to previous steps in the Setup Wizard.
   A progress indicator shows the progress of the Kofax AP Agility installation.
5. Click **Finish**.
   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.
   The installer closes and if selected, the log file opens.

Command Line installation and parameters

It is possible to use the Command Line to install Kofax AP Agility. This type of installation provides you with more control over configuration settings during installation so that you can remotely deploy the software across the network. You can also use the command line if you want to use a silent installation.

You can use the EXE installer if you want to install the software onto multiple machines over a network, and do not want to visit each machine individually.

If a parameter is not included in a command, its default value is used.

For example, the following commands are some of many examples for installing Kofax AP Agility.

This first example installs the basic assemblies and the SAP assemblies only.

```
"Kofax AP Agility.exe" /s SAP_INSTALLATION_TYPE=1 DATABASE_INSTALLATION_TYPE=0
 KTA_INT_INSTALLATION_TYPE=0 KTA_PKG_INSTALLATION_TYPE=0
 ERP_CONNECTOR_INSTALLATION_TYPE=0
```

This second example installs the agnostic ERP connector only, along with detailed logging.

```
"Kofax AP Agility.exe" /s BASIC_INSTALLATION_TYPE=0 DATABASE_INSTALLATION_TYPE=0
 KTA_INT_INSTALLATION_TYPE=0 KTA_PKG_INSTALLATION_TYPE=0
 ERP_CONNECTOR_INSTALLATION_TYPE=1 KTA_URL="http://localhost/TotalAgility/"
 KTA_LOGIN_TYPE="WINDOWS" APA_IIS_POOL_IDENTITY_TYPE=LOCALSYSTEM /l
 APAgilitySetupLog.txt
```

The following parameters are available when installing Kofax AP Agility.

Command Line Parameters

Parameter	Description and Value Options

BASIC_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied.
	The default value for this parameter is 1.
	When this parameter value is set to 1 the basic assemblies required by Kofax AP Agility are installed.
	When this parameter value is set to 0 the installation of the basic assemblies and all other assembly types are skipped.
	For assemblies, the hierarchy is as follows.
	• Kofax AP Agility assemblies
	  • SAP assemblies
	  • Oracle assemblies
	  • MarkView assemblies
	This hierarchy means that child assemblies can only be installed when their parent is installed.

Parameter	Description and Value Options
SAP_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 0, but it cannot be installed if the BASIC_INSTALLATION_TYPE=0. This is because the basic assemblies are required for the SAP assemblies. When this parameter value is set to 1 the SAP assemblies required by Kofax AP Agility are installed. However, if the prerequisites for SAP are not installed, this is skipped, even if its value is set to 1. When this parameter value is set to 0 the installation of the SAP assemblies is skipped.
ORACLE_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 0, but it cannot be installed if the BASIC_INSTALLATION_TYPE=0. This is because the basic assemblies are required for the Oracle assemblies. When this parameter value is set to 1 the Oracle assemblies required by Kofax AP Agility are installed. However, if the prerequisites for Oracle are not installed, this is skipped, even if its value is set to 1. When this parameter value is set to 0 the installation of the Oracle assemblies is skipped.
MARKVIEW_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 0, but it cannot be installed if the BASIC_INSTALLATION_TYPE=0. This is because the basic assemblies are required for the MarkView assemblies. Similarly, if the ORACLE_INSTALLATION_TYPE=0, you cannot install the MarkView assemblies. When this parameter value is set to 1 the MarkView assemblies required by Kofax AP Agility are installed. However, if the prerequisites for Oracle and MarkView are not installed, this is skipped, even if its value is set to 1. When this parameter value is set to 0 the installation of the MarkView assemblies is skipped.
DATABASE_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 1. When this parameter value is set to 1 the Kofax AP Agility database is installed based on several additional SQL parameters. When this parameter value is set to 0 the installation of the Kofax AP Agility database is skipped.

Parameter	Description and Value Options
SQL_SERVER_NAME	This parameter is mandatory if you set DATABASE_INSTALLATION_TYPE=1. This is the name of the SQL Server where you want to create the Kofax AP Agility database.
SQL_DATABASE_NAME	This parameter is mandatory if you set DATABASE_INSTALLATION_TYPE=1. This is the name of the SQL database. By default, this is set to InvoiceProcessingAgility_Client. Edit the database name if necessary.
SQL_AUTHENTICATION_TYPE	This parameter is mandatory if you set DATABASE_INSTALLATION_TYPE=1. Set this parameter to WINDOWS for Windows Authentication. Alternatively, set it to SQL_SERVER to use SQL Server authentication.
SQL_USER_NAME	This parameter is mandatory if you set SQL_AUTHENTICATION_TYPE=SQL_SERVER. Set this parameter to the name of the SQL user.
SQL_USER_PASS	This parameter is mandatory if you set SQL_AUTHENTICATION_TYPE=SQL_SERVER. Set this parameter to the password of the SQL user.
SKIP_DATABASE_INT	This parameter is required in one specific scenario only. It is available only if KTA_INT_INSTALLATION_TYPE=1 and DATABASE_INSTALLATION_TYPE=0. In this case, it is possible to skip updating the database variable in Kofax TotalAgility if you do not have the database details to hand. The database configuration can be done at a later time.
KTA_INT_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 1. When this parameter is set to 1 the Kofax TotalAgility variables that are used by Kofax AP Agility are updated. When set to 0, no variables are updated and the Kofax TotalAgility package is not installed.
KTA_PKG_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 1. When this parameter is set to 1 the Kofax AP Agility package for Kofax TotalAgility is installed. When set to 0, the package is not installed. This is a child of KTA_INT_INSTALLATION_TYPE. This means that you cannot install the child without installing the parent.
KTA_URL	This parameter is mandatory if you set KTA_INT_INSTALLATION_TYPE=1. Enter the name of the URL used by Kofax TotalAgility.

Parameter	Description and Value Options
KTA_LOGIN_TYPE	This parameter is mandatory if you set KTA_INT_INSTALLATION_TYPE=1. This parameter can be set to the following authentication types. • WINDOWS for Windows authentication • USERNAMEANDPASSWORD for Kofax TotalAgility local authentication • SESSIONID for session-specific authentication
KTA_USERNAME	This parameter is mandatory if you set KTA_LOGIN_TYPE=USERNAMEANDPASSWORD. Enter the Kofax TotalAgility user name.
KTA_PASSWORD	This parameter is mandatory if you set KTA_LOGIN_TYPE=USERNAMEANDPASSWORD. Enter the Kofax TotalAgility user password.
KTA_SESSIONID	This parameter is mandatory if you set KTA_LOGIN_TYPE=SESSIONID. Enter the Kofax TotalAgility session id.
ERP_CONNECTOR_INSTALLATION_TYPE	This parameter is mandatory and must be included in the installation command. If this parameter is not included, its default value is applied. The default value for this parameter is 1. When this parameter is set to 1 the agnostic ERP connector is installed. When set to 0, the package is not installed.
APA_IIS_WEBSITE_NAME	This parameter is mandatory if you set ERP_CONNECTOR_INSTALLATION_TYPE=1. This is the name of the IIS Web Site that you want to use. By default, this is set to the Default Web Site.
APA_IIS_VIRTUAL_DIRECTORY_NAME	This parameter is mandatory if you set ERP_CONNECTOR_INSTALLATION_TYPE=1. This is the name of the IIS Virtual Directory that you want to use. This is set to ApAgilityErpConnector by default.
APA_IIS_APP_POOL	This parameter is mandatory if you set ERP_CONNECTOR_INSTALLATION_TYPE=1. This is the name of the IIS Pool name. This is set to ErpConnectorServiceAppPool by default.
APA_IIS_POOL_IDENTITY_TYPE	This parameter is mandatory if you set FTR_ERPWS. Choose from one of the following identity types for your application pool. • LOCALSERVICE • LOCALSYSTEM • NETWORKSERVICE • APPPOOLIDENTITY • CUSTOMACCOUNT

Parameter	Description and Value Options
APA_IIS_APP_POOL_USERNAME	This parameter is mandatory if you set APA_IIS_POOL_IDENTITY_TYPE=CUSTOMACCOUNT. Enter the name of the user for the IIS Pool.
APA_IIS_APP_POOL_USERPASSWORD	This parameter is mandatory if you set APA_IIS_POOL_IDENTITY_TYPE=CUSTOMACCOUNT. Enter the password of the user for the IIS Pool.
APA_IIS_APP_POOL_USERDOMAIN	This parameter is mandatory if you set APA_IIS_POOL_IDENTITY_TYPE=CUSTOMACCOUNT. Enter the domain of the user for the IIS Pool.

Important Some of the above parameters work in a hierarchy. This means that if your command explicitly installs a child, but explicitly does not install the parent, neither are installed.

For example, your command includes the following installation type parameters.

```
BASIC_INSTALLATION_TYPE=0 SAP_INSTALLATION_TYPE=0 ORACLE_INSTALLATION_TYPE=0
MARKVIEW_INSTALLATION_TYPE=1
```

In this scenario, even though you want to install the MarkView assemblies, nothing is installed. This is because the MarkView assemblies are a child of the Oracle assemblies, which are also a child of the basic Kofax AP Agility assemblies.

If you want to install MarkView assemblies, you need to add the following parameters to your command.

```
BASIC_INSTALLATION_TYPE=1 SAP_INSTALLATION_TYPE=0 ORACLE_INSTALLATION_TYPE=1
MARKVIEW_INSTALLATION_TYPE=1
```

Silent installation

If you do not want to perform an interactive installation of Kofax AP Agility, you can use a silent installation. This automatic installation does not display configuration, progress, feature information or warning messages. It does however, display any error messages.

The following parameters can be added to the command line for a silent installation.

Parameter	Description and Value Options
-h or -help	Displays the help for the command.
-h <property> <property> <property> ...	Displays descriptions of the parameters.
-s	Runs the installer with no user interaction.
-l or -log	Writes the installer log messages to the specified file.
<property>=<value>	Passes additional parameters to the installer.
-uninstall	Removes the product. You can use this parameter with the -s parameter.

You can install Kofax AP Agility using the silent install by following these steps.

1. Locate the **Command Prompt** on your computer.

   If you are an Administrator, double-click to open the application. If you are not an Administrator, right-click and select **Run as administrator**.

   The **Command Prompt** opens.
2. Navigate to where you extracted the ZIP file and the installer.
3. Enter the command to install the features that you need.

   For example, use the following command to silently install the base assemblies, the database, Kofax TotalAgility integration, and the Kofax TotalAgility package, but not the agnostic ERP connector. In addition, a log records the installation steps.

```
"Kofax AP Agility.exe" /s /l APAgilitySetupLOG.txt BASIC_INSTALLATION_TYPE=1
 DATABASE_INSTALLATION_TYPE=1 ERP_CONNECTOR_INSTALLATION_TYPE=0
 SQL_SERVER_NAME=localhost SQL_DATABASE_NAME=ApAgility
 SQL_AUTHENTICATION_TYPE=SQL_SERVER SQL_USER_NAME=<username>
 SQL_USER_PASS=<password> KTA_URL=http://localhost/TotalAgility
 KTA_LOGIN_TYPE=WINDOWS
```

   Since the default behavior for the agnostic ERP connector is to install this feature, the above example overrides this by explicitly saying not to install the agnostic ERP connector.

   If however, you want to see the results of the silent installation, you can create a PowerShell or batch script that checks the installer results. The following three examples show the various options.

   a. A batch file.

```
"Kofax AP Agility.exe" /s /l netfx.log

if "%errorlevel%" == "0" goto OK
if "%errorlevel%" == "1013" goto ERR
if "%errorlevel%" == "1603" goto ERR
if not "%errorlevel%" == "0" goto ERR

:OK
echo "Installation completed successfully"
GOTO END

:ERR
echo "Error: Execution failed with errorlevel = %errorlevel%"
exit /b %errorlevel%

:END
```

   b. PowerShell script.

```
$installer = "<Location of AP Agility Installer>\Kofax AP Agility.exe"
$logname = "Kofax_ApAgility"
$list =
@(
    "/S",                                # Install without user interaction
    "/L `"$ENV:TEMP\$name.log`""         # Error output to this log file
)

$p = Start-Process -FilePath $installer -Verb runAs -ArgumentList $list -Wait
 -PassThru

if($p.ExitCode -ne 0 -and $p.ExitCode -ne 3010 -and $p.ExitCode -ne 1641)
{
     Write-Output "Installation process returned error code: $($p.ExitCode)"
}
else
```

```
{
    Write-Output "Installation process completed successfully with code:
 $($p.ExitCode)"
}
```

c. The `/qn+` parameter.

```
"Kofax AP Agility.exe" /s
```

4. Now that you have run the installer, Kofax AP Agility is installed, but it does not work in your environment. You must now configure your installation so that it works in your environment.

On-premise installation for Kofax AP Agility hosted on Microsoft Azure

After Kofax provides your credentials to log on to Kofax AP Agility in the cloud, it is necessary to install additional on-premise components to use Kofax AP Agility.

The following components are required.

1. Install the Kofax TotalAgility Integration Server.
   For more information see the *Kofax TotalAgility Integration Server Installation Guide*.
2. Extract the `KofaxAPAgility-2.3.0.zip` file.
3. Install and configure your ERP connector.
   For more information, see the *Help for Kofax AP Agility Settings*.

Chapter 3

Configure your Kofax AP Agility installation

The following steps are necessary after installing Kofax AP Agility. Each step contains its own set of instructions and the order is important. Skipping steps that are not optional, or performing steps out of sequence can result in a failed installation.

The configuration of your Kofax AP Agility installation is broken down into three parts.

1. Configuration steps that apply to the functionality of entire product
   - Optionally, if you are using Windows Authentication, configure the authentication type.
   - Optionally, if you installed the Agnostic ERP via the installer, several additional changes are required.
   - Alternatively, integrate another ERP system.
2. Configuration steps that are specific to the Invoice Processing functionality.
   - Configure Invoice Processing administrative resource access.
   - CSV files for database lookups.
   - Configure document ingestion.
   - Optionally, configure Use Exit assemblies.
   - Optionally, install PIX.
   - Optionally, modify the recognition engines in the Transformation Designer.

     This step is necessary if you are processing documents in languages other than English only.
3. Configuration steps that are specific to the AP Agility Workflow functionality.
   - Configure AP Agility Workflow administrative resource access.

General Configuration for Kofax AP Agility

There are several steps required to configure Kofax AP Agility that are independent of how you plan to process invoices.

Before you can start to use Kofax AP Agility you can perform the following tasks as needed.

- Install Kofax AP Agility assemblies on other Kofax TotalAgility servers
- Configure Windows authentication behavior
- Locale and time zone configuration
- Integration with Enterprise Resource Planning systems

Install Kofax AP Agility assemblies on other Kofax TotalAgility servers

After installing Kofax AP Agility, it is still necessary to install the Kofax AP Agility assemblies on all other Kofax TotalAgility servers, such as the Transformation Server or the Integration Server. For more information on other types of Kofax TotalAgility servers, refer to the *Kofax TotalAgility Installation Guide*.

You can install the Kofax AP Agility assemblies on other Kofax TotalAgility servers by following these steps.

1. Copy the extracted files to the server where you are installing the Kofax AP Agility assemblies.
2. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.
3. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
4. Once the Install Wizard confirms that there is enough disk space, click **Next**.
   The **End-User License Agreement** Setup Wizard step is displayed.
5. Select **I accept the terms in the License Agreement** and then click **Next**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
6. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

   If you did not install the necessary prerequisites, the corresponding options are not available for installation.

   The **Choose Setup Type** Setup Wizard step is displayed.
7. On the **Choose Setup type** window, select **Custom**.
   The **Custom Setup** step is displayed along with a list of available components.
8. On the **Custom Setup** step, ensure that the required **Assemblies** are set to **Will be installed on local hard drive** and then click **Next**.

   The **Ready to install Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
9. On the **Ready to install Kofax AP Agility 2.3.0** step click **Install** to proceed with your installation.

   Otherwise, click **Back** to return to previous steps in the Setup Wizard.

   A progress indicator shows the progress of the Kofax AP Agility installation.
10. Click **Finish**.

    Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.

    The installer closes and if selected, the log file opens.

Configure Windows authentication behavior

By default, Kofax AP Agility is configured so that it does not use Windows authentication.

If you want to use Windows authentication you can modify how Kofax AP Agility works within Kofax TotalAgility so that is uses Window authentication.

Note If you are using Kofax AP Agility in an Azure environment, you cannot use Windows authentication.

You can configure Kofax AP Agility to use Windows authentication by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **User interface** > **Sites**.
   The **Sites** page for the Default Category is displayed.
3. From the **Category** list at the top of the page, select AP Agility.
   A list of available AP Agility sites is displayed.
4. Click **APAgility**.
   The **Edit site** window is displayed.
5. In the **Desktop settings** section, click on the **Default form** list.
   A window is displayed that enables you to select a category or filter the results.
6. Click **Default Category** and then select **AP Agility** from the **Category** list.
   All AP Agility forms are displayed.
7. Scroll down the list and select **APA_Workspage_Logon_Windows_Authentication**.
   The **Default form** is updated with your selection.
8. Click **Save**.
   The **APAgility** form is saved and the list of APAgility forms is displayed once again.
9. On the navigation pane, click **User interface** > **Global variables**.
   The **Global variables** page for the Default Category is displayed.
10. From the **Category** list, select **AP Agility**.
    A list of available variables is displayed.
11. Select the **APA_Use_Windows_Authentication** variable.
    The **Edit global variable** window is displayed.
12. Set the variable **Value** to TRUE.
13. Click **Save**.
    The **Edit global variable** window is closed and your changes are saved.
14. Optionally, close the TotalAgility Designer.

Locale and time zone configuration

After you install Kofax AP Agility, verify that the locale and the time zone for the server where Kofax AP Agility is installed and for the server from where you connect to Kofax AP Agility are the same.

Set secure connection strings

The Kofax AP Agility processes and forms use connection strings for the Kofax AP Agility database that are specified within the Kofax TotalAgility server and global variables.

You can ensure that your connection strings for Kofax AP Agility are secure by following these steps.

1. Launch the TotalAgility Designer

2. Configure the database server variable for the Kofax AP Agility Processes by following these steps.
   a. On the TotalAgility Designer navigation pane, select **System data** > **Server variables** .
      A list of server variables for the Default Category is displayed.
   b. From the **Category** list at the top of the page, select AP Agility.
      A list of available AP Agility server variables is displayed.
   c. In the list of variables, locate and then click **DB Connection String**.
      The **Edit server variable** window is displayed with the variable settings.
   d. To ensure that the entire variable is encrypted so that it is not visible anywhere in Kofax TotalAgility, select **Secure**.
   e. Click **Save**.

      Important If you change this setting, it is possible that the connection string in the **Value** field is deleted. You can copy the string from Kofax AP Agility at **Settings** > **Invoice Processing** > **Global settings** > **Database Connection Settings**.

3. Configure the database global variable for the Kofax AP Agility Forms.
   a. On the TotalAgility Designer navigation pane, select **User interface** > **Global variables**.
      A list of global variables for the Default Category is displayed.
   b. From the **Category** list at the top of the page, select AP Agility.
      A list of available AP Agility global variables is displayed.
   c. In the list of variables, locate and then click **APA_Connection_String**.
      The **Edit global variable** window is displayed with the values for the selected variable.
   d. Select **Secure**.

      Ensure that the string listed matches the string defined in Kofax AP Agility at **Settings** > **Invoice Processing** > **Global settings** > **Database Connection Settings**.
   e. Click **Save**.

      Note If you change the database global variables in the future, you must restart the web browser and clear the browser cache.

      The **Edit global variable** window is closed and you are returned to the list of AP Agility global variables.

4. Configure the database global variable for the Invoice Processing forms.
   a. In the list of AP Agility variables, locate and then click **IPA_Connection_String**.
      The **Edit global variable** window is displayed with the values for the selected variable.
   b. Select **Secure**.
      Ensure that the string listed matches the string defined in Kofax AP Agility at **Settings** > **Invoice Processing** > **Global settings** > **Database Connection Settings**.
   c. Click **Save**.

      Note If you change the database global variables in the future, you must restart the web browser and clear the browser cache.

      The **Edit global variable** window is closed and you are returned to the list of AP Agility global variables.
5. Configure the database global variable for the Invoice Processing configuration.
   a. From the **Category** list, select **InvoiceProcessingAgility** > **Invoice Processing**.
      The list of variables is updated for the Invoice Processing category.
   b. In the list of variables, locate and then click **IPAConnectionString**.
      The **Edit global variable** window is displayed with the values for the selected variable.
   c. Select **Secure**.
      Ensure that the string listed matches the string defined in Kofax AP Agility at **Settings** > **Invoice Processing** > **Global settings** > **Database Connection Settings**.
   d. Click **Save**.

      Note If you change the database global variables in the future, you must restart the web browser and clear the browser cache.

      The **Edit global variable** window is closed and you are returned to the list of **InvoiceProcessingAgility** > **Invoice Processing** global variables.

Integration with Enterprise Resource Planning systems

Kofax AP Agility exports all validated and approved invoices to the Enterprise Resource Planning system (ERP) through a connector plugin. When you first install Kofax AP Agility, you can choose to install the Agnostic ERP connector. The Agnostic ERP integration provides an ERP-neutral way of integration by transferring data to and from folders. The Kofax AP Agility Administrator specifies the output file system folder and the file name format for exported invoices. The administrator creates an invoice image in the original format and metadata (XML, CSV) files in the specified folder for all exported invoices.

In addition to the Agnostic ERP connector, Kofax AP Agility provides plugins for the following ERPs:

- PeopleSoft
- Microsoft Dynamics
- Infor Lawson

Install PeopleSoft connector

If you are using the PeopleSoft ERP system, it is necessary to install the PeopleSoft ERP connector in addition to the Agnostic ERP connector. You cannot install this connector without the Agnostic ERP connector.

If you did not install the Agnostic ERP connector when you installed Kofax AP Agility, you must first install the Agnostic ERP connector using the custom installation before installing the PeopleSoft ERP connector.

If the Agnostic ERP connector is installed, you can install the PeopleSoft ERP connector by following these steps.

1. Download the KofaxAPAgilityERPConnector-2.3.0_For_PeopleSoft.ZIP file from the Kofax Fulfillment Site and extract it on a local drive available to your users.

   Note the extraction location as this is needed in subsequent steps after you install the connector.
2. Copy the contents in `ERP Connector\bin` from the extracted files to the `bin` folder in IIS where the ERP connector files are stored.

   By default, this path is `<Program Files>\Kofax\APAgility\Web\bin`.

   The PeopleSoft connector is installed and ready for integration with Kofax AP Agility.

PeopleSoft integration

You can integrate PeopleSoft with Kofax AP Agility by following these steps.

1. On the filesystem, navigate to where the extracted contents of the KofaxAPAgilityERPConnector-2.3.0_For_PeopleSoft.zip file are located.

   You extracted this file when the PeopleSoft connector was installed.
2. Navigate to the `ERP_Integration\PeopleSoft` folder.

   This folder contains the KofaxConnector_For_PeopleSoft.zip file.
3. Extract the KofaxConnector_For_PeopleSoft.zip file.

   The KOFAX_CONNECTOR folder is extracted.
4. Start the PeopleSoft Application Designer.
5. From the menu, select **Tools** > **Copy Project** > **From File**.

   The **Copy From File : Select Project** window appears.
6. Select the KOFAX_CONNECTOR project and options from the **Copy From File : Select Project** window and perform the following steps.

   a. Navigate to and select the `KOFAX_CONNECTOR` folder.

   Under **Name**, KOFAX_CONNECTOR appears, and KOFAX_CONNECTOR appears under **Select Project from the List Below**.

   b. Click **Select** to the right of the **Select Project from the List Below** box.

   The **Copy From File** window appears.

   c. Click **Select All** to select all definition types.

   d. Click **Copy**.

   The project and its definition types are installed.

7. Open PeopleSoft in a compatible web browser and configure KOFAX_APA_SERVICE by performing the following steps.
   a. Go to **PeopleTools** > **Integration Broker** > **Integration Setup** > **Services**.
   b. Open KOFAX_APA_SERVICE.
      Information about KOFAX_APA_SERVICE and a list of service operations is displayed.
   c. Open one of the KOFAX_APA_SERVICE service operations and click **Service Operation Security**.
   d. Set the PTPT1000 permission to **Full Access** and click **Save**.
   e. Repeat steps 7.c–7.d until all of the KOFAX_APA_SERVICE service operations have been configured.
8. Create the ERP connection. Complete the information in the fields. In the **Connection Type** field, select **PeopleSoft v9.2**.
9. Set up an organization to use the ERP connection.
   For more information on configuring organizations, refer to the *Help for Kofax AP Agility Settings*.

PeopleSoft invoice export

Additional settings are needed to enable invoice export from PeopleSoft. The ChartFields settings are used for GL segments for invoices. If the buyer does not have access to the ChartFields settings, GL segment values from exported invoices are ignored and replaced by default values. You can enable buyers to access these settings by following these steps.

1. Start PeopleSoft.
2. In the PeopleSoft menu, select **Navigator** > **eSettlements** > **Buyer Information** > **Review Buyer Details**.
3. Select the buyer who should have access.
   The **Review Buyer Details** window for that buyer appears.
4. Click the **ChartField Configuration** tab.
5. Change the **Supplier Access** settings for the buyer to make applicable GL segments editable.
6. Save the settings.

Install Microsoft Dynamics AX ERP connector

If you are using the Microsoft Dynamics ERP, it is necessary to integrate it with your Kofax AP Agility installation.

You can install the Microsoft Dynamics AX (DAX) ERP connector by following these steps.

1. Download the `KofaxAPAgilityERPConnector-2.3.0_For_DAX.ZIP` from the Kofax Fulfillment Site.
2. Extract the zip file contents on a local drive that is available to your users.
3. Copy the contents in `ERP Connector\bin` from the extracted files to the `bin` folder in IIS where the ERP connector files are stored.
   By default, this path is `<Program Files>\Kofax\APAgility\Web\bin`.
   The Microsoft Dynamics connector is installed and ready for integration with Kofax AP Agility.

Microsoft Dynamics AX integration

In order to integrate Microsoft Dynamics AX so that it can be used, you must perform the following steps in the specified order.

1. Install the Dynamics AX ERP web service
2. Enable SSL
3. Test your installation
4. Configure Dynamics AX 2012
5. Configure the Dynamics AX ERP web service
6. Final steps

Install the Dynamics AX ERP web service

You can install the Dynamics AX ERP web service by following these steps.

1. Extract the `ERP Integration\MSDynamics\KofaxConnector_For_DAX.zip` file.
2. Copy the `DaxConnectorService` folder from the zip file to the wwwroot folder.
   This is usually found under `C:\inetpub\wwwroot`.
3. Copy the following files from the MS DAX Business Connector installation folder to the `DaxConnectorService\bin` folder that you copied in the previous step.
   The MS DAX Business Connector installation folder is commonly found in `<Program Files>\Microsoft Dynamics AX\60\BusinessConnector\Bin`.
   - Microsoft.Dynamics.AX.ManagedInterop.dll
   - Microsoft.Dynamics.BusinessConnectorNet.dll
4. Open Internet Information Services (IIS) and add a new **Website**.
   The **Add Website** window is displayed. Add the following information.
   a. Add a **Site** name.
      For example, Kta Connector or MSDax Connector.
   b. Select an **Application Pool**.
   c. In its **Advanced Settings**, ensure that the selected Application Pool has **Enable 32-Bit Applications** set to **True**.
   d. Set the **Physical Path** to the location where you saved the DAX connector.

      Important The selected application pool must have the necessary permissions to access the specified physical path.

   e. Set the **Port** as needed.
      For example, 9810.
   f. Ensure that **Start Website immediately** is selected.
   g. Click **OK**.

   The website is added to the **Sites** in the **Connections** pane.

5. Select your new website and then double-click on **Authentication** from the central pane.
   For the **Authentication** settings, set the following.
   a. Ensure that **Basic Authentication** is set to **Enabled**.
      If you cannot find the **Basic Authentication** option, make sure that this is enabled in IIS following these instructions. https://docs.microsoft.com/en-us/iis/configuration/system.webserver/security/authentication/basicauthentication.
   b. Click **OK**.

Enable SSL

You can enable SSL by by following these steps.

1. In IIS, right-click on your web site and select **Edit Bindings**.
   The **Site Bindings** window is displayed.
2. Click **Add**.
   The **Add Site Bindings** window is displayed.
3. Set the **Type** to **https**.
4. Set the **Port** to an existing free port.
5. Set the **SSL Certificate** to any valid certificate.
   You can use a self-signed certificate for testing purposes.
6. Click **OK**.
   The **Add Site Bindings** window closes.
7. Click **OK**.
   The **Site Bindings** window closes.

Test your installation

You can test your installation by following these steps.

1. Open the web.config file for your web site and set the `KtaService:UseMockData` setting to `true`.
2. In a web browser, go to `http<s>://localhost:<port>/testconnection`.
   Make sure that the port and bindings match the values that you entered when you created the web site or configured SSL.
3. Enter the username and password for any windows user.
   A successful connection returns an `XML ErrorCode` of `NONE`.

Configure Dynamics AX 2012

Note This service must be installed on the same server where Dynamics AX 2012 Business Connector is installed and correctly set up.

More information on the Business Connector is available from https://docs.microsoft.com/en-us/dynamicsax-2012/developer/net-business-connector-overview.

The files mentioned in the steps below are included in the `ERP Integration/MSDynamics/KofaxConnector_For_DAX.zip/DaxConnectorIntegration` folder that is provided alongside the DAX Connector.

You can configure Dynamics AX 2012 by following these steps.

1. Import the AX model by following these steps.
   a. Close Microsoft Dynamics AX.
   b. Extract the `ERP Integration/MSDynamics/KofaxConnector_For_DAX.zip` file.
   c. Navigate to the `DaxConnectorIntegration` folder, right-click on the `Import 2012 AXModel.bat` file, and then select **Run As Administrator**.
      The batch file executes.
   d. Restart the Windows Service called `Microsoft Dynamics AX Object Server [version] - MicrosoftDynaticsAX`.
   e. Run Microsoft Dynamics AX.
   f. When the application opens, and the message "The model store has been modified" is displayed, click **Skip** and then **OK**.
   g. Press **Ctrl + D** to open AOT and then click on the Project button.
   h. To open the project, expand the **Shared** note and then double-click **RpiIntegration**.
   i. From the **Build** menu, select **Compile**.
      A progress bar indicates when the compilation is complete.
   j. From the **Build** menu, select **Generate Incremental CIL**.
2. Configure Manual Imports by following these steps.
   a. Go back to the AOT view and then press **Import**.
   b. Browse to and select the `ManualImports/Class_RpiGLService.xpo` file.
   c. Select **Show details**.
      The class details in the Import form are displayed.
   d. Click **OK**.
   e. Browse to and select the `ManualImports/Services.xpo` file.
   f. Select **Show details**.
      The class details in the Import form are displayed.
   g. Click **OK**.
   h. From the **Build** menu, select **Compile**.
      A progress bar indicates when compilation is complete.
   i. From the **Build** menu, select **Generate Incremental CIL**.

Configure the Dynamics AX ERP web service

You can configure the Microsoft Dynamics AX ERP web service by following these steps.

1. Open the `web.config` file and edit the following settings, all prefaced with `KtaService`.
   a. `KtaService:UseMockData`. Using mock data affects data import. Data is imported from CSV files located in the `MockData` folder instead of from the ERP.
      Use this feature for testing purposes only.
   b. `KtaService:MockDataImportDelay`. This is the mock data import delay in seconds. When importing mock data, you can test data retrieval when import is still running.
      However, mock data imports may be very fast, making it difficult to test. Because of this, it is possible to specify a simulated delay time.
      Use this feature for testing purposes only.
   c. `KtaService:NoOfPastImportsToKeep`. Defines how many imports worth of data remain stored in the database.
      When set to 0, all past import data is cleared as soon as a new import is triggered. This is the recommended value for this setting.
      When set to 1, import data is never cleared from the database.
2. Open the `web.config` file located in `<SiteRoot>\Services\Connectors\Dax\config`.
   This file is where you define certain company information.
   For each Company placed under Companies, a journal name and GISegments are required with the following settings.
   a. `Id` is the ID of a company in Dynamics AX.
   b. `JournalName` is the name of the Journal used when exporting NON-PO invoices. For example, APInvoice.
   c. `GISegments` defiles the association between Segment Names and Segment Numbers.

   Here is an example for a single company.

```
<Company>
 <Id>usmf</Id>
 <GlSegments>
   <Segment>
  <Name>BusinessUnit</Name>
  <Number>2</Number>
   </Segment>
   <Segment>
  <Name>Department</Name>
  <Number>3</Number>
   </Segment>
   <Segment>
  <Name>CostCenter</Name>
  <Number>4</Number>
   </Segment>
   <Segment>
  <Name>ItemGroup</Name>
  <Number>5</Number>
   </Segment>
 </GlSegments>
 <JournalName>APInvoice</JournalName>
```

```
</Company>
```

A default company must also be defined. This is the default configuration that is used for companies that you have not explicitly configured.

Here is an example of a default company definition.

```
<Company>
   <Id>default</Id>
   <GlSegments>
  <Segment>
    <Name>BusinessUnit</Name>
    <Number>2</Number>
  </Segment>
  <Segment>
    <Name>Department</Name>
    <Number>3</Number>
  </Segment>
  <Segment>
    <Name>CostCenter</Name>
    <Number>4</Number>
  </Segment>
  <Segment>
    <Name>ItemGroup</Name>
    <Number>5</Number>
  </Segment>
   </GlSegments>
   <JournalName>APInvoice</JournalName>
</Company>
```

Final steps

You can finalize your Dynamics AX configuration by following these steps.

1. In the same `web.config` file that you used to configure your companies, the `system.serviceModel/client/endpoint` nodes need updated to point to the correct DAX instance.

   You do this by updated the address attribute of the endpoint nodes. In the endpoint nodes the value attribute of the `servicePrincipalName` nodes needs updated accordingly.
2. After setting up Dynamics AX, it is important to set `KtaService:UseMocData` to **False**.

Install Infor Lawson connector

If you have already installed the Infor Lawson ERP connector with Kofax Invoice Processing Agility, skip this section.

If you are using the Infor Lawson ERP system, it is necessary to install this connector in addition to the Agnostic ERP connector. You cannot install this connector without the Agnostic ERP connector.

Install the Infor Lawson ERP connector by following these steps.

1. Download the KofaxAPAgilityERPConnector-2.3.0_For_Lawson.ZIP from the Kofax Fulfillment Site and extract it on a local drive available to your users.
2. Copy the contents in `ERP Connector\bin` from the extracted files to the `bin` folder in IIS where the ERP connector files are stored.

   By default, this path is `<Program Files>\Kofax\APAgility\Web\bin`.

   The Infor Lawson connector is installed and ready for integration with Kofax AP Agility.

Infor Lawson integration

To integrate Infor Lawson with Kofax AP Agility, follow these steps:

1. Create the ERP connection. Complete the information in the fields. The following settings are required.
   - In the **Connection Type** field, select **Infor Lawson**.
   - In the **Start Data Load From**, a starting date is required.
2. Set up the organization to use the ERP connection.
3. Integrate the Infor Lawson with Kofax AP Agility by following these steps:
   a. Verify that prerequisites for Infor Lawson integration are complete.
   b. Create the Infor Lawson web service.
   c. Configure the Infor Lawson web service.
   d. Configure the Infor Lawson connection settings.
   e. Review information about Infor Lawson data import and export configuration.
   f. Configure the AGS invoice export (optional).
   g. Adjust the Master data retrieval configuration (optional).
   h. Review Lawson AGS invoice export mapping for the header.
   i. Review Lawson AGS invoice export mapping for the lines.

Prerequisites for Lawson integration

Before you can configure the Lawson connector, the following prerequisites are necessary.

1. The user defined when you create the web service requires READ permissions for the following Lawson tables.
   - `APVENLOC`
   - `APINVOICE`
   - `PORECLINE`
   - `GLCHARTDTL`
   - `APVENMAST`
   - `TERMS`
   - `APCOMPANY`
   - `ACACTIVITY`
   - `POLINE`
   - `APPAYMENT`
   - `GLSYSTEM`
   - `ACACCTCAT`
   - `PURCHORDER`
   - `MAINVDTL`
   - `GLNAMES`

2. The configured user also requires ADD, CHANGE, and DELETE access for the following screens.
   - AP20.2
   - MA43.1
   - MA43.3
3. .NET 4.5.2 is required in order to use the Lawson connector.

Create Lawson web service

Before you can make use of the Lawson ERP Connector, it is necessary to create the web service using the files provided.

You can create the Lawson web service by following these steps.

1. Install the Lawson ERP connector.
   a. In the unzipped files, navigate to the `ERP Integration\Lawson` folder.
      The `KofaxConnector_For_Lawson.zip` file appears.
   b. Extract `KofaxConnector_For_Lawson.zip`.
      You can provide your own folder name or use the default name provided during extraction.
      The folder is extracted. Use this to copy the project.
   c. Copy the extracted folder from the previous step to a location that is accessible by IIS.
      For example, `C:\inetpub\wwwroot`.
2. Launch IIS.
3. In the Connections pane, expand `http://localost` represented by your computer name.
   A list of Application Pools and Sites appears.
4. Select and then right-click on **Sites**. Select **Add Website**.
   The **Add Website** window opens.
5. In the **Add Website** window, enter the following information.
   a. In the **Site name** field, enter a name for your web service.
      For example, `KTA Lawson Connector`.
   b. For the **Application Pool**, click **Select** and then choose **.NET v4.5** from the list.
   c. In the **Physical Path**, click on the **Browse** button and navigate to and select the folder you copied in step 1 b.
   d. Configure the other settings as required.
      For example, set the Binding **Port** to 9810.
   e. Ensure that the **Start Website immediately** option is selected and then click **OK**.
   The website is created and listed under Sites.
6. Select your newly created website.
   The central **Home** pane is updated for your site.
7. In the central **Home** pane, under **IIS**, double-click on **Authentication**.
   The **Authentication** settings are displayed.

8. Ensure that **Basic Authentication** is enabled.

   If necessary, right-click on **Basic Authentication** and select **Enable**.

   If you cannot find **Basic Authentication** in your website, make sure that **Basic Authentication** is enabled in IIS by following these instructions.

   https://docs.microsoft.com/en-us/iis/configuration/system.webserver/security/authentication/basicauthentication.

   A warning message appears because you are not using an SSL.

9. Enable SSL for your website as follows.

   a. In the **Connections** panel, right-click on your website and select **Edit Bindings**.
   The **Site Bindings** window appears.

   b. In the **Site Bindings** window, click **Add**.
   The **Add Site Binding** window s displayed.

   c. In the **Add Site Binding** window, specify the following.
   Set **Type** to **https**.
   - Set the **Port** to any available port.
   - Set the **SSL certificate** to a valid certification.

   d. Click **OK**.
   Your newly added binding is listed on the **Site Bindings** window.

   e. Click **Close**.
   The **Site Bindings** window is closed.

   Your website is now configured for SSL connections.

10. Test your installation as follows.

    a. Edit the website Web.config file so that the **KtaService:UseMockData** setting is set to **true**.

    b. In a web browser go to **https://localhost:<port number>/testConection**.
    Where <port number> matches the port you specified in step 10 c.

    c. When prompted, enter the **Username** and **Password** for any Windows user.
    If the connection is successful, the following appears.

```
<?xml version="1.0"?>
<ConnectorTestStatus xmlns="http://schemas.datacontract.org/2004/07/
KtaConnector.Services" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <AdditionalInformation/>
  <ErrorCode>NONE</ErrorCode>
  <IsSucceeded>true</IsSucceeded>
  <Message/>
</ConnectorTestStatus>
```

    If the testing fails, review the previous steps and try again.

    Your web service website is ready for configuration.

Configure Lawson web service

Now that the web service is installed and its connection string is referenced in the web.config file, it is necessary to configure the web service.

You can configure the Lawson web service by following these steps..

1. Restart the Lawson web service that you recently created.
2. Navigate to the Lawson web service `<serviceFolder>/Services/Connectors/Lawson/lib` folder and open the **RPILawsonCOM_Config.xml** file for editing.
3. In the **RPILawsonCOM_Config.xml** file, edit the following parameters.

Parameter Name	Description and Examples
`LawsonAuth`	The authentication method. Choose between one of the following two authentication types. • **PREMISES** - Enter this value if you are using Kofax AP Agility on-premise. • **CLOUD** - Enter this value if you are using Kofax AP Agility in an Azure environment.
`Username`	The username of the Lawson user used by the connector for authentication.
`Password`	The password of the Lawson user used by the connector for authentication.
`ProductLine`	The product line to use when querying Lawson.
`LawsonDMEPath`	The relative path to the Lawson data servlet. For example, `"/servlet/Router/Data/Erp?"`.
`LawsonAGSPath`	The relative path to the Lawson transaction servlet. For example, `"/servlet/Router/Transaction/Erp?"`.
`LawsongWriteAttachPath`	The relative path to the Lawson `writeAttach` executable. For example, `"/cgi-lawson/writeattache.exe"`.
`LawsonGetAttachPath`	The relative path to the Lawson `getAttach` execuatble. For example, `"/cgi-lawson/getattachrec.exe"`.
`LawsonBaseURL`	The base URL where Lawson is listing for requests. For example, `https://100.11.12.13`.

If you are using Kofax AP Agility in an Azure environment, also edit the following cloud-specific parameters.

Parameter Name	Description and Examples
`LandmarkBaseURL`	The URL of the landmark instance that the Lawson connector uses for authentication.
`CloudAdfsUrl`	The URL that is used in the third step of the Lawson connector authentication process.
`CloudBaseUrl`	The URL that is used in the fourth step of the Lawson connector authentication process.

4. **Save** and then **Close** the RPILawsonCOM_Config.xml file.
5. Open the web.config file for editing. This file was created when you created the web service.
6. Edit the web.config file so that the **KtaService:UseMockData** setting is set to **false**.
   This ensures that the web service no longer uses mock data.

7. **Save** and **Close** the web.config file.
   Your Lawson web service is now ready for use.

Lawson data import and export configuration

The Lawson connector uses the Lawson Data Service (DME) to retrieve AP master data. It also uses the Lawson Application Gateway Service (AGS) to export invoice data into Lawson. The DME queries are defined in the RPILawsonCOM.config.xml file.

The AGS scripts are used to export NON-PO, credit, and PO-based invoices.

The DME queries and AGS calls are adjustable based on your requirements and how Lawson is configured.

By default, import and export have a default configuration. However, you can adjust these settings as needed for your installation.

Master data retrieval configuration

Lawson Data Service (DME) is a service that provides dynamic, read-only access to Lawson data. When a user makes a request from the Lawson Portal or another location, DME makes calls to the database and returns the requested data ensuring that the security rules are enforced. DME retrieves data and sends it back to the requesting client. By default, the format of the data sent back is XML. However, this can be modified to CSV format if necessary.

This data retrieval does not support data updating.

Note After a configuration change restart the Lawson web service for the change to take effect.

Data query configuration

File Location: `\Services\Connectors\Lawson\lib\RPILawsonCOM_config.xml`

DME queries specified in the config file should not be edited in most cases. However, there are some cases were it may be necessary to adjust the configuration. Specifically, it may be necessary to update the SELECT clause in the DME query to filter results or add additional customer user fields that re used. Existing data columns should not be removed. DME queries must be URL encoded in the XML configuration file.

Vendors query example.

```
<item key="APVenMast">
   <Query QueryMode="Xml">
    <QueryURL>FILE=APVENMAST&amp;FIELD=VENDOR%2DSNAME;TAX%2DID;REMIT%2DTO
%2DCODE;VENDOR;VENDOR%2DGROUP;VENDOR%2DVNAME;VDR%2DADDR1;VDR%2DADDR2;VDR%2DCITY
%2DADDR5;VDR%2DCOUNTRY;VDR%2DPOSTAL;VDR%2DSTATE;VAT%2DREG%2DCTRY;VAT%2DREG%2DNBR;BANK
%2DID;VBANK%2DACCT%2DNO;E%2DMAIL%2DADDRESS;PHONE%2DNUM;VENDOR%2DCONTCT;BANK
%2DENTITY;VDR%2DADDR3;DISC%2DCALC%2DDATE;INV%2DCURRENCY;BANK%2DINST%2DCODE;CASH
%2DCODE;VAT%2DREG%2DCTRY;REQUIRE%2DPO;TERM%2DCODE;URL%2DADDR&amp;SELECT=VENDOR%2DGROUP
%3DVEN%7CVENDOR%2DGROUP%3D4321&amp;OUT=XML&amp;NEXT=TRUE&amp;{0}</QueryURL>
   </Query>
  </item>
```

Adding data filtering to the DME queries

In the Vendors query example above we can see that there is filtering applied with a SELECT statement in the query.

```
"SELECT=VENDOR%2DGROUP%3DVEN%7CVENDOR%2DGROUP%3D4321"
```

This is a URL encoded version for `"SELECT=VENDOR-GROUP=VEN|VENDOR-GROUP=4321"`.

For more information, see the Lawson *Doc for Developers: IOS Application Program Interfaces*.

Invoices query example.

```
<item key="APInvoice">
   <Query QueryMode="Xml">
    <QueryURL>FILE=APINVOICE&amp;FIELD=APPAYMENT%2ECHECK%2DDATE;APPAYMENT%2EVOID
%2DDATE;APPAYVENMAST%2EVENDOR%2DSNAME;APPAYVENMAST%2EREMIT%2DTO%2DCODE;OBJ
%2DID;VENDOR;COMPANY;INVOICE;CANCEL%2DDATE;INVOICE%2DDTE;INVOICE%2DTYPE;BASE%2DINV
%2DAMT;PO%2DNUMBER;REC%2DSTATUS;APPAYVENMAST%2EVENDOR;&amp;OUT=XML&amp;NEXT=TRUE&amp;
{0}</QueryURL>
   </Query>
  </item>
```

In the Invoices query above there is no SELECT clause. This means that for the specific Lawson instance, no filtering is required. A SELECT clause can be added if necessary.

AGS invoice export configuration

The AGS Export uses the XSLT 1.0 transform the incoming XML from Kofax into a set of transactions required to process invoices in Lawson. See Lawson AGS export mapping - Invoice Header fields and Lawson AGS export mapping - Invoice Line fields for additional mapping details.

Note After a configuration change restart the Lawson web service for the change to take effect.

NON-PO/CREDIT Transaction

File Location: `\Services\Connectors\Lawson\lib\Invoice_Add_NonPO.xslt`.

Example 1.

```
<API-INVOICE>
      <xsl:value-of select="translate(InvoiceNumber,'abcdefghijklmnopqrstuvwxyz',
'ABCDEFGHIJKLMNOPQRSTUVWXYZ')"/>
     </API-INVOICE>
```

Example 2.

```
<API-INVOICE-TYPE>
      <xsl:if test="DocumentType = 'CREDIT'">C</xsl:if>
      <xsl:if test="DocumentType != 'CREDIT'"></xsl:if>
     </API-INVOICE-TYPE>
```

PO Match Transaction

File Location: `\Services\Connectors\Lawson\lib\Invoice_Add_PO.xslt`.

Example 1.

```
<PT-MAD-LINE-NBR><xsl:value-of select="substring-after(GrDocNo,'-')"/></PT-MAD-LINE-
NBR>
```

Example 2.

```
<MAD-ENTERED-QTYr0><xsl:value-of select="Quantity"/></MAD-ENTERED-QTYr0>
```

Lawson AGS export mapping - Invoice Header fields

The following table explains the invoice header export fields used by the Lawson AGS.

Tag	Description	Lawson API Field	Interface Notes
Invoice	The root XML tag.		
Invoice/AccountNumber	The account number field has a unique identification number for an organization from the vendor point-of-view. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	N/A
Invoice/AlternatePayee	This field is a supplementary field to the Vendor ID. It represents the party that receives invoice payments, and is not necessarily the vendor listed on the invoice. This payee must be on a list of pre-defined permitted payees for the extracted Vendor. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	Lawson Handles "Payment Vendor" in internal setup and not during Invoice Creation
Invoice/AlternatePayeeAddress	Not used for export in ERP.	N/A	N/A
Invoice/AmtMiscellaneous	Not used for export in ERP.	N/A	N/A
Invoice/AmtWithholdingTax	The withholding tax amount fields capture the portion of the invoice total that is withheld by an organization for legal reasons and not paid back to the vendor.	N/A	N/A
Invoice/AmtPst	This field captures the Provincial Sales Tax (ProvincialSalesTax/QST) component of Canadian tax.	N/A	N/A
Invoice/ApproveTime	Time when the invoice has been approved in Kofax AP Agility.	N/A	N/A
Invoice/ApproverName	Approver name who approved the invoice in Kofax AP Agility.	N/A	N/A
Invoice/BankAccount	The bank account number captures where the vendor wants to be paid.	N/A	Handled in Lawson Vendor Setup not during Invoice Creation
Invoice/BankAccountCode	The bank account code represents the identification of the bank account for that vendor from the point-of-view of the downstream ERP system.	N/A	Handled in Lawson Vendor Setup not during Invoice Creation
Invoice/BIC	The BIC or SWIFT code is an internationally assigned code to identify a unique banking institution.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/BillToName	This field represents the name of the invoice recipient. This field is used to check that the incoming document is intended for a valid company within an organization.	N/A	N/A
Invoice/BillToVatRegNo	The Vendor VAT Registration Number and Bill-to VAT Registration Number are available to satisfy a European legal/fiscal compliance ruling. This law states that if value added tax is charged, the vendor must state their VAT registration number as well as the VAT registration number of the bill-to party on the invoice.	N/A	N/A
Invoice/BusinessUnitID	ID of the invoiced business unit.	API-COMPANY	REQUIRED
Invoice/Currency	This field contains the ISO-code of the invoice currency. (USD, GBP, EUR, etc.)	API-INV-CURRENCY	
Invoice/Custom1	Not used for export in ERP.	N/A	
Invoice/Custom2	Not used for export in ERP.	N/A	
Invoice/Custom3	Not used for export in ERP.	N/A	
Invoice/Custom4	Not used for export in ERP.	N/A	
Invoice/Custom5	Not used for export in ERP.	N/A	
Invoice/DeliveryDate	This field captures the delivery date for the goods or services stated on the invoice.	N/A	
Invoice/DeliveryNote	This field captures the vendor delivery note number if one is found on the invoice.	N/A	
Invoice/Discount	This field captures a discount given by the vendor. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	Driven by Payment terms Code logic
Invoice/DiscountDueDate	Not used for export in ERP.	N/A	
Invoice/DocumentType	INVOICE, CREDIT. This field indicates if the incoming document is an invoice or a credit memo.	API-INVOICE-TYPE	Logic in export mapping to set this value to "C" if DocumentType = "CREDIT" Other wise Blank (Invoice)

Tag	Description	Lawson API Field	Interface Notes
Invoice/DueDate	This field captures the due date for payment.	API-DUE-DATE	If the vendor or location does not have a payment terms code assigned and you do not assign a payment terms code to the invoice, this field is required
Invoice/EmployeeID	This field contains the identification number for the user name of an employee found on the document. This field can be used downstream in the workflow to route the document to the relevant person in your organization. For example, for invoice coding and approval.	N/A	N/A
Invoice/EmployeeIndexNumber	Not used for export in ERP.	N/A	N/A
Invoice/EmployeeName	This field contains the user name of an employee found on the document. This field can be used downstream in the workflow to route the document to the relevant person in your organization. For example, for invoice coding and approval.	N/A	N/A
Invoice/ExchangeRate	Not used for export in ERP.	N/A	N/A
Invoice/Freight	This field captures a freight charge specified by the vendor at the header level. Freight is typically captured at the line-item level.	N/A	Mapped at the Line Level
Invoice/HarmonizedSalesTax	This is a type of sales tax (HarmonisedSalesTax) adopted by many Canadian provinces that combine the traditional Goods and Services Tax (GST) and Provincial Sales Tax (ProvincialSalesTax) into a single tax amount.	N/A	N/A
Invoice/Iban	This number represents the international bank account number invoice payment. It is extracted by the system in partnership with the BIC code.	N/A	N/A
Invoice/Icms	ICMS tax is a form of sales tax that is applied to material items in Brazil. When extracted, the system converts this to a valid amount using a period as the decimal separator. See the *Help for Kofax AP Agility Settings* for additional information.	N/ A	N/A
Invoice/InvalidReason	Not used for export in ERP.	N/A	N/A
Invoice/InvoiceDate	Invoice date	API-DISTRIB-DATE	API-DISTRIB-DATE

Tag	Description	Lawson API Field	Interface Notes
Invoice/InvoiceNumber	The invoice number is a unique identifier for a document, from the point-of-view of the supplier.	API-INVOICE	
Invoice/InvoiceType	PO, NON-PO. This field indicates if an invoice is a purchase order (PO) or a non-purchase order (NON-PO).	N/A	N/A
Invoice/IpaClientName	Not used for export in ERP.	N/A	N/A
Invoice/IsrRetention	The ISR Retention (Impuestos sobre la Renta) field is used to capture the ISR retention component to withhold tax. This field can appear on Mexican invoices. The IVA retention component is captured in the regular withholding tax field.	N/A	N/A
Invoice/LocalVatAmount	Not used for export in ERP.	N/A	N/A
Invoice/MexicanUuid	This field is an invoice number that is provided by the Mexican SAT authorities. It appears as a standard field on electronic documents. It is 36 characters long and must be captured for government reporting purposes.	N/A	N/A
Invoice/NetAmount0	This field contains the extracted amounts on the document that have a tax rate of zero.	N/A	N/A
Invoice/NetAmount1	This field captures an invoice subtotal amount and it forms part of the Invoice Total. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	N/A
Invoice/NetAmount2	These fields contain the extracted amounts on the document that have tax rates specified in TaxRate2-TaxRate4 fields. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	N/A
Invoice/NetAmount3	N/A	N/A	
Invoice/NetAmount4	N/A	N/A	
Invoice/OrganizationName	The name of the invoiced organization in ERP	N/A	N/A
Invoice/OrganizationId	ID of the invoiced organization in ERP	N/A	N/A
Invoice/PaymentReference	This field captures vendor payment references specified on an invoice.	N/A	N/A
Invoice/PoExtension	The PO Extension field is populated in implementations involving JD Edwards or PeopleSoft only. In JD Edwards implementations, this field contains the purchase order type. In PeopleSoft implementations, this field contains the purchasing business unit.	N/A	N/A
Invoice/PoNumber	Purchase order number. Valid only for PO invoices.	API-PO-NUMBER	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/PorNumber	The payment order reference (POR) number is a 27-character transaction ID applied to the invoice by the Swiss Postal Service. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	N/A
Invoice/PorSubscriberNo	The payment order reference (POR) subscriber number. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	N/A
Invoice/PoType	MATERIAL, SERVICE. This field indicates if an extracted purchase order relates to materials or services. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	Static Value Used to determine the type of Export. Not Mapped
Invoice/SiteID	Vendor site ID.	API-REMIT-TO-CODE	N/A
Invoice/TaxAmount1	These fields contain the tax amounts for their corresponding Net Amounts. See the *Help for Kofax AP Agility Settings* for additional information.	API-TRAN-TAX-AMT	N/A
Invoice/TaxAmount2	N/A	N/A	N/A
Invoice/TaxAmount3	N/A	N/A	
Invoice/TaxAmount4	N/A	N/A	
Invoice/TaxRate1	These fields contain the tax rates for their corresponding Net Amounts. See the *Help for Kofax AP Agility Settings* for additional information.	N/A	
Invoice/TaxRate2	N/A	N/A	REQUIRED
Invoice/TaxRate3	N/A	N/A	
Invoice/TaxRate4	N/A	N/A	
Invoice/InvoiceAmount	This field contains the total amount due for payment on the current invoice.	API-TRAN-INV-AMT	
Invoice/VendorCity	Not used for export in ERP.	N/A	N/A
Invoice/VendorId	Vendor ID	API-VENDOR	REQUIRED
Invoice/VendorIndexId	Not used for export in ERP.	N/A	N/A
Invoice/VendorName1	Not used for export in ERP.	N/A	N/A
Invoice/VendorStreet1	Not used for export in ERP.	N/A	N/A
Invoice/VendorStreet2	Not used for export in ERP.	N/A	N/A
Invoice/VendorVat	Not used for export in ERP.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/VendorVatRegNo	The Vendor VAT Registration Number and Bill-to VAT Registration Number are available to satisfy a European legal/fiscal compliance ruling. This law states that if value added tax is charged, the vendor must state their VAT registration number as well as the VAT registration number of the bill-to party on the invoice.	N/A	N/A
Invoice/VendorZip	Vendor ZIP code	N/A	N/A
Invoice/YourRef	Use this field to capture a reference number specified on the invoice that relates to the billable party. It can often consist of a contact name, a reference number, or a combination of both.	N/A	N/A
Invoice/PasswordCn	This field is used for domestic VAT invoices on Mainland China and refers to the encrypted 4-line coding block that appears in the top-right hand quadrant of the invoice document.	N/A	N/A
Invoice/InvoiceCodeCn	This field is used for domestic VAT invoices on Mainland China. It refers to the ten digit numeric code that habitually appears in the top-left hand corner of the document.	N/A	N/A
Invoice/EcmDocumentId	Document ID in the enterprise content management system where the document has been exported to (for ECM integration).	N/A	Would be custom mapped for each implementation
Invoice/DocumentLink	Document ID in ECM where the invoice was exported to by Kofax AP Agility.	N/A	Would be custom mapped for each implementation
Invoice/ErpPoType	Not used for export in ERP.	N/A	N/A
Invoice/ScanDate	Invoice import (or scan) time.	N/A	N/A
Invoice/SubTotal	Not used for export in ERP.	N/A	N/A
Invoice/Urn	Unique archive document ID (for early archiving scenarios).	N/A	N/A
Invoice/IpaInvalidReasonCode	Not used for export in ERP.	N/A	N/A
Invoice/IpaInvalidReasonRule	Not used for export in ERP.	N/A	N/A
Invoice/IpaOrganizationName	Not used for export in ERP.	N/A	N/A
Invoice/IpaOrganizationId	Not used for export in ERP.	N/A	N/A
Invoice/PaymentComments	Not used for export in ERP.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/PaymentMethod	Payment method.	N/A	Defaulted by Vendor in Lawson
Invoice/ImageExtension	Invoice image file name extension (depends on the image type, for example, .tiff, .pdf, etc.)	N/A	Documents are not exported to Lawson
Invoice/ImageBase64	Base64 encoded invoice image	N/A	Documents are not exported to Lawson

Lawson AGS export mapping - Invoice Line fields

The following table explains the invoice line export fields used by the Lawson AGS.

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem	Root for a line item	Lawson API Field	Interface Notes
Invoice/LineItem/Category	Miscellaneous charge category applied to the invoice line item based on the extracted line item description.	N/A	N/A
Invoice/LineItem/Description	Invoice line item description. If the line item is paired, this description appears on the purchase order. If the line is unpaired, this field contains the raw text description that was read from the invoice. For third-party freight invoices, service invoices, and MIRA invoices where no line items were required in the TAB section, and line pairing was either unsuccessful for any lines, or was not carried out, the description is set to THIRD PARTY FREIGHT, SERVICE and MIRA respectively.	N/A	N/A
Invoice/LineItem/Discount	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/LineNumber	Line number (1..N)	MAD-LINE-NBRr0	Each line is added to the first Row

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem/LineType	One of: Item, Sales Tax, Misc. Tax, Freight, Misc. Charge. See IpaLineType below	N/A	Not mapped, but when used would drive different logic for the line depending on the Type of Line..MISC add on cost vs SPREAD add on cost vs TAX
Invoice/LineItem/ MeterialNumber	Invoice line item material number. If the line item is paired, this is populated with the material number from the purchase order line item. If the line is not paired, this is populated with any values read from the invoice.	N/A	N/A
Invoice/LineItem/ OriginalLineNumber	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/PoNumber	The purchase order number, and is populated only if line pairing is successful for this item.	AOI-PO-NUMBER	N/A
Invoice/LineItem/Quantity	The invoice line item quantity.	MAD-ENTERED-QTYr0	Each line is added to the first Row - Only used in PO
Invoice/LineItem/Total	The invoice line item total.	N/A	Not mapped - calculated in Lawson based on unit price X quantity
Invoice/LineItem/UnitPrice	The invoice line item unit price and it is only populated for unpaired line items. In all other cases, it has a value of zero.	MAD-ENT-UNIT-CSTr0	Only used on PO invoices
Invoice/LineItem/ UnitOfMeasure	Unit of measure.	ENT-BUY-UOM	N/A
Invoice/LineItem/UnitOfQuantity	Unit of quantity.	N/A	N/A
Invoice/LineItem/TaxAmount	Tax amount	MISC-INV-AOC-AMTr0	Used in Conjunction with an add on cost code - PO Invoice Only
Invoice/LineItem/TaxRate	Tax rate Invoice line item tax rate. The percentage rate of tax applied to the invoice line item. If no percentage tax rate at line item level can be ascertained, then this value is blank.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem/ChargeCode	Invoice line item charge code. This is lifted from the purchase order line item to which an invoice line is paired.	N/A	N/A
Invoice/LineItem/ChargeCodeId	Invoice line item charge code ID (only for PO-matched lines). This is lifted from the purchase order line item to which an invoice line is paired.	N/A	N/A
Invoice/LineItem/ CompanyCode	Company code that corresponds to a line item. This is lifted from the purchase order when an invoice line is paired.	N/A	N/A
Invoice/LineItem/ErpPoType	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/MaterialGroup	This column represents the material group of the purchase order line item material. If available, it can be mapped simply to pass this data to a downstream ERP for a paired line item.	N/A	N/A
Invoice/LineItem/Plant	Plant ID. This is lifted from the purchase order line item with which an invoice line is paired.	N/A	N/A
Invoice/LineItem/ PoLineNumber	The purchase order line item number. It is populated only if line pairing has been successful for this item.	MAD-LINE-NBRr0	N/A
Invoice/LineItem/Puom	The order unit of measure and it is populated with the purchase order line item order unit measure if the line item has been paired.	N/A	N/A
Invoice/LineItem/QtyPuom	The quantity in the order price unit of meausre. This value is calculated during line pairing if UOM does not correspont to PUOM.	N/A	N/A
Invoice/LineItem/ TaxableAmount	Taxable amount	APD-TAXABLE-AMT	Only mapped on non-po Invoices
Invoice/LineItem/TaxCode	The invoice line item tax code, and it is populated using the tax determination procedure if a line item is paired.	APD-TAX-CODE	Only mapped on non-po Invoices
Invoice/LineItem/Activity	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	Mapped in GLSegments
Invoice/LineItem/BusinessArea	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	Mapped in GLSegments
Invoice/LineItem/CostCenter	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	Mapped in GLSegments

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem/DbCrIndicator	The subsequent debit or credit indicator that indicates is the line item is a subsequent debit of a credit line item. If this value is set to X and the document type is INVOICE, then the line item is treated as a subsequent debit, the amount only and not the quantity. If the value is set to X and the document type is CREDIT then the line item is treated as a subsequent credit. If the value is blank the line item is treated as a regular line item.	N/A	N/A
Invoice/LineItem/InternalOrder	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/Network	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/ProfitCenter	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/SalesOrder	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/ SalesOrderItem	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/TaxJurCode	The invoice line tax jurisdiction code. It represents the downstream ERP system ID for the tax office where taxes are paid for this line item. This is used in countries that have tax jurisdictions for their sales tax. It is populated only if the line item is paired.	N/A	N/A
Invoice/LineItem/WbsElement	Not used for export in ERP. *Copied from accounting data that was retrieved from ERP. Obviously SAP only so far.*	N/A	N/A
Invoice/LineItem/GlAccount	GL account string specified in the AP Agility Workflow Coding Activity.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem/GlSegment	The value of one GL segment in GL account. This tag may repeat for the invoice line. The number of the segments should be equal to the number of segments specified for the account (in GlAccount tag). Each GlSegment tag should have two attributes: 1. segmentNumber - the number of the segment in the account structure (as specified in **Kofax AP Agility** > **Settings** > **GL Account Structures** for the segment structure. 1. name - the segment name as specified for this segment in GL structure CSV **Example:** *<GlAccount>01-000-1100-0000-000<GlAccount> <GlSegment segmentNumber="1" name="Organization">01<GlSegment> <GlSegment segmentNumber="2" name="Department">000<GlSegment> <GlSEgment segmentNumber="3" name="Account">1100<GlSegment> <GlSegment segmentNumber="4" name="SubAccount">0000<GlSegment> <GlSegment segmentNumber="5" name="Project">000<GlSegment>*	NON-PO/ Credit Invoices : APD-DIST-COMPANYr0 APD-DIS-ACCT-UNITr0 APD-DIS-ACCOUNTr0 APD-DIS-SUB-ACCTr0 ADD-ON-COST: API-COMPANY MISC-ACCT-UNITr0 MISC-ACCOUNTr0 MISC-SUB-ACCTr0 PO-Invoices: N/A	Based on the line type different logic is used to map fields
Invoice/LineItem/ ConditionCount	Not used for export in ERP. *SAP only - refers to planned conditions*	N/A	N/A
Invoice/LineItem/ ConditionStepNo	Not used for export in ERP. *SAP only - refers to planned conditions*	N/A	N/A
Invoice/LineItem/ConditionType	Not used for export in ERP. *SAP only - refers to planned conditions*	N/A	N/A
Invoice/LineItem/FreightVendor	Not used for export in ERP. *SAP only - also related to planned conditions*	N/A	N/A
Invoice/LineItem/GrDocItem	The receipt line item number. It is populated only if 3-way line pairing has been successful for this item.	N/A	N/A
Invoice/LineItem/GrDocNo	The receipt number, and is populated only if 3-way line pairing is successful for this item.	N/A	N/A
Invoice/LineItem/GrDocYear	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/SheetItem	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/SheetNo	Not used for export in ERP.	N/A	N/A
Invoice/LineItem/ lpaBusinessUnit	PeopleSoft business unit, copied over from PO line.	N/A	N/A

Tag	Description	Lawson API Field	Interface Notes
Invoice/LineItem/IpaLineType	Invoice line item type populated by Invoice Processing (see the Line Type field above). This is lifted from the purchase order line item to which an invoice line is paired.	N/A	N/A

Agnostic ERP configuration

If you used the Full installation or selected to install the Agnostic Install ERP Connector Web Service during the custom installation, configure the following in order to use this ERP system in production.

- Windows authentication for Agnostic ERP

For more information on configuring the Agnostic ERP and how it is used in Kofax AP Agility, refer to the *Help for Kofax AP Agility Settings*.

Windows authentication for Agnostic ERP

If you are using Windows authentication, it is necessary to change the authentication type for your Agnostic ERP web service.

You can enable Windows authentication for your Agnostic ERP connection by following these steps.

1. Open IIS.
2. Navigate to and click on your **ApAgilityErpConnector** web site.
   A list of icons appears in the central panel.
3. Under the **IIS** group, double-click **Authentication**.
   The Authentication page is displayed.
4. Click **Windows Authentication**
   The Actions panel to the right is updated with options for this setting.
5. In the **Actions** panel, click **Enable**.
   The Windows Authentication status is updated in the central panel.
6. Close IIS.
   Windows authentication is now configured for the Agnostic ERP connector.

ERP master data import

The ERP master data in the Kofax AP Agility database must be updated regularly. For the Agnostic ERP, data is imported from CSV files. For other connections, data is imported from the ERP application.

For the Agnostic ERP, you need to edit the `web.config` file to configure the `input_path` that indicates where the CSV files with the ERP master data are located on the file system. These files must be in the appropriate CSV format for the data you are importing. For more information on configuring the Agnostic ERP `web.config` file, refer to the *Help for Kofax AP Agility Configuration*.

To import the ERP master data, use the AP Data Import job. The Kofax AP Agility Administrator sets up the schedule for the job or starts the job manually. One job imports data for all organizations.

Kofax AP Agility makes records about the status of the import jobs in these Kofax AP Agility database tables:

- ERP_CONNECTOR_SERVICE_CALL_STATUS: Contains the status of each ERP Connector call.
- ERP_IMPORT_JOB_STATUS: Contains the status of loading data as it is prepared by the ERP Connector to the Kofax AP Agility database.

Use these records for troubleshooting purposes if the import fails or not all data was loaded.

The ERP master data includes the following types of data with the corresponding Kofax AP Agility database tables:

- **ERP invoices**: ERP_INVOICE
- **Payment terms**: PAYMENT_TERM
- **Payment terms details**: PAYMENT_TERM_DETAIL
- **Vendors**: VENDOR_MASTER_DATA
- **PO headers**: PO_HEADER
- **PO lines**: PO_LINES
- **GL Segments**: GL_SEGMENTS
- **Plants**: PLANTS
- **Receipt lines**: RECEIPT_LINES
- **Tax Codes**: TaxCode
- **Miscellaneous Charge**: MiscChargesAccount
- **Unit of Measure Conversions**: BRWUOMConversions
- **Employee**: BRWEmployeeMaster

The data for all ERP master data types is located in the corresponding CSV files. Data types and formats are as follows:

- **Number**: Standard number format
- **Integer**: Standard integer number format
- **Double**: Double number format with floating decimal
- **String**: Commas in the text must be in quotation marks
- **Datetime**: yyyy-mm-dd HH:MM:SS
- **Bit**: 0 or 1

CSV exchange format

In CSV format, place the fields in the order specified in this section. This format must contain a header, and fields must be separated by a comma.

ERP invoices CSV format

Table name: ERP_INVOICE

File name (for Agnostic ERP): erp_invoices.csv

Field Index	Type	Description
1	String	Invoice ID in ERP

Field Index	Type	Description
2	String	Business unit ID in ERP
3	String	Invoice number
4	Datetime	Invoice date
5	String	Invoice type: • PO (for single PO invoices) • NON-PO • Credit Memo Invoice
6	Number	Invoice amount
7	String	PO Number (or Purchase Order Number)
8	Datetime	Payment date
9	Datetime	Canceled date
10	String	Invoice payment status (PAID or UNPAID)
11	String	Vendor Name
12	String	Vendor site code
13	String	Vendor site ID
14	String	ERP vendor ID

For example, the contents of the erp_invoices.csv file may look as follows:

```
ERP_INVOICE_ID, ERP_BUSINESS_UNIT_ID, INVOICE_NUMBER, INVOICE_DATE, INVOICE_TYPE,
 INVOICE_AMOUNT, PO_NUMBER, PAYMENT_DATE, CANCELLED_DATE, INVOICE_STATUS, VENDOR_NAME1,
 VENDOR_SITE_CODE, VENDOR_SITE_ID, ERP_VENDOR_ID
214303,204,nd03np_KTM_05/31/2017,2017-05-31 00:00:00,Non-PO Invoice,1000,,,,UNPAID,GE
 Capital,BOSTON,289,93
214304,204,nd04np_KTM_05/31/2017,2017-05-31 00:00:00,Non-PO Invoice,1000,,,,UNPAID,GE
 Capital,BOSTON,289,94
214302,204,nd02np_KTM_05/31/2017,2017-05-31 00:00:00,Non-PO Invoice,1000,,,,UNPAID,GE
 Capital,BOSTON,289,95
```

Payment terms CSV format

Table name: PAYMENT_TERM

File name (for Agnostic ERP): payment_terms.csv

Field Index	Type	Description
1	String	Payment term ID in ERP
2	String	Business unit ID in ERP
3	String	Payment term name
4	String	Payment term description

For example, the contents of the payment_term.csv file may look as follows:

```
ERP_TERM_ID, ERP_BUSINESS_UNIT_ID, TERM_NAME, TERM_DESCRIPTION
10000,204,Prepayment Immediate,Seeded immediate terms for prepayments - do not update
```

```
10001,204,Immediate,Scheduled for payment immediately
```

Payment terms details CSV format

Table name: PAYMENT_TERM_DETAIL

File name (for Agnostic ERP): payment_term_details.csv

Field Index	Type	Description
1	String	Payment term detail ID in ERP
2	String	Business unit ID in ERP
3	Number	Payment sequence number
4	Number	Percentage of invoice amount that must be paid before the invoice due date
5	Number	Amount that must be paid before the invoice due date. One of the fields DUE_PERCENT or DUE_AMOUNT must be left blank
6	Number	Days left before the invoice due date
7	Number	Day of the month in the invoice due date
8	Number	Months left for the invoice to be paid
9	Number	Percentage of the discount
10	Number	Days left before the discount due date
11	Number	Day of the month before the discount due date
12	Number	Months before the discount due date

Vendors CSV format

Table name: VENDOR_MASTER_DATA

File name (for Agnostic ERP): vendors.csv

Field Index	Type	Description
1	String	The unique vendor ID from the extracted data. Each row must have a unique reference. This is not the unique vendor ID from the ERP system if a site ID is also used.
2	String	Business unit ID in the ERP (company code).
3	String	Default ERP payment terms ID for the vendor. It should match the payment terms in Payment Terms CSV.
4	String	Description.
5	String	Vendor name.
6	String	Vendor site ID. It should be empty if the ERP does not support the vendor sites.
7	String	Vendor site code. It should be empty if the ERP does not support the vendor sites.
8	String	Vendor street address line 1.

Field Index	Type	Description
9	String	Vendor street address line 2.
10	String	Vendor city.
11	String	Vendor zip code or postal code.
12	String	Vendor state. For U.S. addresses, the state code is expected here, such as CA = California, VA = Virginia.
13	String	Vendor country. This is a two character ISO-code for the country, such as US = United States of America, DE = Germany, GB = United Kingdom.
14	String	Vendor VAT code.
15	String	Vendor VAT registration number. If the vendor is registered for VAT in more than one country, then multiple VAT registration numbers are provided in the form of a comma-separated list and the entire column value should be quoted to preserve CSV format.
16	String	Tax number.
17	String	Bank code. This is the U.S. equivalent of a routing number.
18	String	Bank account number.
19	String	Email.
20	String	URL.
21	String	Vendor telephone number.
22	String	Fax.
23	String	Contact name.
24	Bit	Is active.
25	Bit	Is enabled.
26	String	Term date basis: • Invoice. • Goods received. • Current. • Invoice received.
27	String	Vendor Post Office (PO) box number.
28	String	ZIP or postal code associated with the vendor Post Office (PO) box.
29	Bit	The boolean indicator that denotes whether the vendor belongs to an EU member state country.
30	String	Vendor currency.
31	String	Vendor tax ID 1.
32	String	Vendor tax ID 2.
33	String	ID of the tax office where the vendor is based.

Field Index	Type	Description
34	String	Vendor invoice type. This is set to a value that denotes either PO-supplying vendor or vendor that submit invoices that legitimately do not reference the purchase order. The value should be: • FI: If the vendor can send non-PO invoices. • MM: Vendor is able to send only PO invoices.
35	String	The comma-separated list of payment method codes appropriate for the vendor. If more than one code is specified then entire column value to be quoted to preserve CSV format.
36	String	Leave this value empty.
37	String	The comma-separated list of company codes that are valid for the vendor. If more than one code is specified then entire column value to be quoted to preserve CSV format.
38	Bit	Indicates whether the vendor is a utility vendor
39	String	Vendor POR subscriber number used only for Switzerland.
40	String	External site ID.
41	String	ERP system vendor account group.
42	String	Party that receives payment for an invoice.
43	String	Leave this value empty.
44	String	The vendor SIRET ID. This ID code used in France that uniquely identifies a single vendor at a single address. It is often found on French invoices.
45	String	The unique vendor identifier code, such as a Chinese tax number.
46	String	Indicates whether a vendor is or is not an Intercompany vendor.
47	String	Vendor bank account code as specified in ERP.

PO headers CSV format

Table name: PO_HEADER

File name (for Agnostic ERP): po_headers.csv

Field Index	Type	Description
1	String	PO header ID in ERP
2	String	Business unit ID in ERP
3	String	PO number
4	String	PO type: • MATERIAL • SERVICE
5	String	Vendor ID in ERP
6	String	Vendor name

Field Index	Type	Description
7	String	Vendor site ID
8	String	Vendor site code
9	String	PO Status
10	Bit	Is Active

PO lines CSV format

Table name: PO_LINES

File name (for Agnostic ERP): po_lines.csv

Field Index	Type	Description
1	String	PO line ID in ERP
2	String	Business unit ID in ERP
3	String	PO header ID in ERP
4	String	PO number
5	Number	Line number
6	String	Material number
7	String	Material group
8	String	Description
9	Number	PO Quantity
10	Number	Unit price
11	Number	PO total
12	String	Tax code
13	String	Tax jurisdiction code
14	String	Unit of measure
15	Number	Price unit
16	String	PUOM (Order price unit of measure)
17	Number	Total quantity delivered
18	Number	Total value delivered
19	Number	Total quantity invoiced
20	Number	Total value invoiced
21	String	Item category or line item type
22	String	Plant (The location code for the ship-to address where the goods were delivered, or where a service was performed)
23	String	Charge code
24	String	Charge code ID

Field Index	Type	Description
25	String	ERP PO type (for JD Edwards PO)
26	String	ERS flag
27	Bit	Receipt required

GL segments CSV format

Table name: GL_SEGMENTS

File name (for Agnostic ERP): gl_segments.csv

Field Index	Type	Description
1	String	GL Segment ID in ERP
2	String	Business unit ID in ERP
3	Integer	GL Segment Number
4	String	GL Segment Value
5	String	Description
6	String	GL Segment Name

Plants CSV format

Table name: PLANTS

File name (for Agnostic ERP): plants.csv

Field Index	Type	Description
1	String	Plant ID. It must be unique in CSV. It matches Plant field specified for PO lines. It is exported as the invoice line Plant field.
2	String	Organization ID the plant belongs to. If an organization ID is not provided, the plant is created and linked to the same organization to which the ERP Connection belongs.
3	String	Two character ISO country code for the plant. Entries with empty country code are skipped in the import process.
4	String	State where the plant is located. For the United States, use the two-character state code such as CA for California.

Receipt Lines data format

Table name: RECEIPT_LINES

File name (for Agnostic ERP): receipt_lines.csv

Field Index	Type	Description
1	String	Business unit ID in ERP (company code).
2	String	PO number, which is used during line pairing to match the receipt line to the number of PO. (See PO lines CSV format.)

Field Index	Type	Description
3	String	ERP PO line number. This is an ERP-specific line ID in the PO, such as the line number. It must be unique among lines in the PO. It is used during line pairing to match the receipt line to the number of PO line. (See PO lines CSV format.)
4	String	ERP receipt ID. It is used by Invoice Processing Agility as the receipt number (DOC_NO field) during line pairing. For the line paired invoice lines, it is exported as GRDocNo tag.
5	String	ERP receipt item number. It is used by Invoice Processing Agility as the receipt item (DOC_ITEM field) during line pairing. For paired invoice lines, it is exported as the GRDocItem tag.
6	String	Delivery document number.
7	Double	Quantity.
8	Double	Unit price.
9	Double	Total amount.
10	Double	Quantity invoiced.
11	Double	Total invoiced.
12	String	Receipt year.

Employee format

Table name: BRWEmployeeMaster

File name (for Agnostic ERP): employee.csv

Field Index	Type	Description
1	String	Index ID of the employee record. This value is required.
2	Integer	ID of the partition for the employee. This value is required.
3	String	ID of the employee. This field is required.
4	String	Employee name.
5	String	First line of the employee's address.
6	String	Second line of the employee's address.
7	String	Employee's city.
8	String	Employee's ZIP code.
9	String	Employee's state.
10	String	Employee's country code.
11	String	Employee's telephone number.
12	String	Employee's tax ID 1.
13	String	Employee's tax ID 2.

Miscellaneous Charge format

Table name: MiscChargesAccount

File name (for Agnostic ERP): misc_charge.csv

Field Index	Type	Description
1	Integer	PO partition. This field is required.
2	String	Company code. This field is required.
3	String	Category of the charge. This field is required.
4	String	Plant.
5	String	Line type.
6	String	GL account number.
7	String	Cost center.
8	String	Profit center.
9	String	Tax code.

Tax code format

Table name: TaxCode

File name (for Agnostic ERP): taxcode.csv

Field Index	Type	Description
1	Integer	Partition ID.
2	String	Vendor ID.
3	String	Two-character country code. This value is required.
4	String	Two-character code of the country where the item was shipped to. This value is required.
5	String	Two-character code of the country where the item was shipped from. This value is required.
6	String	If this is a service. Enter either Y or N.
7	String	Material number.
8	String	Material group.
9	Number	Tax percentage. This value is required.
10	String	Tax code.

Unit of Measure Conversion format

Table name: BRWUOMConversions

File name (for Agnostic ERP): uom_conversion.csv

Field Index	Type	Description
1	Integer	PO partition. This field is required.
2	String	Material number. This field is required.
3	String	Base unit of measure. This field is required.
4	String	Numerator for the unit of measure. This field is required.
5	String	Denominator for the unit of measure. This field is required.
6	String	External unit of measure. This field is required.

Configure ERP import job schedule

To configure the optimal schedule, consider the amount of ERP master data. If you have a large amount of ERP master data and you set the import job schedule to run too often, performance issues may occur.

You can set up a job schedule to import the ERP master data to the Kofax AP Agility database by following these steps.

1. Launch the TotalAgility Designer
2. From the navigation pane, select **System** > **Job Schedules**.
   The **Job schedules** page is displayed for the Default Category.
3. From the **Category** list, select **AP Agility**.
   A list of AP Agility job schedules is displayed, if there are any.
4. Click **New** to add a new schedule.
   The **New job schedule** window is displayed.
5. Fill in the new job schedule form as follows.
   a. Enter a **Name**.
   b. Click on the **Process** list, select the **AP Agility** category, and then select the **AP Data Import** job.
   c. Specify the other settings as required..
      It is recommended that you set up the import job schedule to run once per day. In case of performance issues, ensure that the import occurs when the system if not heavily used. For example, at night.
6. Click **Save** to save the import job schedule.

ERP import job status history

Kofax AP Agility keeps the following information about the executed import jobs in the `ERP_IMPORT_JOB_STATUS` table in the Kofax AP Agility database.

- Job status ID
- Kofax AP Agility job ID
- Import datetime
- Import status
- Error messages
- Number of ERP invoices imported to the Kofax AP Agility database

- Number of payment terms imported
- Number of payment term details imported
- Number of PO headers imported
- Number of PO lines imported
- Number of receipt lines imported
- Number of vendors imported
- Number of GL segments imported
- Number of plants imported
- Number of employees imported
- Number of UOM conversions imported
- Number of tax codes imported
- Number of miscellaneous charges imported

Localization

Kofax AP Agility supports localized end-user activities in English, French, German, Spanish, and Brazilian Portuguese.

However, the translations for the Kofax TotalAgility Global Variables are not installed automatically when Kofax AP Agility is installed. Instead, it is necessary to manually install the translations for these variables.

Install translations for global variables

Because translations for the Kofax TotalAgility Global Variables are not installed automatically when Kofax AP Agility installed, it is necessary to do this manually.

You can manually install the translations for the Kofax TotalAgility Global Variables needed by Kofax AP Agility by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Import**.
   The **Import** page is displayed.
3. Click **Browse**, navigate to your extracted files, and then select `/Languages/KofaxAPAgility-2.3.0_Lang.zip`.
   The zip file is loaded automatically.
4. Click **Import** to start the import.
   When the languages are imported successfully, a message appears.
5. On the navigation pane, click **Translation**.
   The **Translation** page is displayed.
6. From the **Translate** list, select **Global Variables** and then click **Translate**.
   The **Translation: Global variables** window is displayed with a list of variable values in English and the other supported languages.
7. Click **Save**.
   This applies the imported translations to any forms that use one or more of the global variables.
8. Optionally, close the TotalAgility Designer.

Configure Invoice Processing

In order to use the Invoice Processing functionality of Kofax AP Agility, the following additional configuration steps are required. Each step contains its own set of instructions and the order is important. Skipping steps that are not optional, or performing steps out sequence can result in a failed installation.

1. Configure the Invoice Processing Administrator resource access.
   To add additional resources, refer to the *Help for Kofax AP Agility Settings*.
2. Optionally, if you are using Windows authentication, configure the authentication type and timeout session behavior.
3. Create CSV files for database lookups.
4. Optionally, modify the recognition engines in Transformation Designer.
   This step is necessary only if you are processing documents in languages other than English.
5. Prepare ingestion configuration.
   - Configure filesystem ingestion.
   - Configure scan ingestion.
   - Configure email ingestion.
6. Configure page Image rendition.
7. Optionally, install PIX.
8. Restart the services.

Configure Invoice Processing Administrator access

Before you can start configuring the Invoice Processing functionality for Kofax AP Agility, it is necessary to configure the Invoice Processing Administrator access in the TotalAgility Designer.

You can configure the Invoice Processing Administrator resource access by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Resources** > **Groups**.
   The **Resources and groups** page is displayed for the Default Category.
3. From the **Category** list, select the **InvoiceProcessingAgility** category from the menu.
   A list of groups related to Invoice Processing is displayed.
4. Click **IPA_Administrators**.
   The **Edit resource group** window is displayed for the selected resource group.
5. To add group members click **Add** next to the **Group members** field.
   The **Add group members** window is displayed.
6. In the list of users in the **Individual** tab, click **Administrator** to add this to your group.
   The selected user is added to the list below.
7. Click **Done**.
   The **Add group members** window is closed and the **Administrator** user is added to the **IPA_Administrators** resource group.

8. In the **Edit group resource** window, click **Save**.
   The **Edit group resource** is closed and your changes are saved.
9. Optionally, if you are also using the AP Agility Workflow functionality, Configure AP Agility Workflow Administrator access.

CSV files for database lookups during Invoice Processing

Before you can use the Invoice Processing functionality of Kofax AP Agility it is necessary to create the CSV files that are used by the database lookups that appear in the Invoice Processing Validation Activity. This is because the Associative Search Engine used by these database lookups requires a CSV file.

To aid in this, there is an automatic process to convert the `BRWVendorMaster`, `BRWEmployeeMaster`, and the `BRWCompanyAddressMaster` database tables from the Kofax AP Agility database into CSV format. These CSV files are then stored in Kofax TotalAgility and used by the database lookups.

By default, the following three databases exist in Transformation Designer and they directly correlate to the Kofax AP Agility database tables.

- VendorASE
- EmployeeASE
- CompanyCodeASE

However, there is no information available for these databases until you crease CSV files based on your Vendor, Employee, and Company Code data.

If you are not using the Employee field, the `BRWEmployeeMaster` table is not needed. Similarly, if you are getting the Company Code from the PO or from the file name, the `BRWCompanyAddressMaster` table is not needed. You can leave one or both of these tables blank.

The `BRWVendorMaster` table is always used and needs populated with your own data.

If you do not have any vendor, employee, or company code data, you can still create the CSV files. This is possible because mock data is provided for empty tables to ensure that the CSV creation succeeds. You can add your own data to one or more of the master tables at a later time.

In order to ensure that the database lookups behave as intended, do the following.

1. Optionally, add your own data to the master tables that you are using.
2. Populate the CSV files.
3. Configure your CSV files to regularly update.
4. If you did not add data to the master tables earlier, add your data now.
   The CSV files are update automatically the next time that your scheduled job is executed.
   Alternatively, you can force the CSV file to update by running the same job that you used to create the CSV files in the first place.

For more information on the Transformation Designer and how to use this tool, please refer to the *Help for Transformation Designer*.

Vendor master data

Use the following table to prepare your Vendor Master data for export into the `BRWVendorMaster` database table.

Note This table is mandatory. Populate it with your own data to ensure that the database locator is able to reconcile your vendors during the Invoice Processing Validation Activity.

Column	Type	Description	Example
`IndexID`	varchar	A unique key for vendor addresses across all partitions. This `IndexID` is a compound string that is made up from the `PartitionID`, the `ID` (Vendor), and if available, the `SiteID`. The `PartitionID` and the `ID` are separated by a hyphen (-). By default, the `ID` and `SiteID` are separated by a tilde (~). This separator between the `ID` and the `SiteID` is configurable using the **Alpha Num Site Separator** option in the **Settings** > **Invoice Processing** > **Capture Profiles** > **Vendor Settings**.	`0-12345~5` In the above example, the `PartitionID` is 0, the `ID` (Vendor) is 12345, and the `SiteID` is 5.
`PartitionID`	int	The Vendor partition. This is used to distinguish Vendors from different sources.	`0`
`ID`	varchar	The Vendor ID that is used in the ERP.	`12345`
`SiteID`	varchar	The `SiteID` for the associated Vendor. This may not be used for some Vendors. If this is used, it is part of the `IndexID`. **Note** The `SiteID` is commonly used by Oracle or PeopleSoft.	`5`
`Name`	varchar	Vendor name.	`Thumps Up`
`Address1`	varchar	First line of Vendor address.	`Drummers Lane`
`Address2`	varchar	Second line of Vendor address, if applicable.	
`City`	varchar	City of the Vendor address.	`Houston`
`Zip`	varchar	Post code or Zip code of the Vendor address.	`77032`
`State`	varchar	State or region of the Vendor address.	`TX`
`Country`	varchar	Country of the Vendor address. This must be given as an ISO 3166 Alpha-2 character code.	`US`
`POBox`	varchar	PO Box of the Vendor Address, if applicable.	`12345678`
`POBoxZip`	varchar	PO Box Zip code of the Vendor Address, if applicable.	`77032`

Column	Type	Description	Example
EUMember	varchar	Indicates whether or not the Vendor is from a country that is a member of the European Union. Use an "X" to indicate that a Vendor is from an EU country. When a Vendor is from an EU country, this column indicates when it is necessary to resolve tax codes and provide VAT compliancy checks.	X
Currency	varchar	Currency of the Vendor Country. The currency code must comply with the ISO 4437 code standard.	GBP
TAXID1	varchar	The Primary Tax ID for a Vendor. Kofax AP Agility does not require this for any business logic. However, you can populate and use this as a searchable field if needed.	
TAXID2	varchar	The Secondary Tax ID for a Vendor. Kofax AP Agility does not require this for any business logic. However, you can populate and use this as a searchable field if needed.	
VATRegNo	varchar	The Vendor VAT registration number(s). Multiple VAT registration numbers must be presented as a comma-separated list, if the Vendor is VAT registered in more than one country. VAT registration numbers should contain the two-character country prefix, but this is not mandatory. This is used to populate the VendorVATRegNo field if a VAT compliancy check is required.	DE118827839
TaxJurCode	varchar	The tax jurisdiction code. Kofax AP Agility does not require this for any business logic. However, you can populate this field and access it in custom user exits.	
TelNo	varchar	The Vendor telephone number. Kofax AP Agility does not require this for any business logic. However, you can populate and use this as a searchable field if needed.	
InvoiceType	varchar	The Vendor invoice type. This must correspond to the configured PO or NPO value specified in the **Settings** > **Invoice Processing** > **Capture Profiles** > **Invoice Type Settings**. This is relevant if the **Set By Vendor** value is set only.	PO

Column	Type	Description	Example
`PaymentMethods`	varchar	A comma-separated list of Bank methods for the Vendor. This must match one of the methods configured in the **Settings** > **Invoice Processing** > **Capture Profiles** > **Payment Method Settings** in order to enable bank account extraction.	`B,T`
`BankDetails`	varchar	The bank account details for the Vendor. This is a colon-separated list that uses the following format. `BankAccount,SortCode, ERPBankAccountCode:` **Note** A sort code is the US equivalent of a routing number.	`357357,,CAD1: 789789,,EUR1` In the above example, the Vendor has two different sets of bank details. One for Canadian dollars, and another for Euros. In both cases, the Vendor does not have a sort code.
`WithholdingTax Details`	varchar	A colon-separated list in the following format. `CompanyCode,WithholdingTaxType, WithholdingTaxCode:` If there is withholding tax on the invoice at the time of posting, the system posts the full withholding tax amount to the entry with the relevant company code. **Important** This column is relevant for SAP only.	
`CompanyCodes`	varchar	A comma-separated list of company codes that are valid for the Vendor. Optionally limits what company codes are valid for a vendor. If this database entry contains one or more values, the corresponding vendor is accepted only when the company code extracted for the invoice, is contained in this list.	
`UtilityFlag`	varchar	Indicates if a Vendor is a utility vendor. If used, this value for this must correspond to one of the utility aliases configured in the **Settings** > **Invoice Processing** > **Capture Profiles** > **Invoice Number Settings**.	
`PORSubscruberNo`	varchar	The Swiss purchase order subscriber number for the Vendor. If this value is populated, it overrides the extracted value during export.	

Column	Type	Description	Example
ExternalVendorID	varchar	The external VendorID. If a Vendor has a value for this field, it is used as the ID (Vendor). This is used by some ERP systems like Oracle EBS.	
ExternalSiteID	varchar	The external SiteID. Kofax AP Agility does not require this for any business logic. However, you can populate this field and access it in custom user exits.	
VendorAccountGroup	varchar	The Vendor account group. This is available for export.	
AlternatePayee	varchar	The Vendor alternate payee. This is used for the ALTERNATIVEPAYYEE export key if the AlternativePayee field is not populated.	
PermittedPayee	varchar	A comma-separated list of permitted alternative payees for this Vendor. This list contains the ID (Vendor) (without the PartitionID and SiteID). **Important** This is supported by SAP only.	12345
SiretID	varchar	The French SiretID for this Vendor, if applicable.	RC NANTES 234 987 456
VendorIdentifier	varchar	A unique Vendor identifier, such as a Chinese tax registration number. This is used for vendor scoring if found on the document.	
InterCompany	bit	Indicates if a Vendor is an intercompany vendor. Intercompany vendors are used only for vendor extraction if the invoice is classified into the Intercompany class.	

Employee master data

Use the following table to prepare your Employee Master data for export into the BRWEmployeeMaster database table.

Note If you are using the Employee field, populate this table with your own data

Column	Type	Description	Example
IndexID	varchar	A unique key for employee addresses across all partitions. This IndexID is a compound string that is made up from the PartitionID and the ID (Employee). The PartitionID and the ID are separated by a hyphen (-).	0-12345
PartitionID	int	The Employee partition. This is used to distinguish Employees from different sources.	0
ID	varchar	The Employee ID that is used in the ERP.	12345
Name	varchar	The Employee name.	Michael Miller
Address1	varchar	The first line of the Employee address.	Drummers Lane
Address2	varchar	The second line of the Employee address.	
City	varchar	The Employee city.	Houston
Zip	varchar	The Employee post code or zip code.	77032
State	varchar	The Employee state or region.	TX
Country	varchar	The Employee country. This must be given as an ISO 3166 Alpha-2 character code.	US
TelNo	varchar	The Employee telephone number.	
TaxID1	varchar	The Employee primary tax code.	
TaxID2	varchar	The Employee secondary tax code.	

Company Code data

Use the following table tp prepare your Company Code data for export into the BRWCompanyAddressMaster database table.

Note If you are getting the company code from this database table, populate it with your own data to ensure that the database locator is able to reconcile company codes during the Invoice Processing Validation Activity.

Column	Type	Description
CompanyCode	varchar	A unique identifier for a company.
CompanyName	varchar	The name of a company.
CompanyAddress	varchar	The Company address. This address should be similar to what is printed on the invoice.

Dump address data to CSV databases

There is a process in Kofax TotalAgility that enables you to automatically create CSV files from the `BRWVendorMaster`, `BRWEmployeeMaster`, and the `BRWCompanyAddressMaster` tables in the AP Agility database. These files are then stored in Kofax TotalAgility.

You can create the CSV database needed for the database lookups in Transformation Designer by following these steps.

1. Ensure that data is available in the AP Agility database for the `BRWVendorMaster`, `BRWEmployeeMaster`, and the `BRWCompanyAddressMaster` tables.

   If you have no data for these tables at this time, or you do not plan to use all three database lookups, you can leave those tables blank. The CSV tables are created using mod data that you can update at a later time when it is available.
2. Open the AP Agility Workspace.
3. From the **Jobs** menu, select **Create**.

   The **Create Jobs** page is displayed.
4. From the **Category** list, select **InvoiceProcessingAgility**.

   The **Process** list is populated with processes.
5. From the **Process** list, select **DumpAddressFiles**
6. Click **Create**.

   A message is displayed when the job is created successfully and the Vendor.csv, Employee.csv, and CompanyCode.csv files are created automatically. These files are stored in Kofax TotalAgility and picked up automatically by the corresponding database locators in the Transformation Designer.

   However, it is still necessary to Release your project in Transformation Designer after you create the CSV databases.

Release project with new database references

When Kofax AP Agility is first installed, three database lookups are created in Transformation Designer automatically. Now that you have dumped your address data to CSV files that are stored in Kofax TotalAgility, it is necessary to open and then release your project in Transformation Designer so that the newly created databases are use.

You can update the project and its databases by following these steps.

1. If not already done, dump your address data.
2. Open the Transformation Designer.
3. From the **Project** tab, click **Open Project**.

   The **Open Project** window is displayed.
4. From the **Select category** group, select the **InoviceProcessingAgility** category.

   The **Select project** area is updated.
5. In the **Select project** area, expand **Shared**, and then double-click on the **InvoiceProcessingAgility** project.

   The project opens.
6. On the **Project** tab, click **Project Settings**.

   The **Project Settings** window is displayed.

7. In the **Project Settings** window, click on the **Databases** tab.
   The **Databases** tab is displayed.
8. Select the **VendorASE** database and click **Import**.
   When prompted to import the database click **Yes**.
   The corresponding CSV file is imported.
9. If you are using the Employee field, select the **EmployeeASE** database and click **Import**.
   When prompted to import the database click **Yes**.
   The corresponding CSV file is imported.
10. If you are using the Company Code field, select the **CompanyCodeASE** database and click **Import**.
    When prompted to import the database click **Yes**.
    The corresponding CSV file is imported.
11. On the **Project Settings** window, click **OK**.
    Your changes are saved and the window closes.
12. On the **Project** tab, click **Release**.
    The project is released with the updated databases.
13. Close the Transformation Designer.

Configure CSV databases to update automatically

When you converted the `BRWVendorMaster`, `BRWEmployeeMaster`, and the `BRWCompanyAddressMaster` database tables into CSV databases, that was a single point-in-time representation of that data. Since it is likely that some of those tables are modified regularly with additional data over the lifetime of your project, it is necessary to update the CSV files at regular intervals.

You can update the CSV databases at regular intervals by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **System** > **Job schedules**.
   The **Job schedules** page is displayed for the Default Category.
3. From the **Categories** list, select **InvoiceProcessingAgilty**.
   A filtered list of scheduled jobs is displayed.
4. Click the **AddressData2CSV** scheduled job.
5. When prompted, click **Yes** to lock the scheduled job for modification.
   The properties for the job are displayed.
6. Select **Active**.
7. Edit the **Shedule** options so that this job is executed as needed.
   For more information on these settings, see the *Help for TotalAgility Designer*.
8. Click **Save**.
   Your changes are saved.
9. Optionally, **Close** the TotalAgility Designer.

Modify the Transformation Designer recognition engines

If you are processing documents in languages other than English, it is recommended that you update the recognition engines in the Transformation Designer. This ensures that the recognition engines are more efficient for your needs than they are by default.

You can modify the recognition engines by following these steps.

1. Open the Transformation Designer.
2. From the **Project** tab, click **Open Project**.
   The **Open Project** window is displayed.
3. From the **Select category** group, select the **InovoiceProcessingAgility** category.
   The **Select project** area is updated.
4. In the **Select project** area, expand **Shared**, and then double-click on the **InvoiceProcessingAgility** project.
   The project opens.
5. On the **Project** tab, click **Project Settings**.
   The **Project Settings** window is displayed.
6. On the **Project Settings** window, click the **Recognition** tab.
   A list or recognition engines is displayed.
7. Double-click on the default **FineReader** recognition engine.
   This is the third entry in the list.
   The **FineReader Profile Settings** window is displayed.
8. In the **Languages** list, select each language that your process.

   Tip For the best results, ensure that **Digits** and **English** are selected in addition to any other languages selected.

9. Click **OK** to save your changes.
   The **FineReader Profile Settings** window closes.
10. Click **OK** to save changes to the project settings.
    The **Project Settings** window closes.
11. On the **Project** tab, click **Release**.
    The project is released with the updated databases.
12. Close the Transformation Designer.

Prepare ingestion configuration

Before you can configure individual types of ingestion, you first need to create a general import connection for Kofax AP Agility Invoice Processing. Once the import connection is available, you can add filesystem and email ingestion.

Note If you are using Kofax AP Agility in an Azure environment, use the Kofax TotalAgility Integration Server to configure ingestion.

You can add an import connection by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Integration** > **Import settings**.
   The **Import Settings** page is displayed.
3. Click **New**.
   The **New import connection** page is displayed.
4. On the **New import connection** enter a **Name** such as "InvoiceProcessing."
5. Enter a **Description** for your new connection.
6. Configure the **Message Connector URL** settings. This is set to `http://localhost:25086/` by default
   a. From the Windows Start menu, select **Start** > **Kofax** > **Message Connector** > **Message Connector Monitor**.
      The **Message Connector Web Portal** website is displayed.
   b. Copy the **hostname** and **port** for the Message Connector Web Portal and then paste them into the **Message Connector URL** field back on the **Import Connection** page.

   This is set to `http://localhost:25086/` by default. This is the most common configuration.
7. Edit the other settings based on your requirements.
   For more information on these settings, see the *Help for TotalAgility Designer*.
8. Click **Save**.
   Your changes are saved and you are returned to the **Import settings** page where your new import connector is listed.

Configure file system ingestion

You can configure file system ingestion by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Integration** > **Import settings**.
   The **Import Settings** page is displayed.
3. Under **Import Connections**, click the name that you provided when you created the ingestion connection.

   The import connection you created earlier is visible but it has no **Import sources**.
4. Under the **Import sources** section, click #.
   The **New import source** window is displayed.

5. On the **New import source** window, edit the following options to configure your input source.
   a. In the **Type** list, select the import source type as **FILE**.
      The available options are updated so that they match the selected source type.
   b. Enter a **Display name**, such as "IPFileSystemImport."
   c. Select **Normalize images and create pages**.
   d. Optionally, after configuring file import, click **Test file import**.
   e. In the **Associated action(s)** group, ensure that the **Job type** option is set to **Create new job**.
   f. From the **Process** option, click on the list, select the **InvoiceProcessingAgility** category, and then select the **CaptureDocument** process.
      The **Initialization variables** table is populated with fields related to the selected process.
   g. Two fields require mapping only. Select the corresponding values as follows.

Name	Mapping
InputSource	**Input Source Type**
FileName	**File Name**

   Important You can map additional fields, but if you do, this mapping overrides the mapping configured in the **Settings** > **Invoice Processing** > **Global settings** > **Import Settings**.

   h. Edit the other settings as needed.
      For more information on these settings, see the *Help for Kofax TotalAgility*.
   i. Click **Save**.
      Your changes are saved, the **New import source** window is closed, and your new import source is displayed on the **Update import connection** window.
6. Click **Save**.
   Your changes are saved and the **Update import connection** window is closed.
7. Optionally, close the TotalAgility Designer.

Configure scan ingestion

You can configure scan ingestion by following these steps.

1. Open the AP Agility Workspace.
2. From the AP Agility Workspace menu, select **Scan Activity**
   The **Kofax Web Capture Service Required** window is displayed.
3. Install the **Kofax Web Capture Service** by clicking the **click here** link in the window.
   A progress bar is displayed while the installation occurs.
4. Click **OK** to close the **Kofax Web Capture Service Required** window after the installation is complete.
5. Optionally, configure the settings to scan documents in languages other than English.
6. Refresh the **Scan Activity** page.
   This ensures that the newly installed Web Capture Service is accessible to Scan Activity.

Configure language settings

If your invoices are in a language other than English, you can improve the extraction results by selecting the relevant language before scanning your documents. To aid in document recognition, these languages are available for selection at the point of scan.

1. **CN** - Chinese
2. **GR** - Greek
3. **JP** - Japanese
4. **GR** - Korean
5. **RU** - Russian
6. **TH** - Thai

Depending on which of the above language is selected, a dedicated recognition profile is available in Transformation Designer. Each of these languages has its own profile that is configured to extract documents in the relevant language. Using one of these dedicated recognition profiles ensures better extraction results than the default recognition profile. For more information on recognition profiles, refer to the *Help for Transformation Designer*.

You can configure scan language settings by following these steps.

1. Open the AP Agility Workspace.
2. From the AP Agility Workspace menu, select **Scan Activity**
3. On the **Scan Activity** form, select the language from the **Language ID** list.
4. Refer to the Configure scan ingestion to complete the remaining steps of the ingestion process.

Configure email ingestion

If you plan to process invoices received by one or more email addresses, email ingestion is necessary. An email import process is required for each email address that you process. This is configured in the same location as filesystem ingestion. For more information on ingestion and its various settings, refer to the *Help for Kofax TotalAgility*.

You can configure email ingestion by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Integration** > **Import settings**.
   The **Import Settings** page is displayed.
3. Under **Import Connections**, click the name that you provided when you created the ingestion connection.

   The import connection you created earlier is visible but it has no **Import sources**.
4. In the **Input sources** window, click #.
   The **New import source** window is displayed.

5. On the **New import source** window, edit the following options to configure your input source.
   a. In the **Type** list, select the import source type as **POP3**.
      The available options are updated so that they match the selected source type.
   b. Enter a **Display Name**, such as "IPEmailImport."
   c. Select **Normalize images and create pages**.
   d. Enter your email service provider into the **Host** field.
   e. Enter a **Username** and **Password**.
   f. Test your settings by clicking **Test Mailbox**.
   g. In the **Associated action(s)** group, ensure that the **Job type** option is set to **Create new job**.
   h. From the **Process** option, click on the list, select the **InvoiceProcessingAgility** category, and then select the **CaptureDocument** process.
      The **Initialization variables** table is populated with fields related to the selected process.
   i. Two fields require mapping only. Select the corresponding values as follows.

Name	Mapping
InputSource	**Input Source Type**
ClientID	You can either hard code a Client ID or you can select one of the metadata variables. If you do map a variable, you need to modify the `CaptureDocument` process so that it can use the Metadata value and process it accordingly.

   Important You can map additional fields, but if you do, this mapping overrides the mapping configured in the **Settings** > **Invoice Processing** > **Global settings** > **Import Settings**.

   j. Edit the other settings as needed.
      For more information on these settings, see the *Help for Kofax TotalAgility*.
   k. Click **Save**.
      Your changes are saved, the **New import source** window is closed, and your new import source is displayed on the **Update import connection** window.
6. Click **Save**.
   Your changes are saved and the **Update import connection** window is closed.
7. Optionally, close the TotalAgility Designer.
8. On your mail server, do the following.
   a. In the email account specified above, enable POP download in the account settings.
   b. Configure the settings to allow Kofax AP Agility to access your email account.

   Your settings are now configured to use email ingestion.

Image rendition

Rendition is used in Invoice Processing stage of Kofax AP Agility to keep a copy of the originally ingested document when `ImageProcessing` activities are performed. For example, copies are kept for a PDF, a 200 DPI image, or a color TIFF image.

The `ImageProcessing` activities in the main process convert all documents to 300 DPI black and white TIFF images.

The original document is stored in rendition.

Add image rendition

You need to add image rendition to the system and provide "Original" as its name.

You can add image rendition by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **System** > **System settings**.
   A list of system settings is displayed.
3. In the **Capture** group, click **Page renditions**.
   The **Page renditions** window is displayed.
4. If no rendition is available, define one and click **Save**.
   The **Page renditions** window is closed and you are returned ot the list of System settings.

User Exit assemblies

Before you can use the various User Exits available for Invoice Processing in Kofax AP Agility, you must first implement their assemblies and then install them.

For more information on the User Exits and how to use them for Invoice Processing, see the *Help for Kofax AP Agility Settings*

Implement User Exit assemblies

In order to make use of the available user exits, you must first implement the user exit assemblies by following these steps.

1. Create a new project for a .NET class library.
2. Include references to the following assemblies.
   - `ICAL.ComponentAccess`
   - `ICAL.Framework`
   - `ICAL.Invoices`

Note These assemblies are located in the Assemblies directory of your Kofax AP Agility installation files.

3. If you are using SAP, add references to the following assemblies.
   - `ICAL.Framework.SAP`
   - `ICAL.Invoices.SAP`
4. If you are using an Oracle database, add references to the following assemblies.
   - `ICAL.Framework.Oracle`
5. Sign your new assembly.
   This is necessary for installation to the global assembly cache.
6. Create a class that implements `ICAL.Invoices.Custom.ICustomInitializer`.
7. Implement the `Initialize(ProjectContext)` method.
8. Within the `Initialize(ProjectContext)` method, register your user exits in the `UserExitsRegistry` that is available as the `ProjectContext` property.
   You can implement and register as many user exits as are required.
9. Compile your assembly and give it a meaningful name such as `UserExitAssembly.dll`.
   A DLL file is generated with the provided name.
10. Install it to the global assembly cache.

Example: Modify Vendor Addresses

You want to modify vendor addresses after that are loaded from the vendor pool or database. To do this, implement and register the `ReadVendorAddress` delegate and then:

```
using ICAL.ComponentAccess;
using ICAL.Invoices;
using ICAL.Invoices.Data;
using ICAL.Invoices.Custom;

namespace UserExits
{
    public class MyUserExits : ICustomInitializer
    {
        public void ReadVendorAddress(IField field,
          string vendorId, IVendorAddress vendorAddress)
        {
            // your code here
        }

        public void Initialize(ProjectContext ctx)
        {
            ctx.UserExits.ReadVendorAddress = ReadVendorAddress;
        }
    }
}
```

Install the User Exit assembly to GAC

After compiling your assembly, it needs installed to the global assembly cache (GAC) before it is usable. Even though you can use a tool like gacutil to install the DLL file, it is recommended that you use the provided `Install2GAC.exe` tool to install your assembly to the GAC.

You can install your assembly DLL to the GAC by following these steps.

1. Copy the **UserExit** folder that is included with your installation files to the machine where you are installing the assemblies.

   This folder contains the `Install2GAC.exe` tool.
2. Copy your recently implemented User Exit Assembly dll file to the **UserExit** folder that you copied in the previous step.
3. Open a command line with administrative privileges and enter the following.

   `Install2GAC.exe <YourUserExitAssembly>.dll`

   Press **Enter**.

   Your user exit assembly is installed to the GAC.
4. Optionally, if your assembly has any dependencies to additional third-party assemblies, install those assemblies to the GAC as well.
5. Edit the server variables in TotalAgility Designer

   Depending on whether you register an assembly for the 32-bit extraction phase, or the 64-bit validation, line pairing, and export phase, you need to set **one** of the following combinations in the `InvoiceProcessingAgility` category.

   - `IPAUserExitExtractionAssembly` and `IPAUserExitExtractionClass`
   - `IPAUserExitValidationAssembly` and `IPAUserExitValidationClass`

   The `IPAUserExitExtractionAssembly` and `IPAUserExitValidationAssembly` must contain the strong name of your assembly. For example, `IPAUserExitDemo, Version=1.0.0.0, Culture=neutral, PublicKeyToken=6a3a0087b9ef9c25, processorArchitecture=MSIL`.

   The `IPAUserExitExtractionClass` and `IPAUserExitValidationClass` must contain the name of the class that implements the `ICustomeInitializer` interface.

PIX installation

PIX is a Windows application that processes structured XML invoice formats and then converts them to PDF format. This generated PDF is a rendition of the electronic content for visualization purposes. This electronic data is automatically copied to the respective invoice fields for Invoice Processing.

PIX generates the field content and a PDF based on out-of-the-box mappings for the following electronic standards.

- OIOUBL Invoice
- OIOUBL Credit Note
- OIOXML
- General XML
- E2B
- ZUGFeRD
- ebInterface
- Facturae
- ESXML
- Finvoice
- Svefaktura

Important You should install and configure PIX if you need to process the above types of XML documents only.

PIX also comes with a thin-client mapping correction utility that allows users to improve and advance the default XML-to-Field mappings. For more information, see the *PIX Correction Activity Help*.

PIX is comprised of two components, a server and a client. It is common for the PIX server and the PIX client to be installed together on the same server. For the best results, install these together, but on a separate machine from Kofax AP Agility and Kofax TotalAgility.

If necessary, the PIX server and the PIX client can be installed on separate servers.

Note PIX supports Western character sets only. This means that it does not support CJKT characters or extended characters required for languages such as Russian or Greek.

PIX prerequisites

Before you can install PIX, the following prerequisites are required.

- Microsoft SQL Server
- Internet Information Service (IIS) with ASP.NET 3.5, ASP.NET 4.5, and WebSockets

Install PIX client and server on the same server

In most situations, it is recommended that you install the PIX server and the PIX client on the same server, but a different server to Kofax TotalAgility. If you anticipate processing documents through PIX on a regular basis, consider installing PIX on a separate server. This ensures that PIX does not compete with Kofax TotalAgility or Kofax AP Agility for resources. Also, Kofax TotalAgility and Kofax AP Agility both must be installed before you can install PIX.

You can install the PIX client and server on the same server by following these steps.

1. Navigate to your extracted files and open the **PIX_Installer** folder.
   The contents of the **PIX_Installer** folder are displayed.
2. Double-click on the **PixSetup.exe** file.
   The Kofax PIX installation window is displayed.
3. On the Kofax PIX Installer, select **I agree to the license terms and conditions**.
   Leave both **Install PIX Server** and **Install PIX Client** selected.
4. Click **Install**.
   The PIX installation starts and the **PIX Server Setup Wizard** is displayed.
5. Click **Next** twice, and stop when you get to the **Database settings** step.
6. If your user account does not have the necessary permission to create a database, clear the **Create database** option.
   A database administrator can create the PIX server database manually after the PIX server installation finishes.
   If you do have permission to create a database, select **Create database** and then provide the **Database server name** and the **Instance** name if needed.
7. Click **Next**.
   The **Web site** step is displayed.

8. For the best results, modify only the **Log Folder**, if necessary. Leave the other settings as default.
   Make a note of the **Port** number. This is needed when configuring Kofax AP Agility later.
9. If you do not have access to a user account that has permission to create a website, clear the **Create website** option.
   An administrator can manually create the PIX server website manually after the PIX server installation finishes.
   If you do have access to a user account that has permission to create a website, select **Create website**.
10. Click **Next**.
    The **Kofax TotalAgility Connection** screen is displayed.
11. On the **Kofax TotalAgility Connection** screen, enter the **TotalAgility URI**.
    For example, `http://<servername>/TotalAgility/`
12. Click **Next**.
    If you are creating a website, the **User credentials** screen is displayed. If you chose not to create a website, click **Next** and then skip to step 15.
13. If you are creating a website, modify the **Domain name**, **User name**, and associated **Password**.
14. Click **Next.**
    This user must have permissions to create a database and a web site in IIS.
    The **Install** screen is displayed.
15. Click **Install**.
    PIX server is installed.
16. Click **Finish**.
    The **PIX Client Setup Wizard** is displayed.
17. Click **Next**.
    The **Destination Folder** page is displayed.
18. Optionally, click **Change** to modify where the PIX client is installed.
19. Click **Next**.
    The **PIX Client settings** page is displayed.
20. Take note of the **PIX server URI** as this is needed later and ensure that the **Create website** option is selected.
21. Click **Next** and then **Install**.
    The PIX Client is installed.
22. When the installation completes, click **Finish**.
    A message that confirms a successful installation is displayed.
23. Click **Close**.
24. Configure the PIX Web.config file.

Install PIX server only

It is common to install both the PIX server and the PIX client on the same server. However, in certain situation, you may not want the PIX client and PIX server installed on the same server. Even though the PIX server and the PIX client use the same installer, it is possible to install them on separate machines.

You can install the PIX server only by following these steps.

1. Decide where to install PIX server.

   Note If you are installing PIX on a separate server than Kofax AP Agility, copy over the `PIX_Install/PixSetup.exe` file from your extracted files.

2. Double-click on the **PixSetup.exe**.
   The Kofax PIX installation window opens.
3. On the Kofax PIX Installer, select **I agree to the license terms and conditions**.
4. Clear **Install PIX Client**.
   This installs the PIX server only.
5. Click **Install**.
   The PIX installation starts and the **PIX Server Setup Wizard** is displayed.
6. Click **Next** twice, and stop when you get to the **Database settings** step.
7. If your user account does not have the necessary permission to create a database, clear the **Create database** option.

   A database administrator can create the PIX server database manually after the PIX server installation finishes.

   If you do have permission to create a database, select **Create database** and then provide the **Database server name** and the **Instance** name if needed.
8. Click **Next**.
   The **Web site** step is displayed.
9. For the best results, modify only the **Log Folder**, if necessary. Leave the other settings as default.

   Make a note of the **Port** number. This is needed when configuring Kofax AP Agility later.
10. If you do not have access to a user account that has permission to create a website, clear the **Create website** option.

    An administrator can manually create the PIX server website manually after the PIX server installation finishes.

    If you do have access to a user account that has permission to create a website, select **Create website**.
11. Click **Next**.
    The **Kofax TotalAgility Connection** screen is displayed.
12. On the **Kofax TotalAgility Connection** screen, enter the **TotalAgility URI**.

    For example, `http://<servername>/TotalAgility/`
13. Click **Next**.
    If you are creating a website, the **User credentials** screen is displayed. If you chose not to create a website, click **Next** and then skip to step 16.
14. If you are creating a website, modify the **Domain name**, **User name**, and associated **Password**.
15. Click **Next.**

    This user must have permissions to create a database and a web site in IIS.

    The **Install** screen is displayed.
16. Click **Install**.
    PIX server is installed.
17. When the installation completes, click **Finish**.
    A message that confirms a successful installation is displayed.

18. Click **Close**.

Install PIX client only

Although it is not common, it is possible to install the PIX client on a different server than the PIX server.

You can install the PIX client on a separate server by following these steps.

1. Decide where to install the PIX client.

   Note If you are installing PIX on a separate server than Kofax AP Agility, copy over the `PIX_Install/PixSetup.exe` file from your extracted files.

2. Double-click on the **PixSetup.exe**.
   The Kofax PIX installation window opens.
3. On the Kofax PIX Installer, select **I agree to the license terms and conditions**.
4. Clear **Install PIX Server**.
   This installs the PIX client only.
5. Click **Next**.
   The **Destination Folder** step is displayed.
6. Optionally, click **Change** to modify the installation path
7. Click **Next**.
8. Enter a value in the **PIX server URI** field.

   This refers to the server name and port number recorded during the PIX server installation.

   For example, `http://<servername>:<port>`.
9. If you do not have access to a user account that has permission to create a website, clear the **Create website** option.

   An Administrator can manually create the PIX Client website manually after the PIX Client installation finishes.

   If you do have access to a user account that has permission to create a website, select **Create website**.
10. Click **Next**.
11. Click **Install**.
    The PIX client is installed.
12. When the installation completes, click **Finish**.
    A message that confirms a successful installation is displayed.
13. Click **Close**.

Configure PIX web.config

Regardless of where the PIX server is installed, it is necessary to configure the PIX server web.config file after installation. This is true if you installed both PIX server and PIX client on the same server, or if you installed PIX server on a different server to the PIX client.

If you do not update the configuration file, it is likely that documents will fail PIX processing and that users cannot access PIX Correction Activity.

You can update the PIX Web.config file by following these steps.

1. Navigate to `<Program Files>\Kofax\PIX\PIXServer` or wherever you installed PIX.
2. Edit the Web.config file.
3. Search for the **`<add key "hostname"`** value and edit it so that the hostname uses the fully-qualified domain server name of where PIX is installed.
4. Save the Web.config file.
5. Restart the **World Wide Web Publishing Service** for your change to take effect.

Create PIX server database manually

When PIX server is installed, that user may not have the necessary permissions to create the PIX server database. It is common for a company to restrict database creation to dedicated database administrators, so they must create the database by following these steps.

1. Open Microsoft SQL Server Management Studio.
2. Create a new database.

   Name the database "SmartXML."

   It is recommended that you use this name, but if you want to use another, the connection string in the Web.config file needs updated to use this new name.
3. In Windows Explorer, navigate to where you installed PIX server.

   By default, this path is `<Program Files>\Kofax\PIX\PIXServer`.
4. In Microsoft SQL Server Management Server, execute the **CreateTables.sql** script located in the **DbScripts** folder.
   The script is executed and the necessary database tables are created.

Create PIX server website manually

If the user that installed PIX server does not have the necessary permissions to install the PIX server Website, an administrator can do so by following these steps.

1. Launch IIS.
2. In the **Connections** pane, expand `http://localhost` represented by your computer name.
   A list of Application Pools and Sites is displayed.
3. Select and then right-click on **Application Pools**. Select **Add Application Pool**.
   The **Add Application Pool** window is displayed.
4. In the **Add Application Pool** window, enter a name for your application pool such as "PIXAppPool."
   a. From the **.NET Framework version** list, select **.NET Framework v4.0.XXXXX**.
   b. From the **Managed pipeline mode** list, select **Integrated**.
   c. Select the **Start application pool immediately**.
   d. Click **OK**.

   The new application pool is created is added to the list.
5. Right-click on **Sites** and select **Add Web Site**.
   The Add Web Site window is displayed.
6. In the **Site name** field, enter "PixServer".
7. Select the newly added **PIXAppPool** from the **Application Pool**.

8. Browse to find the physical path of the **Physical path**.
   By default, this is `<Program Files>\Kofax\Pix\PixServer`.
9. In the **Binding** group, set the **Port** to "53060."
   This is the port number specified during installation.
10. Configure all other settings as appropriate for your needs and then click **OK**.
    The new site is added to the list of sites.

Create PIX client website manually

If the user that installed PIX Client does not have the necessary permissions to install the PIX Client Website, an Administrator can do so by following these steps.

1. Launch IIS.
2. In the **Connections** pane, expand `http://localhost` represented by your computer name.
   A list of Application Pools and Sites is displayed.
3. Expand **Site**.
   A list of applications is displayed.
4. Right click on the **Default Web Site** and select **Add Application**.
   The Add Application window is displayed.
5. In the **Alias** field, enter "Pix."
6. Select the "PixAppPool" from the **Application Pool**.
7. Browse and select `<Program Files>\Kofax\Pix\PixClient\src` for the **Physical path**.
8. Configure all other settings as appropriate for your needs and then click **OK**.
   The new application is added to the Default Web Site list.

Configure Kofax AP Agility to use PIX

Now that you have installed PIX you need to tell Kofax AP Agility where it is installed and how to access it.

You can configure Kofax AP Agility to use PIX by following these steps.

1. Log on to the Kofax AP Agility Workspace.
   The Kofax TotalAgility Workspace for Kofax AP Agility is loaded.
2. Click **Settings** > **Administration**.
   The **Administration** page is loaded.
3. In the PIX section, enter the **Web client URI**.
   For example, `http://localhost/PIX`.
4. Enter the **Web server URI**.
   This is the path recorded when you installed the **PIX Client**.
   For example, `http://localhost:53060`.
5. Click **Save PIX Settings**.
   The PIX settings are saved and you can now use PIX during Invoice Processing.

Configure XML handling to use PIX

When you first install Kofax AP Agility and then PIX, XML handling is done by Kofax TotalAgility. If you want to use PIX to process and correct documents, a change to the existing configuration is necessary. XML handling is configured in the Kofax Message Connector.

You can configure XML handling to use PIX by following these steps.

1. Click **Start** > **Kofax** > **Message Connector** > **Message Connector Configuration**.
   The **Message Connector Configuration** window is displayed.
2. Expand the **Structured (XML) Input Handling** section.
   A list of XML options is displayed.
3. In the **Types** field, replace the existing content with **.none.**
4. Scroll to the top and click **Save**.
   A message confirming that your changes have saved is displayed.
5. Click **Exit and restart service**.
   The service is restarted and the Message Connector window is closed.

Restart the services

You need to restart the following services to complete the Kofax AP Agility installation.

- Kofax TotalAgility Core Worker
- Kofax Transformation Server
- World Wide Web Publishing Service

Configure the AP Agility Workflow

After installing Kofax AP Agility, it is necessary to configure the AP Agility Workflow administrative resource. Otherwise, it is not possible to administer the AP Agility Workflow aspects of Kofax AP Agility.

Configure AP Agility Workflow Administrator access

Before you can start configuring the AP Agility Workflow functionality for Kofax AP Agility it is necessary to configure AP Agility Workflow Administrator access in the TotalAgility Designer.

You can configure the AP Agility Workflow Administrator resource access by following these steps.

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Resources** > **Groups**.
   The **Resources and groups** page is displayed for the Default Category.
3. From the **Category** list, select the **AP Agility** category from the menu.
   A list of groups related to AP Agility is displayed.
4. Click **APA Administrators**.
   The **Edit resource group** window is displayed for the selected resource group.

5. To add group members click **Add** next to the **Group members** field.
   The **Add group members** window is displayed.
6. In the list of users in the **Individual** tab, click **Administrator** to add this to your group.
   The selected user is added to the list below.
7. Click **Done**.
   The **Add group members** window is closed and the **Administrator** user is added to the **APA Administrators** resource group.
8. In the **Edit group resource** window, click **Save**.
   The **Edit group resource** is closed and your changes are saved.
9. Optionally, if you have not already done so, and are also using the Invoice Processing functionality, configure the Invoice Processing Administrator access.

Configure AP_Approvers Permissions

In order for a Approval Activity user to have access to the User Settings menu where they configure approval email notifications, they must be a member of the `AP_Approvers` resource group or one of its subgroups in Kofax TotalAgility.

You can add a user to

1. Launch the TotalAgility Designer
2. On the navigation pane, click **Resources** > **Groups**.
   The **Resources and groups** page is displayed for the Default Category.
3. From the **Category** list, select the **AP Agility** category from the menu.
   A list of groups related to AP Agility is displayed.
4. Click **AP_Approvers** or one of its subgroups, depending on need.
   The **Edit resource group** window is displayed for the selected resource group.
5. To add group members click **Add** next to the **Group members** field.
   The **Add group members** window is displayed.
6. In the list of users on the **Individual** tab, click a user to add it to the selected resource group.
   Alternatively, select the **Group** tab and click a group to add it to the selected resource group.
   The selected user or group is added to the list below.
7. Click **Done**.
   The **Add group members** window is closed and the **Administrator** user is added to the **APA Administrators** resource group.
8. In the **Edit group resource** window, click **Save**.
   The **Edit group resource** is closed and your changes are saved.
9. Optionally, repeat the above steps for other subgroups.
10. Optionally, close the TotalAgility Designer.

AP Agility workspace

After successfully installing Kofax AP Agility, the Kofax AP Agility workspace is available to the AP Agility user. The Kofax AP Agility workspace includes the Kofax AP Agility site and workqueue.

Kofax AP Agility site

The SPA package creates the Kofax TotalAgility site called AP Agility with the following settings.

Site Parameter	Parameter Value	Comment
Category	Kofax AP Agility	Installed with the Kofax AP Agility package
Name	Kofax AP Agility	The site name in Kofax AP Agility URL
Header Form	Workspace_Header_2	Installed with the Kofax AP Agility package
Horizontal Navigation	Kofax AP Agility Menu	Installed with the Kofax AP Agility package
Vertical Navigation	N/A	N/A
Default Form	TotalAgility Work Queue	Standard Kofax TotalAgility form
Theme	TotalAgility Workspace	Standard Kofax TotalAgility theme

For an on-premise installation, Kofax TotalAgility is set up to use Integrated Windows Authentication to authenticate users. You can also configure Kofax AP Agility to use Windows Authentication.

The Kofax AP Agility site URL address must be in the following format, depending on the installation:

- On-premise: `http(s)://<kta_server>/TotalAgility/forms/APAgility`
- Azure: `https://<kta_server>/forms/APAgility`

In both cases, `<kta_server>` is the Kofax TotalAgility server host name.

Work Queue form

Kofax AP Agility uses the standard Work Queue form to access invoices.

Chapter 4

Change your Kofax AP Agility installation

It is possible to remove or change the features that are installed on your server. This is possible using the same installer that you used to install Kofax AP Agility in the first place. In fact, if you run the installer on a server where any component of Kofax AP Agility is installed already, the installer only lets you Change, Repair, or Remove Kofax AP Agility.

You can also use the Change option to update any configuration settings as necessary. For example, the Web Server where the ERP Connector Web Service is installed is replaced with a newer server. As a result, it is necessary to install and configure the ERP Connector Web Service again.

You can change your Kofax AP Agility installation by following these steps.

1. Open the Windows Programs and Features application.
   A list of installed programs is displayed.
2. Select Kofax AP Agility 2.3.0 from the list.
   The list of available buttons is listed at the top of the program list for the selected program.
3. Click **Change** on the Programs and Features page.
   The installer welcome page is displayed.
4. Click **Next**.
   The **Change or Repair Installation** window is displayed.
5. Click **Change**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
6. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

   If you did not install the necessary prerequisites, the corresponding options are not available for installation.

   The **Custom Setup** step is displayed indicating the features that are already installed.

7. To remove an already installed feature, chance it so that the **Entire feature will be unavailable**. To install a feature that was previously not included, or to make changes to an already installed feature, select **Will be installed on local drive**.

   Once you select the necessary components, click **Next**.

   Use the links below to change or install each of the following features as appropriate for your installation.

   - AP Agility assemblies
   - AP Agility database connection
   - Kofax TotalAgility Integration/package
   - ERP Connector Web Service

   Once you have made the necessary changes, click **Change**.

   A progress indicator shows the progress of the Kofax AP Agility installation.
8. Click **Finish**.

   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.

   The installer closes and if selected, the log file opens.

Remove a feature

If you no longer need a Kofax AP Agility feature, you can remove that individual feature rather than the entire product.

For example, you have the ERP Connector Web Service installed on your computer but you have a new dedicated Web Server. You can use the installer to remove the ERP Connector Web Service so that you do not have to do this manually. You can then run the installer another time, in custom mode to install the ERP Connector Web Service on the new server.

You can remove a Kofax AP Agility feature by following these steps.

1. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.
2. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
3. Click **Next**.
   The **Change or Repair Installation** window is displayed.
4. Click **Change**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
5. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click

Cancel and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

If you did not install the necessary prerequisites, the corresponding options are not available for installation.

The **Custom Setup** step is displayed indicating the features that are already installed.

6. For the feature or features that you are removing, select **Entire feature will be unavailable** and then click **Next**.
   The **Ready to Change Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
7. Click **Change**.
   A progress indicator shows the progress of the Kofax AP Agility installation.
8. Click **Finish**.

   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.

   The installer closes and if selected, the log file opens.

Add a feature

Because environments change regularly, it is possible to add a Kofax AP Agility feature at a later time, if necessary.

For example, if you use SAP and the prerequisites were not installed when you first installed Kofax AP Agility, you can go back at a later time and install this feature once the necessary prerequisites are installed.

You can add a feature to Kofax AP Agility by following these steps.

1. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.
2. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
3. Click **Next**.
   The **Change or Repair Installation** window is displayed.
4. Click **Change**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
5. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.

   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.

   If you did not install the necessary prerequisites, the corresponding options are not available for installation.

   The **Custom Setup** step is displayed indicating the features that are already installed.

6. For any feature that you want to install that is not already installed, select **Will be installed on local hard drive** and then click **Next**.
   The **Ready to Change Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
7. Click **Change**.
   A progress indicator shows the progress of the Kofax AP Agility installation.
8. Click **Finish**.

   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.

   The installer closes and if selected, the log file opens.

Chapter 5

Repair Kofax AP Agility

If your Kofax AP Agility installation fails because some files are corrupted or missing, you can run the repair option from the installer.

This repair option reinstalls some of the features that you originally installed, such as assembles and the ERP Connector Web Service.

The repair however, does not recreate the Kofax AP Agility database or the Kofax TotalAgility package. This ensures that you do not lose any of your configurations made up to this point.

In most cases the repair occurs automatically. All features are updated and repaired without user interaction.

However, if you have the ERP Connector Web Service installed, and depending on how you installed this in the first place, some manual user interaction may be required. If you selected Custom Account for the Pool Identity when setting up the ERP Connector Web Service, you are asked to provide these user credentials for the specified user account before you can repair your Kofax AP Agility installation.

You can repair your Kofax AP Agility installation by following these steps.

1. Open the Windows Programs and Features application.
   A list of installed programs is displayed.
2. Select Kofax AP Agility 2.3.0 from the list.
   The list of available buttons is listed at the top of the program list for the selected program.
3. Click **Repair** on the Programs and Features page.
   The installer welcome page is displayed.
4. Click **Next**.
   The **Change or Repair Installation** window is displayed.
5. Click **Repair**.
   Depending on how the ERP Connector Web Service is configured, an additional step may be displayed before you can finalize the repair of your installation.
   a. Optionally, if the ERP Connector Web Service users a **Custom Account** for the Pool Identity, enter the Custom Account details and then click **Next**.

   The **Ready to Repair Kofax AP Agility 2.3.0** Setup Wizard step is displayed.
6. Click **Repair**.
   A progress indicator shows the progress of the Kofax AP Agility installation.
7. Click **Finish**.
   Optionally, select the **View Installation Log** option. This opens the log file once the installer is closed.
   The installer closes and if selected, the log file opens.

Chapter 6

Upgrade considerations

You can upgrade from an older version of Kofax AP Agility and Kofax Invoice Processing Agility to the next released version of Kofax AP Agility, while maintaining the any customizations made. The Kofax AP Agility and Kofax Invoice Processing Agility are implemented as sub-processes. These are automatically upgraded to the new Kofax AP Agility package that is installed.

Note Kofax recommends that you process all outstanding jobs for both the Invoice Processing and the AP Agility Workflow functionality of Kofax AP Agility.

If this is not possible for any reason, you can upgrade unprocessed invoices that are already in-progress.

You must not modify any processes, business rules, or forms, with the exception of the following artifacts.

- **Classification Group**
  - `InvoiceProcessingAgility`
- **Document Group**
  - `InvoiceProcessingAgility`
- **Forms**
  - `CaptureDocument_Scan`
  - `GeneralWorkQueue`
  - `Invoices_Validation`
  - `RescanRejectedDocs_Re Scan_Scan`
  - `XMLDisplay`
  - `IPA_SessionTimeout`
- **Processes**
  - `CaptureDocument`
  - `ParkNAIDocuments`
  - `PostLinePairing`

In most cases, changes to the project in Transformation Designer are required. This is because your organization may have specific requirements that are not available in the out-of-the-box solution.

The following guidelines should be met when customizing your project. These guidelines ensure that any customizations are still available in future versions of Kofax AP Agility.

Tip Keep notes about all changes made to a project. This is so that you can manually redo them if necessary, or to confirm if a future upgrade and merge are successful.

It is important that you do not delete, move, or rename the following.

- Classes.
- Field Groups.
- Fields.
- Locators.

  If you delete one of these items and then add it back, the internal ID is no longer the same, so the item does not behave as it should.
- All new Classes, Field Groups, Fields, or Locators should have a name that will not conflict with future releases of the solution. For example, add the "Custom_" prefix to all new items.
- Do not remove any Databases, Dictionaries, Recognition Profiles, Table Models, or other dependent settings.
- You can modify Recognition Profiles by adding an additional language.
- Add script below the marking line that says `'Modify script only below this line`. Any modifications above this line can cause problems with the package and are not included in a future merge.
- In script, refer to lookup fields and other items by their name and not by their index IDs. This is because the indexes can change and the names are not likely to change.

Note Document sets and training sets are included in the merge process. This means that if you have documents in either the classification training set or the extraction straining set, make a copy of them outside of the training folder to ensure that they are not lost during the merge. You can copy them back after the merge.

Customized Workflow processes

Any customized processes are not overwritten during an upgrade. However, variable values are overwritten with the default value of False. This means that if you are using any customized Workflow processes, it is necessary to go to **Kofax AP Agility** > **Settings** > **Administration** > **Variables** and update the values of the processes that you are using back to True, after an upgrade.

Upgrade Kofax AP Agility

If you have an older version of Kofax AP Agility and Kofax Invoice Processing Agility installed already, it is possible to upgrade these to the next released version of Kofax AP Agility by running the Kofax AP Agility 2.3.0 installer.

Important Ensure that Kofax TotalAgility is upgraded to the minimum version referenced in the Kofax AP Agility Technical Specifications.

You can upgrade Kofax Invoice Processing Agility by following these steps.

1. Make a backup copy of your database before performing the upgrade.
2. Navigate to your extracted files and open the **Installer** folder.
   The contents of the **Installer** folder are displayed.

3. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer detects that there is an earlier version of Kofax AP Agility installed.
4. Right-click on the **Kofax AP Agility** installer and select **Run as Administrator** to begin the Setup Wizard.
   The installer opens and calculates if there is enough space on disk for the installation.
5. Click **Next** to upgrade Kofax AP Agility.
   The installer opens and enables you to repair or change your Kofax AP Agility installation.
6. Select **I accept the terms in the License Agreement** and then click **Next**.
   The **Prerequisites** Setup Wizard step is displayed along with any information about missing prerequisites.
7. The information displayed on the **Prerequisites** step is relevant if you are installing the listed components only.
   For example, if you receive a message that the SAP .NET connector is missing, but you are not using SAP, ignore this message. However, if you are using one of the components listed, click **Cancel** and then **Finish** to exit the Setup Wizard, install the required prerequisite, and then restart the installer. Otherwise, click **Next**.
   If you did not install the necessary prerequisites, the corresponding options are not available for installation.
   The **Choose Setup Type** Setup Wizard step is displayed.
8. Select one of the following installation methods.
   - Click **Full** to upgrade all Kofax AP Agility features and install any features that are not already installed.
     Follow the Full installation steps to upgrade Kofax AP Agility using the **Full** method.
   - Click **Custom** to upgrade selected Kofax AP Agility features. All previously installed features are selected by default. You can choose additional features to install as necessary.
     Follow the Custom installation steps to upgrade Kofax AP Agility using the **Custom** method.
9. To ensure that new jobs in the upgraded version of Kofax AP Agility work as expected, manually refresh your address files before processing any invoices.

   Important If you do not refresh you address files, all jobs are suspended and cannot be processed. Refresh your address files and then restart any suspended jobs. These jobs are then processed as normal.

How to deal with unprocessed invoices

If you have unprocessed invoices in one of the AP Workflow activities, it is ideal to finish processing those invoices before upgrading Kofax AP Agility. However, this is not always possible. As a result, after you upgrade to the new Kofax AP Agility version, you can update any active jobs by following these steps.

1. Log on to Kofax TotalAgility as an Administrator and then navigate to the **General Work Queue**.
2. From the menu, select **Administration** > **Job Upgrader**
   The **Job Upgrader** page is displayed.

3. From the **Category** list, select **AP Agility.**
   The process list is updated for processes specific to Kofax AP Agility.
4. From the **Process** list, select **Main AP Workflow**.
5. Click **Start**.
   The upgrade job is scheduled.
6. From the menu, select **Jobs** > **Find**.
   A list of jobs on the system is displayed.
7. Ensure that the version listed for the activities is the maximum version for Kofax AP Agility.
8. From the menu, select **Jobs** > **Create**.
   The **Create Jobs** page is displayed.
9. From the **Category** list, select **AP Agility.**
   The process list is updated for processes specific to Kofax AP Agility.
10. From the **Process** list, select **AP Restart Job** and then click **Create**.
    The **AP Restart Job** process is run and all processes are upgraded to the new Kofax AP Agility version.

Chapter 7

Remove Kofax AP Agility

If you no longer want Kofax AP Agility on your server, you can remove several components from your server using the installer via Windows Programs and Features.

Specifically, the following components are removed.

- The Kofax AP Agility assemblies
- Agnostic ERP Web Service

There are some Kofax AP Agility components that are not removed using the installer. These include.

- The Kofax AP Agility database
- The Kofax TotalAgility package

You can remove the database manually by using the SQL Server Management Studio. However, Kofax recommends that you do not remove the Kofax TotalAgility package. Leaving the package installed does not affect Kofax TotalAgility performance.

Important Although it is also possible to remove Kofax AP Agility using Windows Programs and Features, Kofax recommends that you use the Kofax AP Agility installer instead.

You can remove several Kofax AP Agility components by following these steps.

1. Open Windows Programs and Features.
   A list of installed programs is displayed.
2. Select Kofax AP Agility 2.3.0 from the list.
   The list of available buttons changes at the top of the program list.
3. Click **Uninstall**.
   A message is displayed for you to confirm the removal of Kofax AP Agility 2.3.0.
4. Click **Yes**.
   Kofax AP Agility 2.3.0 is uninstalled and removed from the list of installed programs.

Chapter 8

Access Kofax AP Agility documentation

By default, the Kofax AP Agility documentation is available online. However, if necessary, you can also configure Kofax AP Agility to use help offline.

Default online documentation

The product documentation for Kofax AP Agility 2.3.0 is available at the following location.

https://docshield.kofax.com/Portal/Products/APAgility/2.3.0-2jf4h43rcd/APAgility.htm

To launch the online help for the Kofax AP Agility site, select the required help from the **Help** menu or click on the **Help** button within the AP Agility Workflow.

Configure offline documentation

To access the documentation offline, download KofaxAPAgilityDocumentation-2.3.0_EN.zip from the Kofax Fulfillment Site and extract it on a local drive available to your users.

This compressed file includes both `help` and `print` folders. The print folder contains all guides, such as the *Kofax AP Agility Installation Guide* and the *Analytics for Kofax AP Agility Administrator's Guide*.

The compressed file for all other languages contains the `help` folder only. For more information on other languages, refer to the Localized offline help

You can configure Kofax AP Agility to use offline help by following these steps.

1. Extract the contents of the compressed documentation file, KofaxAPAgilityDocumentation-2.3.0_EN.zip.
2. Navigate to where Kofax TotalAgility is installed.
   By default, this is `<Program Files>\Kofax\TotalAgility`.
3. In the `Agility.Server.Web\Help\` folder, create a folder called **en_US**.
   If you are using other languages, refer to the
4. Copy the help from the extracted EN zip file into the `en_US` folder.

   Note This location is suggested because it is available and already used for Kofax TotalAgility offline documentation. However, for Kofax AP Agility, it is possible to use any path for the help, as long as it is on a web server available through http. Modify the paths below accordingly.

5. To configure the user help, open Kofax AP Agility with Administrative permissions.

6. From the menu, select **Settings** > **Administration**.
   The **Administration** page is displayed.
7. Locate the **Help Base URL** and make a note of its contents so that you can revert back to the online help at any point in the future.
8. In the **Help Base URL** field, enter the following URL.
   `http://<Server>/TotalAgility/Help/.`
   Where <Server> is host name or IP address of the Kofax TotalAgility server.
9. Click **Save Help Settings**.
   A message is displayed to indicate that your changes are saved successfully.
10. To test your changes, select any of **Help** menu options.
    The help opens from the file-based location. If you selected to open the Configuration help, the path should be similar to the following path.
    `http://<localhost>/TotalAgility/Help/en_US/CFG/APAgility_Configuration_help/c_welcome.html.`
    If the help is not displayed, review your changes and try again.

Localized offline help

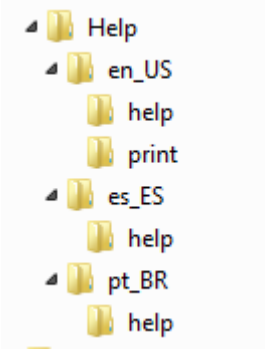
Localized help is available in German, Spanish, Brazilian Portuguese, and French for the following activities. The language is indicated in the documentation zip file.

The following four activities are included in the localized help.

1. The Invoice Processing Scan Activity
2. The Invoice Processing Validation Activity
3. The Invoice Processing Line Pairing Correction Activity
4. The AP Agility help, that consists of the following activities in a single help system.
   - The AP Agility Workflow Coding Activity.
   - The AP Agility Workflow Approval Activity.
   - The AP Agility Workflow Hold Activity.
   - The AP Agility Workflow Comment Request Activity.
   - The AP Agility Workflow Exception Activity.
   - The AP Agility Workflow Line Pairing Exception Activity.

For languages other than English, the zip file contains the `help` folder only. the `print` folder is available for English only. Also, not all help is localized. Administrative help such as the *Help for Kofax AP Agility Settings* and the *Help for Kofax AP Agility PIX Correction Activity* are available in English only.

An example of the folder hierarchy needed to support multiple languages is as follows.



Copy the required hierarchy using the above hierarchy as a reference. The country codes needed for the supported languages are as follows.

- German - `de_DE`
- Spanish - `es_ES`
- French - `fr_FR`
- Portuguese (Brazilian) - `pt_BR`