

Kofax TotalAgility

Configuration Utility Guide

Version: 7.8.0

Date: 2020-07-12

The logo for KOFAX, consisting of the word "KOFAX" in a bold, blue, sans-serif font.

© 2020 Kofax. All rights reserved.

Kofax is a trademark of Kofax, Inc., registered in the U.S. and/or other countries. All other trademarks are the property of their respective owners. No part of this publication may be reproduced, stored, or transmitted in any form without the prior written permission of Kofax.

Table of Contents

Preface.....	5
Related documentation.....	5
Training.....	6
Getting help with Kofax products.....	6
Configuration Utility.....	7
Run the Configuration Utility.....	8
Run the Configuration Utility in silent mode.....	10
Configuration settings.....	11
On-premise.....	11
Common.....	11
Web.....	12
App.....	14
Core Worker.....	15
Export Worker.....	17
Transformation Server.....	18
Streaming.....	20
Job Thread Pool.....	20
Licensing.....	21
Capture Cloud Storage.....	21
Integration Service Bindings.....	22
On-premise multi-tenant.....	22
Common.....	23
TMS (Tenant Management System).....	25
Web.....	26
App.....	28
Core Worker.....	29
Streaming.....	31
Transformation Server.....	31
Job Thread Pool.....	33
Licensing.....	33
Capture Cloud Storage.....	33
Integration Service Bindings.....	34
Transformation Server only.....	35
Common.....	35

Transformation Server.....	36
Real Time Transformation Service.....	37
Transformation Server.....	37
Integration Server.....	39
Web.....	39
Core Worker.....	40
Streaming.....	42
Integration Service Bindings.....	42
Reporting Server.....	42

Preface

This guide explains how to use the Configuration Utility to update settings across various configuration files for different types of installation and deployment.

Related documentation

The product documentation set for Kofax TotalAgility is available at the following location.

<https://docshield.kofax.com/Portal/Products/KTA/7.8.0-dpm5ap0jk8/KTA.htm>

In addition to this guide, the documentation set includes the following items:

- *Kofax TotalAgility Prerequisites Guide*: Provides system requirements for installing TotalAgility, instructions for running the prerequisite utility, and a software checklist for various installation types.
- *Kofax TotalAgility Installation Guide*: Describes how to install and configure TotalAgility.
- *Kofax TotalAgility Integration Server Installation Guide*: Describes how to install Kofax Integration Server and integrate it with other products.
- *Kofax TotalAgility On-Premise Multi-Tenant Installation Guide*: Describes how to install and configure On- Premise Multi-Tenant system.
- *Kofax TotalAgility Administrator's Guide*: Provides information to the administrator on configuring and maintaining a TotalAgility installation.
- *Kofax TotalAgility Architecture Guide*: Provides an overview of the TotalAgility architecture, covering various deployments for on-premise, on-premise multi-tenancy and Azure environments.
- *Kofax TotalAgility Best Practices Guide*: Describes the best practices you must follow when using TotalAgility to improve performance, cost, maintenance, availability and security.
- *Kofax TotalAgility Features Guide*: Provides an overview of the TotalAgility features.
- *Kofax TotalAgility Migration Guide*: Provides information on TotalAgility upgrades from different versions and post upgrade configuration.
- *Kofax TotalAgility Help*: Provides details about using TotalAgility to design business jobs and cases, assign resources, create forms, integrate with external applications, and more. Access the help from the TotalAgility application by clicking the Help button.
- *Kofax TotalAgility Workspace Help*: Describes how to use the Workspace to manage activities, jobs, and resources. Access the help from the TotalAgility Workspace by clicking the Help button.
- *Kofax TotalAgility On-Premise Multi-Tenant System Help*: Describes how to create and manage tenants using the TotalAgility On-Premise Multi-Tenant system.
- *Kofax TotalAgility Web Capture Control Help* : Provides details on using a Web Capture control in creating multi-page documents, creating a new document in a new folder, deleting pages that have been incorrectly scanned, and more; also, describes the buttons available in a Web Capture control toolbar.

- *Kofax Analytics for TotalAgility Product Features Guide*: Provides an overview of the dashboards that help you track data through the workflow, analyze the effectiveness of the processes and resources, and address business problems.
- *Kofax TotalAgility Tables*: Describes the Kofax TotalAgility tables and fields used by Kofax Analytics for TotalAgility.
- *Migration From Kofax Products Guide*: Provides information about migrating TotalAgility files and Kofax Transformation Modules projects to TotalAgility.

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 commitment, lifecycle policies, electronic fulfillment details, and self-service tools.
Scroll to the **General Support** section, click **Support Details**, and then select the appropriate tab.

Configuration Utility

The TotalAgility Configuration Utility allows you to modify or update settings across multiple configuration files at one go instead of updating each file separately. The utility is available on the installation media.

You can choose to run the utility in either of the following modes:

- **Configure current installation:** To configure the current installation by viewing or modifying the configuration settings for the current installation of TotalAgility. You can also save or load the settings from an external file.
- **Docker mode:** To create a docker settings file that can be used to run a container. You can enter your own values or load values from an external file.

On running the utility to modify the current installation, the settings are displayed under various tabs. The settings are based on the deployment type (On-Premise, On-Premise Multi-Tenant and Integration server) and installation type (Web, Application and Combined Web Application server). The following configuration files are affected.

Configuration file	Location
Web.config	..\Agility.Server.Web
Agility.Server.Core.WorkerService.exe.config	.. \CoreWorkerService
Kofax.CEBPM.CPUServer.ServiceHost.exe.config	..\Transformation Server
Kofax.CEBPM.Reporting.TAService.exe.config	..\Reporting
Agility.Server.StreamingService.exe.config	..\Agility.Server.Web for a Web server ..\CoreWorkerService for an Application server
Agility.Server.Core.ExportService.exe.config	..\CoreWorkerService
Agility.Server.Core.Executor.exe.config	..\CoreWorkerService ..\Agility.Server.Web ..\Reporting ..\Transformation Server

When you run the utility to modify the settings in a docker mode, the DockerSettings.env file is generated with the modified settings.

We recommend that you verify whether you are able to remotely connect to the database server where the databases were set up using SQL Server Management Studio that uses the IP address. This verifies that the docker containers are connected to the database server without any issues. The user running the Configuration Utility must have read and write permissions on the configuration files, and access to the TotalAgility databases (for an on-premise environment) and Master Tenant databases (for on-premise multi-tenant environment).

Note

- We recommend that you use IP addresses for the database servers, since machine names are usually unresolvable inside a docker container.
- Firewall should allow remote access to SQL Server.
- SQL Server itself should be configured to allow remote access with Mixed mode since the user is also allowed to access without Windows Authentication.
- To use split databases, the Main and Finished Jobs databases must point to the same database and reside on the same database server. This is because MSDTC is currently not supported by Microsoft on Docker containers.
- For instances where machine name is required, use the machine name of the container. For example, in the docker run command below, "container1" is the machine name of the container.

```
docker run -it --hostname "container1" --env-file "C:\Docker\TotalAgility\dockersettings.env" -p 5000:80 kofaxop
```
- TCP/IP protocols should be enabled for SQL Server.

Note Named pipes protocol does not work.

Run the Configuration Utility

1. Navigate to `TotalAgility\Utilities\ConfigurationUtility` on the installation media.

Note If you run the utility in the Docker mode, we recommend that you do not modify the folder structure of the installation media as the utility works from its location.

2. Run `KTAConfigurationUtility.exe`.
The **Configuration Editor Tool** dialog box appears.

3. Do either of the following:

Option	Description
View or modify the configuration settings for the current installation of TotalAgility.	<p>a. Select Configure current installation (default).</p> <p>b. Click OK. On prompt, confirm whether you want to stop the services automatically.</p> <div data-bbox="574 516 1451 621" style="border: 1px solid gray; background-color: #f0f0f0; padding: 5px;"> <p>Note We recommend that you choose stopping the services automatically if you want to change the settings. If you only want to view the settings, there is no need to stop the services.</p> </div> <p>The Configuration window displays the settings that are grouped by tabs based on the deployment type and installation type.</p> <p>c. The Common tab displays the settings that are common across multiple configuration files. Click each tab and make the changes, as needed. Alternatively, to load the modified settings from an existing file, click Load From Text File and select the text file in which the configuration changes were already made.</p> <p>d. To save the new configuration settings to a text file and reuse when needed, click Save To Text File.</p> <p>e. Click Save. The configuration files are updated with the modified settings. The system generates a log file which reports errors (if any).</p> <p>f. The updated changes will only take effect when the services are restarted. On prompt, click Yes to confirm automatic restart of the services.</p>
Run the utility in docker mode.	<p>a. Select Docker mode.</p> <p>b. Click OK. The Configuration window displays the settings that are grouped by tabs based on the docker container type. By default, the settings for full installation type are displayed.</p> <p>c. On the Docker Container Type list, select the container type. Available container types are Full Install (default), Web, Web and App, App, RTTS, Reporting, Transformation Server, and Licensing. Based on the selected docker container type, the settings are displayed under various tabs.</p> <p>d. The Common tab displays the settings that are common across multiple configuration files. Click each tab and make the changes, as needed. Alternatively, to load the modified settings from an existing file, click Load From Text File and select the text file in which the configuration changes were already made.</p> <p>e. To save the new configuration settings to a text file and reuse when needed, click Save To Text File.</p> <p>f. Click Save Docker Settings. The DockerSettings.env file is generated successfully with the modified settings. The system generates a log file which reports errors (if any).</p>

Run the Configuration Utility in silent mode

You can run the Configuration utility in a silent mode in a docker or non-docker mode. This allows the same configuration to be automatically applied to multiple instances of a TotalAgility server that have the same configuration settings. For example, in a TotalAgility deployment, a customer may have multiple Core Worker servers that share the same configuration settings. In such a case, silent mode configuration allows you to automatically apply the configuration to similar configuration files.

1. On the Command Prompt, change the command line to the root directory of the KTAConfigurationUtility.exe file.
2. Do either of the following:
 - To run the utility in non-docker mode, run `KTAConfigurationUtility.exe "/Silent" "<text file path>/ConfigSettings_OnPremise_FullInstall.txt" "false"` where, `ConfigSettings_OnPremise_FullInstall.txt` is the text file with configuration settings.
 - To run the utility in docker mode, run `KTAConfigurationUtility.exe "/Silent" "<text file path>/ConfigSettings_OnPremise_FullInstall.txt" "true"` where, `ConfigSettings_OnPremise_FullInstall.txt` is the text file with configuration settings.

The Configuration Utility is run automatically and the configuration settings are updated as per the settings in the text file for non- docker mode. In a docker mode, the `DockerSettings.env` file is generated with the settings specified in the text file.

The system generates a log file which reports errors (if any).

Configuration settings

This section describes the configuration settings for various deployments and installation types.

On-premise

This section describes the configuration settings for a TotalAgility on-premise deployment type.

Common

This tab displays the databases installed for a TotalAgility on-premise installation. These settings appear for a Web server, Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Main	MainDBConnectionString	Specifies the Main database connection string for the TotalAgility database server. Note To change a database, change the database name and point to the server where the database resides. Specify the IP address of the database server in docker mode as machine name is not supported in docker. Do this for all the databases.
Audit	AuditDBConnectionString	Specifies the Audit database connection string for the TotalAgility database server.
Finished Jobs	ArchiveDBConnectionString	Specifies the Archive database connection string for the TotalAgility database server.
Data Layer	Reads from the table SERVER_DATA of Main database. Note If you provide incorrect main db details, or if main db is not accessible, from where the configuration tool is run, error occurs.	Specifies the Data Layer database connection string for the TotalAgility database server.
Reporting	ReportingMainDBConnectionString	Specifies the Reporting database connection string for the TotalAgility database server.

Label	Configuration setting	Description
Staging	ReportingStagingDBConnectionString	Specifies the Reporting Staging database connection string for the TotalAgility database server.

Based on the installation type, the changes to settings apply to the following configuration files:

- Web.config
- Agility.Server.Core.WorkerService.exe.config
- Kofax.CEBPM.CPUServer.ServiceHost.exe.config
- Kofax.CEBPM.Reporting.TAService.exe.config
- Agility.Server.StreamingService.exe.config
- Agility.Server.Core.ExportService.exe.config

The value for the Documents database is maintained within the `SERVER_DATA.CEBPM_SETTINGS` column.

Web

This tab is only available for a TotalAgility Web server and combined Web Application server installation.

Label	Configuration setting	Description
Core Services Location	CoreServicesLocation	<p>Specifies the location for the core services.</p> <p>Note This setting is only available for a Web server installation. Provide the HTTPS core services location if you have enabled SSL.</p> <p>See Additional information on configuring the Core service location</p>
Cross Origin Resource Sharing	CorsAllowedOrigins	<p>Specifies the domains permitted to perform Cross Origin Resource Sharing.</p> <p>For example, when there are two domains, to allow access to the Kofax TotalAgility SDK APIs on your Application server, configure the setting as follows:</p> <pre><add key="CorsAllowedOrigins" value="http://sub-domain1.sub-domain2.domain1.com,http://domain2"/></pre> <p>To allow ALL domains to have access, configure the setting as follows:</p> <pre><add key="CorsAllowedOrigins" value="*" /></pre> <p>Note The setting with (value="") means CORS is not enabled.</p>
Online Help URL	OnlineHelpURL	Specifies the location for the TotalAgility online help.

Label	Configuration setting	Description
Minify Deployed Forms	MinifyDeployedForms	Specifies whether the java script files deployed by the Form Designer should be minified.
Anti-CSRF Target Host Name	TargetHostName	Specifies the target name (FQDN of the Web Server) for validating the Anti-CSRF tokens. This name should be the host/domain name of the TotalAgility Web server. Note The host name should be the same host/domain as specified in the browser URL.
Anti-CSRF Target Port Number	TargetPortNo	Specifies the target port number (website port number) for validating the Anti-CSRF tokens. This should be the port number of the TotalAgility Web server. Specify a port number only if it is required in the browser URL. Note The port should be the same port number as specified in the browser URL.
Authentication <ul style="list-style-type: none"> • HTTP with manual logon • HTTPS with manual logon • HTTP with Windows Authentication • HTTPS with Windows Authentication • HTTP with manual and Windows Authentication • HTTPS with manual and Windows Authentication 	Refers to the <code>security</code> section under <code>system.serviceModel/bindings</code>	Specify the authentication mode to be set for the server. Note <ul style="list-style-type: none"> • Before changing the authentication mode from HTTP to HTTPS or vice versa, you must enable SSL in the IIS; otherwise, the server may remain in an unsecured state. You must also update the <code>coreserviceslocation</code> and <code>Streaming service base address</code>. • To use manual and Windows authentication type, you must enable both <code>Anonymous</code> and <code>Windows Authentication</code> modes in the IIS. • If you change the authentication type to manual and Windows authentication, you will be redirected to manual logon if Windows authentication fails.
Use Host Prefix for Cookies	UseHostPrefixforCookies	Enables "Host Prefix for Cookies", a browser functionality which makes the cookies more secure by prefixing the TotalAgility cookie names with " <code>__HOST-</code> ". When a cookie name starts with this flag, it triggers additional browser policy on the cookie in supporting browsers. A <code>__Host-</code> -prefixed cookie is only accessible by the same domain it is set on, which means a subdomain can no longer overwrite the cookie value. It also makes a cookie accessible from HTTPS sites only. This protects the cookie even if an attacker uses a forged insecure site to overwrite a secure cookie.

The changes to settings apply to the following configuration files:

- Web.config
- Agility.Server.StreamingService.exe.config

Additional information on configuring the Core services location

In a non-docker mode, when you configure the Core Service location on a Web server, set the location during installation as shown in the examples below:

- **Non SSL:** `http://<AppserverMachineName>/<TotalAgilityWebsiteName>/services/core`
- **SSL:** `https://<AppserverMachineName>/<TotalAgilityWebsiteName>/services/core`

In a docker mode, you can set the location using the Configuration Utility by specifying the Host machine name and Application Server container port number. By doing so you need not update the host files or DNS entries on the App or Web containers if the IP is changed for an App container. For example:

- **Non SSL:** `http://<AppServerHostMachine>:5000/<TotalAgilityWebsiteName>/services/core`
(where 5000 is the port number of the Application server container)
- **SSL:** `https://<AppServerHostMachine>:5000/<TotalAgilityWebsiteName>/services/core`
(where 5000 is the port number of the Application server container)

The App server name must resolve on the Web server; this is done automatically if they are on the same domain. If needed, this can be done manually by updating the host file on the Web server or using DNS server.

- For non-docker mode, add the IP address of the Application server name.
- For docker mode, add the IP address of the host machine name.

App

This tab is only available for a TotalAgility Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Recovery Mode Session ID	RecoveryModeSessionId	Used for Federated Security recovery to enable the TotalAgility Designer logon when the user has an issue to resolve in the Federated Security.
Transformation Server Port	TSExternalServicePortForSyncProcessing	This setting specifies the port number to access the local Transformation Server instance. (Default value: 9001)

Label	Configuration setting	Description
KCM Server URL	CCMServerURL	Enter the KCM (Kofax Communication Manger) server URL in the following format: <code>http(s)://<KCMServer>:<Portnum></code> Provide the IP address and Port number of the KCM server.
KCM Proxy URL	CCMProxyURL	Specifies the location of the KCM Proxy used by the KCM control to communicate with the KCM server.
Authentication <div style="background-color: #e0e0e0; padding: 5px; border: 1px solid #ccc;"> <p>Note This setting is only available for a TotalAgility Application server installation.</p> </div> <ul style="list-style-type: none"> • HTTP with manual logon • HTTPS with manual logon • HTTP with Windows Authentication • HTTPS with Windows Authentication 	Refers to the <code>security</code> section under <code>system.serviceModel/bindings</code>	Specify the authentication mode to be set for the server. <div style="background-color: #e0e0e0; padding: 5px; border: 1px solid #ccc;"> <p>Note Before changing the authentication mode from HTTP to HTTPS, you must enable SSL in the IIS; otherwise, the server may remain in an unsecured state.</p> </div>

The changes to settings apply to the following configuration files:

- `Web.config`
- `Agility.Server.Core.WorkerService.exe.config`
- `Agility.Server.Core.ExportService.exe.config`
- `Agility.Server.StreamingService.exe.config`
- `Kofax.CEBPM.Reporting.TAService.exe.config`

Core Worker

This tab is only available for a TotalAgility Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Worker Task Poll Interval	CoreWorkerIntervalInSeconds	Specifies how often the system should check for the in-memory worker tasks that are due.
Database Worker Task Poll Interval	CoreWorkerDBIntervalInSeconds	Specifies how often the system should poll for a due database worker task.

Label	Configuration setting	Description
Worker Task Timeout Interval	CoreWorkerResetTaskIntervalInSeconds	Specifies how often the system checks for timed-out worker tasks. By default, the timeout interval assigned to each worker task is 300 seconds.
Poll Timeout Activities Reset Interval	CoreWorkerResetActivityIntervalInSeconds	Specifies how often the Core Worker checks for the timed-out activities.
Activity Timeout Interval	CoreWorkerActivityTimeoutIntervalInMinutes	Defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.
Maximum Messages/ Documents to Import	MaximumNumberOfMessagesToImport	Specifies the maximum number of documents or messages to import for document ingest.
Maximum Work Queue Task Size	CoreWorkerWorkQueueSize	Specifies the maximum number of tasks that can be taken by the core worker.
Maximum Evaluate Job Task Size	MaximumNumberOfEvaluateJobTasksToTake	Specifies the maximum number of Evaluate Job tasks to take.
Activity Order	CoreWorkerActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority= 0 • Activity Due Date= 1 • Activity Priority Due Date= 2 • Activity Due Date Priority= 3 • Job Priority= 4 • Job Due Date= 5 • Job Priority Due Date= 6 • Job Due Date Priority= 7
Maximum Activities to Lock	MaximumNumberOfActivitiesToLock	Specifies the number of automatic activities to lock when the Core Worker polls for the execution of automatic activities. The default value is 32.
Import Connector Name	ImportConnectorName	Allows the administrators to explicitly specify which import connection the Core Worker should use. (Default: All) This setting is useful when multiple Core Workers are set up.

Label	Configuration setting	Description
Performance Logging Enabled	PerformanceLoggingEnabled	Enables Performance counters logging into the log file. For more information on performance monitoring counters, see the following guides: <ul style="list-style-type: none"> • Performance counter usage section in the <i>Kofax TotalAgility Administrator's Guide</i>. • Add performance monitoring counters in the <i>Kofax TotalAgility Installation Guide</i>.
Thread Pool Monitoring Interval	CoreWorkerThreadPoolMonitoringInterval InSeconds	Defines how often a thread pool should monitor the threads in it. Currently, the monitoring is done to check for thread timeout and this applies only to the thread pools of automatic activity type. The default value is 60.
Archive Delete Worker Tasks to Retrieve	ArchiveDeleteWorkerTasksToRetrieve	Specifies the number of Archive Jobs and Deleteltem non-system level worker tasks to retrieve for execution. The default value is 50.
Archive Delete Retry Interval in Seconds	ArchiveDeleteRetryIntervalInSeconds	Specifies the maximum duration in seconds to calculate the next due date for executing Archive Jobs and Deleteltem non-system level worker tasks. The default value is 0.
Auto Activities Pool ID	AutoActivitiesPoolId	This setting specifies the thread pool ID for automatic activities.
Auto Activities Pool Name	AutoActivitiesPoolName	This setting specifies the thread pool name for automatic activities.
Upgrade Jobs Thread Pool Size	UpgradeJobsThreadPoolSize	This setting specifies the size of upgrade job thread pool. If the thread pool size is full, the core worker waits until there is space to add more tasks.

The changes to settings only apply to `Agility.Server.Core.WorkerService.exe.config`.

Export Worker

This tab is only available for a TotalAgility Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Activity Order	CoreWorkerActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority= 0 • Activity Due Date= 1 • Activity Priority Due Date= 2 • Activity Due Date Priority= 3 • Job Priority= 4 • Job Due Date= 5 • Job Priority Due Date= 6 • Job Due Date Priority= 7
Poll Timeout Activities Reset Interval	CoreWorkerResetActivityIntervalInSeconds	Specifies how often the Core Worker checks for the timed-out activities.
Activity Timeout Interval	CoreWorkerActivityTimeoutIntervalInMinutes	Defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.
Performance Logging Enabled	PerformanceLoggingEnabled	Enable Performance counters logging into log file. For more information on performance monitoring counters, see the following guides: <ul style="list-style-type: none"> • Performance counter usage section in the <i>Kofax TotalAgility Administrator's Guide</i>. • Add performance monitoring counters in the <i>Kofax TotalAgility Installation Guide</i>.

The changes to settings apply to the following configuration files:

- `Agility.Server.Web\bin\Agility.Server.ExportConnector.exe.config`
- `CoreWorkerService\Agility.Server.Core.ExportWorker.Host.exe.config`

Transformation Server

You can install the Transformation Server when you install TotalAgility, or install the Transformation Server separately. You can also install the Transformation Server in a different mode if you select the Real time Transformation Service mode when installing TotalAgility.

This tab is only available when you install the Transformation Server when installing TotalAgility for a TotalAgility Application server and Combined Web Application server installation.

When you install the Transformation Server independently, to modify the configuration settings, see [Transformation Server only](#).

When you select to install TotalAgility in the Real Time Transformation Service Mode, to modify the configuration settings, see [Real Time Transformation Service](#).

Label	Configuration setting	Description
Pool Name	PoolName	Specifies the pool from which the Transformation Server will process.
Maximum Number of Slots	MaxProcessingSlotsNumber	Specifies the number of CPU-intensive background processes that may run concurrently, excluding the idle background processes. (Default: 0) The maximum number of processing slots is determined using the following formula: $(int) \text{Math.Round}(\text{Environment.ProcessorCount} * 1.25)$
Activity Order	TransformationServiceActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority = 0 • Activity Due Date = 1 • Activity Priority Due Date = 2 • Activity Due Date Priority = 3 • Job Priority = 4 • Job Due Date = 5 • Job Priority Due Date = 6 • Job Due Date Priority = 7
Number of Reserved Slots	ReservedSlotsNumber	Enter the number of slots on the Transformation Server that are reserved for pushed high-priority activities (such as synchronous calls).
TCP/IP Port Number	Refers to the Port number of the baseAddress under the following section: <code>system.serviceModel/services/service/host/baseAddresses</code>	Specifies the port number of the baseAddress of the Transformation Service. Provide the port number of the Transformation Server.
Poll Timeout Activities Reset Interval In Minutes	TakenActivitiesResetTimeoutInMinutes	This setting specifies how often the Transformation Server checks for timed-out activities.
Activity Timeout Interval In Minutes	ResetActivitesIntervalMinutes	This setting defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.
Enable Online Learning	OnlineLearningExecutionEnabled	If selected, enables processing of the Online Learning task in this Transformation Server instance.
Enable Processing of Synchronous Activities	EnableSynchronousCalls	If selected, enables processing of synchronous "pushed" calls.
Process Only Synchronous Activities	SynchronousOnlyProcessing	If selected, specifies that the Transformation Server is only used for Synchronous Capture processing and does not poll for automatic activities.

The changes to settings only apply to the `Kofax.CEBPM.CPUServer.ServiceHost.exe.config`.

Streaming

This tab is available for all deployments and installation types.

Label	Configuration setting	Description
Base Address	Refers to the <code>baseAddress</code> under the following section: <code>system.serviceModel/ services/service/host/ baseAddresses.</code>	Enter the base address of the Streaming Service in the following format: <code>http(s)://<Server>:<Portnum></code> Provide the FQDN and port number of the server.

The changes to the settings only apply to `Agility.Server.StreamingService.exe.config`.

Job Thread Pool

A job thread performs multiple operations at a time, such as job evaluation, raising an exception job or ingestion through Kofax Import Connector. Multiple operations can lead to bottlenecks in the production systems. For example, when there are thousands of jobs to be archived, ingestion and job evaluation take longer time because the job threads are busy archiving jobs. Adding custom job thread pools, helps in achieving better throughput and prioritizing the background tasks.

You can add custom job thread pools, specify the number of threads in the thread pool and assign the worker task to a thread pool.

This tab is only available for a TotalAgility Application server and Combined Web Application server installation.

Label	Configuration setting	Description
ID	Id	Enter an ID for the thread pool.
Size	Size	Enter the size for the thread pool.
Add	Not applicable	Click Add to add a new thread pool.
Update	Not applicable	Click Update to update the selected thread pool.
Delete	Not applicable	Click Delete to delete the selected thread pool.
ArchiveJobTask	WorkerTasks	Assign the ArchiveJobTask to a thread pool.
EvaluateJobTask	WorkerTasks	Assign the EvaluateJobTask to a thread pool.
CreateExceptionTask	WorkerTasks	Assign the CreateExceptionTask to a thread pool.
CreateJobTask	WorkerTasks	Assign the CreateJobTask to a thread pool.
IngestSystemTask	WorkerTasks	Assign the IngestSystemTask to a thread pool.

Label	Configuration setting	Description
CaptureBatchTask	WorkerTasks	Assign the CaptureBatchTask to a thread pool.
DeleteltemTask	WorkerTasks	Assign the DeleteltemTask to a thread pool.
ProcessStateActionTask	WorkerTasks	Assign the ProcessStateActionTask to a thread pool.

The changes to the settings only apply to `Agility.Server.Core.WorkerService.exe.config`.

Licensing

Label	Configuration setting	Description
Primary	ServerID	The setting value 1 specifies a primary license server.
Backup	ServerID	The setting value 2 specifies a backup license server.

Capture Cloud Storage

This tab is only available for a TotalAgility Combined Web Application server installation.

By default the capture data is stored in the SQL Server. On a clean installation, the Capture Cloud Storage tab displays the following storage types in a read-only mode as you cannot change the capture data storage type post installation. You can only modify the connection strings and keys. On upgrading to TotalAgility 7.8.0, you can change the default storage to Windows Azure or Amazon storage types. Once you change the storage type, you cannot undo or re-modify the selected cloud storage type.

- **SQL Server**
- **Windows Azure Blob Storage**
- **Amazon S3**

On a clean installation, you can modify the following **Cloud Account Settings** for the storage types, as applicable. On upgrading TotalAgility, you must configure the cloud account settings:

Note You must stop all theKofax TotalAgility services on all TotalAgility servers before changing the cloud storage credentials, and then restart the services after changing.

Label	Configuration setting	Description
Windows Azure Blob Storage		
Account Connection String	ServerID	The connection string to connect to the Blob storage service.

Label	Configuration setting	Description
Container Name	ServerID	The Container Name of the storage service. Note You cannot change the bucket name.
Amazon S3		
Access Key	ServerID	The access key set for cloud storage.
Secret Key	ServerID	The secret access key for cloud storage.
Region	ServerID	The S3 region system names.
Bucket Name	ServerID	The cloud storage unit. Note You cannot change the bucket name.

Integration Service Bindings

This tab is only available in the Docker mode for the following docker container types: Full Install, Web and App, and App.

By default, all the settings on this tab are not selected. Use this tab is to enable SSL for the following integration service bindings.

Label	Configuration setting	Description
Exchange Notification Service	BasicHttpBinding_ExchangeNotificationService	Enables SSL for Exchange Notification Service.
SharePoint Communicator Service	BasicHttpBinding_SharePointCommunicatorService	Enables SSL for SharePoint Communicator Service.
TRIM Communicator Service	BasicHttpBinding_TRIMCommunicatorService	Enables SSL for TRIM Communicator Service.
DynamicsAX Communicator Service	BasicHttpBinding_DynamicsAXCommunicatorService	Enables SSL for DynamicsAX Communicator Service.
DynamicsAX Integration Service	BasicHttpBinding_DynamicsAXIntegrationService	Enables SSL for DynamicsAX Integration Service.
Insight Data Service	BasicHttpBinding_InsightDataService	Enables SSL for Insight Data Service.

The changes to the settings apply to TotalAgility `web.config`.

On-premise multi-tenant

This section describes the configuration settings for a TotalAgility on-premise multi-tenant deployment type.

Common

This tab displays the databases installed for a TotalAgility on-premise installation. These configuration settings appear for the Web server, Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Tenant	MainDBConnectionString	<p>Specifies the tenant database name.</p> <p>Note You must use SQL Server authentication to connect to the database server.</p> <p>The username and password should be updated using the tenant connection string available in the Tenant Management Website. The tenant username is appended with "live" or "dev" by default, for example <tenant1_live/dev>.</p>
Data Centers	TenantDBConnectionString	<p>Specifies the Data Center database connection string for the TotalAgility database server.</p> <p>Note To change a database, change the database name and point to the server where the database resides. Specify the IP address of the database server in docker mode as machine name is not supported in docker.</p>
Deployment Type	DeploymentType	Specifies the mode of environment you wish to set up, such as Live or Dev.
TotalAgility Host Name Live	TotalAgilityHostNameLive	<p>Specifies the host name for the TotalAgility Live environment.</p> <p>Note The live host name will only be updated to the master tenants database if on-premise multi-tenancy is installed along with Tenant Management System; otherwise, the live host name will be updated to Web.config.</p> <p>See Additional information on Host Name Live and Host Name Dev</p>

Label	Configuration setting	Description
TotalAgility Host Name Dev	TotalAgilityHostNameDev	<p>Specifies the host name for the TotalAgility Development environment.</p> <p>Note The dev host name will only be updated to the master tenants database if on-premise multi-tenancy is installed along with Tenant Management System; otherwise, the dev host name will be updated to Web.config.</p> <p>See Additional information on Host Name Live and Host Name Dev</p>
Multi-Tenant performance Counters	PerformanceCountersMultitenanted	Specifies whether multi-tenanted performance counter instances can be created for each tenant.

The tenant databases are applied to the following configuration files:

- Web.config
- Agility.Server.Core.WorkerService.exe.config
- Kofax.CEBPM.CPUServer.ServiceHost.exe.config
- Kofax.CEBPM.Reporting.TAService.exe.config
- Agility.Server.StreamingService.exe.config
- Agility.Server.Core.ExportService.exe.config
- Agility.Server.Core.Executor.exe.config

The host names are applied to the following configuration files:

- Web.config
- Agility.Server.StreamingService.exe.config

Additional information on Host Name Live and Host Name Dev

In a non-docker mode, when using the LiveHostName and DevHostName to access TotalAgility, the format of the name should be `hostname: port number`.

Host Name: When you are using a load balancer and a public DNS, then Host name text should be the public DNS, such as `cta.app.com`; otherwise, the host name is the host name of the machine where TotalAgility Web server is installed.

Port Number:

- Use port number when TotalAgility is installed on a non-standard TCP port.
- Port number can be ignored when TotalAgility is installed on a default port.

In a docker mode, when using LiveHostName and DevHostName to access the TotalAgility containers, format of text should be as follows: `host name : any TCP port number open for the incoming connection on the host machine`. To get the host name, do the following:

1. On the host name, go to the Command Prompt.

2. Enter the host name.

Command returns the hostname, for example, 'MyHostMachine'

To get the port number, use any TCP port number where incoming connections are allowed. However, ensure to use same port number for the port forwarding while creating the container. For example, if you have given live\dev host names as MyHostMachine :5000. Port forwarding should be done at port 5000 using switch -p in the run command: `docker run --env-file "DockerSettings.env " -p 5000:443 -it kofax/ kta_771.`

If you are using a load balancer and a public DNS, then Host name text should be the public DNS, such as kta.app.com.

TMS (Tenant Management System)

This tab is only available for a TotalAgility on-premise multi-tenant Application server and Combined Web Application server installation.

Label	Setting	Description
Master Tenants	MasterTenantDBConnectionString	Specifies the Master Tenant database connection string for the TotalAgility database server. Note To change a database, change the database name and point to the server where the database resides.
Send Mail Server	SendMailServer	Specifies the email for the SMTP server.
Send Mail User Name	SendMailUserName	Specifies the user name for the mail server.
Send Mail Password	SendMailPassword	Specifies the password for the mail server.
Send Mail From Address	SendMailFromAddress	Specifies the sender's address from the mail server.
Send Mail BCC List	SendMailBCCList	Specifies the invisible recipient address from the mail server.
Send Mail Enable SSL	SendMailEnableSSL	Specifies if SSL is enabled or disabled for the mail server.
Anti-CSRF Target Host Name	TargetHostName	Specifies the target name (FQDN of the Web Server) for validating the Anti-CSRF tokens. The name should be the host/domain name of the TotalAgility Web server, and must match the host/domain specified in the browser URL.
Anti-CSRF Target Port Number	TargetPortNo	Specifies the target port number (website port number) for validating the Anti-CSRF tokens. The port should be the port number of the TotalAgility Web server, and should match the port specified in the browser URL. Specify a port number here only if it is required in the browser URL.

The changes to settings apply to the following configuration files:

- `Agility.Server.Web\web.config`
- `Agility.Server.Web.TenantManagement\web.config`

Web

This tab is only available for a TotalAgility on-premise multi-tenant Web server and Combined Web Application server installation.

Label	Configuration setting	Description
Core Services Location	CoreServicesLocation	<p>Specifies the location for the core services.</p> <p>Note This setting is only available for a Web server installation. Provide the HTTPS core services location if you have enabled SSL.</p> <p>See Additional information on configuring Core service location</p>
Cross Origin Resource Sharing	CorsAllowedOrigins	<p>Specifies the domains permitted to perform Cross Origin Resource Sharing.</p> <p>For example, when there are two domains, to allow access to the Kofax TotalAgility SDK APIs on your Application server, configure the setting as follows:</p> <pre><add key="CorsAllowedOrigins" value="http://sub-domain1.sub-domain2.domain1.com,http://domain2"/></pre> <p>To allow ALL domains to have access, configure the setting as follows:</p> <pre><add key="CorsAllowedOrigins" value="*" /></pre> <p>Note The setting with (value="") means CORS is not enabled.</p>
Online Help URL	OnlineHelpURL	Specifies the location for the TotalAgility online help.
Minify Deployed Forms	MinifyDeployedForms	Specifies whether the java script files deployed by the Form Designer should be minified.
Anti-CSRF Target Host Name	TargetHostName	Specifies the target name (FQDN of the Web Server) for validating the Anti-CSRF tokens. The name should be the host/domain name of the TotalAgility web server, and must match the host/domain specified in the browser URL.

Label	Configuration setting	Description
Anti-CSRF Target Port Number	TargetPortNo	Specifies the target port number (website port number) for validating the Anti-CSRF tokens. The port should be the port number of the TotalAgility Web server, and should match the port specified in the browser URL. Specify a port number here only if it is required in the browser URL.
Authentication <ul style="list-style-type: none"> • HTTP with manual logon • HTTPS with manual logon • HTTP with Windows Authentication • HTTPS with Windows Authentication • HTTP with manual and Windows Authentication • HTTPS with manual and Windows Authentication 	Refers to the <code>security</code> section under <code>system.serviceModel/bindings</code>	Specify the authentication mode to be set for the server. <div style="background-color: #f0f0f0; padding: 10px; margin-top: 10px;"> <p>Note</p> <ul style="list-style-type: none"> • Before changing the authentication mode from HTTP to HTTPS or vice versa, you must enable SSL in the IIS; otherwise, the server may remain in an unsecured state. You must also update the <code>coreserviceslocation</code> and <code>Streaming service base address</code>. • To use manual and Windows authentication type, you must enable both <code>Anonymous</code> and <code>Windows Authentication</code> modes in the IIS. • If you change the authentication type to manual and Windows authentication, you will be redirected to manual logon if Windows authentication fails. </div>
Use Host Prefix for Cookies	UseHostPrefixforCookies	Enables "Host Prefix for Cookies", a browser functionality which makes the cookies more secure by prefixing the TotalAgility cookie names with " <code>__HOST-</code> ". When a cookie name starts with this flag, it triggers additional browser policy on the cookie in supporting browsers. A <code>__Host-</code> prefixed cookie is only accessible by the same domain it is set on, which means a subdomain can no longer overwrite the cookie value. It also makes a cookie accessible from HTTPS sites only. This protects the cookie even if an attacker uses a forged insecure site to overwrite a secure cookie.

The changes to settings apply to the following configuration files:

- `Web.config`
- `Agility.Server.StreamingService.exe.config`

Additional information on configuring the Core service location

For an on-premise multi-tenant deployment, at runtime, the tenant name is dynamically prepended to the Core service location as shown in the examples below.

- **Non-docker**

- **Non SSL:** `http://<TenantName.AppServerMachineName>/<TotalAgilityWebsiteName>/services/core`
- **SSL:** `https://<TenantName.AppServerMachineName>/<TotalAgilityWebsiteName>/services/core`

- **Docker**

- **Non SSL:** `http://<TenantName.AppServerHostMachineName>:5000/<TotalAgilityWebsiteName>/services/core`
(where 5000 is the port number of the Application server container)
- **SSL:** `https://<TenantName.AppServerHostMachineName>:5000/<TotalAgilityWebsiteName>/services/core`
(where 5000 is the port number of the Application server container)

Kofax TotalAgility needs to resolve { TenantName.AppServerName } on both app and web servers. Update the host files or DNS entries on the web/app servers. We recommend to use a wildcard DNS.

- For non-docker mode, add the IP address of the Application server.
- For docker mode, add the IP address of the TenantName.HostMachineName in the containers.

Note The Core Services location should specify the machine name and not IP address for the Application server. The machine IP does not work for on-premise multi-tenant deployment because Kofax TotalAgility resolves { TenantName.MachineName} on the App/Web servers through the "Live/Dev Host name" setting and not { TenantName.MachineIP }.

App

This tab is only available for a TotalAgility on-premise multi-tenant Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Recovery Mode Session ID	RecoveryModeSessionId	Used for Federated Security recovery to enable the TotalAgility Designer logon when the user has an issue to resolve in the Federated Security.
Transformation Server Port	TSExternalServicePortForSyncProcessing	This setting specifies the port number to access the local Transformation Server instance. The default value is 9001.

Label	Configuration setting	Description
KCM Server URL	CCMServerURL	Setting specifies the KCM (Kofax Communication Manger) server URL. Enter the KCM Server URL in the following format: <code>http(s)://<CCMServer>:<Portnum></code> . Provide the IP address and Port number of the KCM server.
KCM Proxy URL	CCMProxyURL	Specifies the location of the KCM (Kofax Communication Manger) Proxy used by the KCM Control to communicate with the KCM server.

The changes to settings only apply to `Agility.Server.Web\web.config`.

Core Worker

This tab is only available for a TotalAgility on-premise multi-tenant Application server and Combined Web Application server installation.

Label	Configuration setting	Description
Auto Activity Thread Pool Size	CoreWorkerMaxAutoActivityThreadPoolSize	This setting specifies the maximum size of the activity thread pool. If the thread pool size is full, the core worker will wait until there is space to add more tasks.
Job Thread Pool Size	CoreWorkerMaxJobThreadPoolSize	This setting specifies the maximum size of the job thread pool. If the thread pool size is full, the core worker will wait until there is space to add more tasks.
Process Activities Thread Pool Size	CoreWorkerMaxProcessActivitiesThreadPoolSize	Specifies the maximum size of the process activities thread pool. If the thread pool size is full, the core worker will wait until there is space to add more tasks.
Worker Task Poll Interval	CoreWorkerIntervalInSeconds	Specifies how often the system should check for the in-memory worker tasks that are due.
Worker Task Timeout Interval	CoreWorkerResetTaskIntervalInSeconds	Specifies how often the system checks for timed-out worker tasks. By default, the timeout interval assigned to each worker task is 300 seconds.

Label	Configuration setting	Description
Poll Timeout Activities Reset Interval	CoreWorkerResetActivityIntervalInSeconds	<p>Specifies how often the Core Worker checks for the timed-out activities. By default, the reset activity interval assigned to each worker task is 300 seconds.</p> <p>Note For an Azure environment, the default reset activity interval assigned to each worker task is 900 seconds. A tenant can still override the default value by setting the expected duration of an activity within the process in TotalAgility Designer. See <i>TotalAgility help</i> for more information.</p>
Activity Timeout Interval	CoreWorkerActivityTimeoutIntervalMinutes	Defines the duration after which an activity is timed out. When an activity times out. The activity is only freed once the corresponding task executes.
Maximum Messages/ Documents to Import	MaximumNumberOfMessagesToImport	Specifies the maximum number of documents/messages to import for Document Ingest.
Maximum Work Queue Task Size	CoreWorkerWorkQueueSize	Specifies the maximum number of tasks that can be taken by the core worker.
Maximum Evaluate Job Task Size	MaximumNumberOfEvaluateJobTasksToTake	Specifies the maximum number of Evaluate Job tasks to take.
Activity Order	CoreWorkerActivityOrder	<p>Specifies the order in which the activities are taken for processing:</p> <ul style="list-style-type: none"> • Activity Priority= 0 • Activity Due Date= 1 • Activity Priority Due Date= 2 • Activity Due Date Priority= 3 • Job Priority= 4 • Job Due Date= 5 • Job Priority Due Date= 6 • Job Due Date Priority= 7

Label	Configuration setting	Description
Performance Logging Enabled	PerformanceLoggingEnabled	Enables Performance counters logging into log file. For more information on performance monitoring counters, see the following guides: <ul style="list-style-type: none"> Performance counter usage section in the <i>Kofax TotalAgility Administrator's Guide</i>. Add performance monitoring counters in the <i>Kofax TotalAgility Installation Guide</i>.
Thread Pool Monitoring Interval	CoreWorkerThreadPoolMonitoringInterval InS econds	Defines how often a thread pool should monitor the threads in it. Currently, the monitoring is done to check for thread timeout and this applies only to the thread pools of automatic activity type. The default value is 60.
Auto Activities Pool ID	AutoActivitiesPoolId	This setting specifies the thread pool ID for automatic activities.
Auto Activities Pool Name	AutoActivitiesPoolName	This setting specifies the thread pool name for automatic activities.

The changes to settings only apply to `Agility.Server.Core.WorkerService.exe.config`.

Streaming

This tab is available for all deployments and installation types.

Label	Configuration setting	Description
Base Address	Refers to the <code>baseAddress</code> under the section <code>system.serviceModel/services/service/host/baseAddresses</code> .	Enter the base address of the Streaming Service in the following format: <code>http(s)://<Server>:<Portnum></code> Provide the FQDN and port number of the server.

The changes to settings only apply to `Agility.Server.StreamingService.exe.config`.

Transformation Server

You can install the Transformation Server when you install TotalAgility, or install the Transformation Server separately. This tab is only available when you install the Transformation Server for a TotalAgility Application server and Combined Web Application server installation.

If you have installed Transformation Server independently, see [Transformation Server only](#).

Label	Configuration setting	Description
Pool Name	PoolName	Specifies the pool from which the Transformation Server will process.
Maximum Number of Slots	MaxProcessingSlotsNumber	Specifies the number of CPU-intensive background processes that may run concurrently, excluding the idle background processes. (Default: 0) The maximum number of processing slots is determined using the following formula: $(int) \text{Math.Round}(\text{Environment.ProcessorCount} * 1.25)$
Activity Order	TransformationServiceActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority = 0 • Activity Due Date = 1 • Activity Priority Due Date = 2 • Activity Due Date Priority = 3 • Job Priority = 4 • Job Due Date = 5 • Job Priority Due Date = 6 • Job Due Date Priority = 7
Number of Reserved Slots	ReservedSlotsNumber	Enter the number of slots on the Transformation Server that are reserved for pushed high-priority activities (such as synchronous calls).
TCP/IP Port Number	Refers to the Port number of the baseAddress under the following section: <code>system.serviceModel/services/service/host/baseAddresses</code>	Specifies the port number of the baseAddress of the Transformation Service. Provide the port number of the Transformation Server.
Poll Timeout Activities Reset Interval In Minutes	ResetActivitesIntervalMinutes	Specifies how often the Transformation Server checks for the timed-out activities.
Activity Timeout Interval In Minutes	TakenActivitiesResetTimeoutInMinutes	Defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.
Enable Online Learning	OnlineLearningExecutionEnabled	If selected, enables processing of the Online Learning task in this Transformation Server instance.
Enable Processing of Synchronous Activities	EnableSynchronousCalls	If selected, enables processing of synchronous "pushed" calls.
Process Only Synchronous Activities	SynchronousOnlyProcessing	If selected, specifies that the Transformation Server is only used for Synchronous Capture processing and does not poll for automatic activities.

The changes to settings only apply to `Kofax.CEBPM.CPUServer.ServiceHost.exe.config`.

Job Thread Pool

You can add custom job thread pools, specify the number of threads in the thread pool and assign the worker task to a thread pool.

This tab is only available for a TotalAgility on-premise multi-tenant Application server and Combined Web Application server installation.

Label	Configuration setting	Description
ID	Id	Enter an ID for the thread pool.
Size	Size	Enter the size for the thread pool.
Add	Not applicable	Click Add to add a new thread pool.
Update	Not applicable	Click Update to update the selected thread pool.
Delete	Not applicable	Click Delete to delete the selected thread pool.
ArchiveJobTask	WorkerTasks	Assign the ArchiveJobTask to a thread pool.
EvaluateJobTask	WorkerTasks	Assign the EvaluateJobTask to a thread pool.
CreateExceptionTask	WorkerTasks	Assign the CreateExceptionTask to a thread pool.
CreateJobTask	WorkerTasks	Assign the CreateJobTask to a thread pool.
CaptureBatchTask	WorkerTasks	Assign the CaptureBatchTask to a thread pool.
DeleteItemTask	WorkerTasks	Assign the DeleteItemTask to a thread pool.
ProcessStateActionTask	WorkerTasks	Assign the ProcessStateActionTask to a thread pool.

The changes to the settings only apply to `Agility.Server.Core.WorkerService.exe.config`.

Licensing

Label	Configuration Setting	Description
Primary	ServerID	If the setting value is 1, this is a primary license server.
Backup	ServerID	If the setting value is 2, this is a backup license server.

Capture Cloud Storage

This tab is only available for a TotalAgility Combined Web Application server installation.

By default the capture data is stored in the SQL Server. On a clean installation, the Capture Cloud Storage tab displays the following storage types in a read-only mode as you cannot change the capture data storage type post installation. You can only modify the connection strings and keys. On upgrading to

TotalAgility 7.8.0, you can change the default storage to Windows Azure or Amazon storage types. Once you change the storage type, you cannot undo or remodify the selected cloud storage type.

- **SQL Server**
- **Windows Azure Blob Storage**
- **Amazon S3**

On a clean installation, you can modify the following **Cloud Account Settings** for the storage types, as applicable. On upgrading TotalAgility, you must configure the cloud account settings:

Note You must stop all the Kofax TotalAgility services on all TotalAgility servers before changing the cloud storage credentials, and then restart the services after changing.

Label	Configuration setting	Description
Windows Azure Blob Storage		
Account Connection String	ServerID	The connection string to connect to the Blob storage service. Note The Container name for capture data storage is automatically created by the installer.
Amazon S3		
Access Key	ServerID	The access key set for cloud storage.
Secret Key	ServerID	The secret access key for cloud storage.
Region	ServerID	The S3 region system names. Note The Bucket name for capture data storage is automatically created by the installer.
Bucket Name	ServerID	The cloud storage unit. Note You cannot change the bucket name.

Integration Service Bindings

This tab is only available in the Docker mode for the following docker container types: Full Install, Web and App, and App.

By default, all the settings on this tab are not selected. Use this tab is to enable SSL for the following integration service bindings.

Label	Configuration setting	Description
Exchange Notification Service	BasicHttpBinding_Exchange NotificationService	Enables SSL for Exchange Notification Service.

Label	Configuration setting	Description
SharePoint Communicator Service	BasicHttpBinding_SharePointCommunicatorService	Enables SSL for SharePoint Communicator Service.
TRIM Communicator Service	BasicHttpBinding_TRIMCommunicatorService	Enables SSL for TRIM Communicator Service.
DynamicsAX Communicator Service	BasicHttpBinding_DynamicsAXCommunicatorService	Enables SSL for DynamicsAX Communicator Service.
DynamicsAX Integration Service	BasicHttpBinding_DynamicsAXIntegrationService	Enables SSL for DynamicsAX Integration Service.
Insight Data Service	BasicHttpBinding_InsightDataService	Enables SSL for Insight Data Service.

The changes to the settings apply to TotalAgility `web.config`.

Transformation Server only

This section describes the configuration settings when you install the Transformation Server independently.

Common

This tab displays the TotalAgility database configuration used by the Transformation Server.

Label	Configuration Setting	Description
Main	MainDBConnectionString	Specifies the Main database connection string for the TotalAgility database server. Note To change a database, change the database name and point to the server where the database resides. Do this for all the databases.
Audit	AuditDBConnectionString	Specifies the Audit database connection string for the TotalAgility database server.
Finished Jobs	ArchiveDBConnectionString	Specifies the Archive database connection string for the TotalAgility database server.
Staging	ReportingStagingDBConnectionString	Specifies the Reporting Staging database connection string for the TotalAgility database server.

Label	Configuration Setting	Description
Data Centers	TenantDBConnectionString	<p>Specifies the Data Center database connection string for the TotalAgility database server.</p> <p>Note To change a database, change the database name and point to the server where the database resides. This setting is only available for a Multi-Tenant Deployment.</p>
Deployment Type	DeploymentType	<p>Specifies the mode of environment you wish to set up, such as Live or Dev.</p> <p>Note This setting is only available for a Multi-Tenant Deployment.</p>

Transformation Server

Label	Configuration Setting	Description
Pool Name	PoolName	Specifies the pool from which the Transformation Server will process.
Maximum Number of Slots	MaxProcessingSlotsNumber	<p>Specifies the number of CPU-intensive background processes that may run concurrently, excluding the idle background processes. (Default: 0)</p> <p>The maximum number of processing slots is determined using the following formula:</p> <pre>(int) Math.Round (Environment . ProcessorCount * 1.25)</pre>
Activity Order	TransformationServiceActivityOrder	<p>Specifies the order in which the activities are taken for processing:</p> <ul style="list-style-type: none"> • Activity Priority = 0 • Activity Due Date = 1 • Activity Priority Due Date = 2 • Activity Due Date Priority = 3 • Job Priority = 4 • Job Due Date = 5 • Job Priority Due Date = 6 • Job Due Date Priority = 7
Number of Reserved Slots	ReservedSlotsNumber	Enter the number of slots on the Transformation Server that are reserved for pushed high-priority activities (such as synchronous calls).

Label	Configuration Setting	Description
TCP / IP Port Number	Refers to the Port number of the baseAddress under the following section: <code>system.serviceModel/services/ service/host/baseAddresses</code>	Specifies the port number of the baseAddress of the Transformation Service. Provide the port number of the Transformation Server.
Poll Timeout Activities Reset Interval In Minutes	ResetActivityIntervalInMinutes	Specifies how often the Transformation Server checks for the timed-out activities.
Activity Timeout Interval In Minutes	TakenActivitiesResetTimeoutInMinutes	Defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.
Multi-Tenant Deployment	IsMultitenantDeployment	Indicates whether the deployment is Multi-Tenant or On-Premise. Note If selected, the deployment type and the associated databases that you are using must be installed as a Multi-Tenant.
Enable Online Learning	OnlineLearningExecutionEnabled	If selected, enables processing of the Online Learning task in this Transformation Server instance.
Enable Processing of Synchronous Activities	EnableSynchronousCalls	If selected, enables processing of synchronous "pushed" calls.
Process Only Synchronous Activities	SynchronousOnlyProcessing	If selected, specifies that the Transformation Server is only used for Synchronous Capture processing and does not poll for automatic activities.

The changes to the settings apply only to the Transformation Server
`\Kofax.CEBPM.CPUServer.ServiceHost.exe.config`.

Real Time Transformation Service

This section describes the configuration settings when you select the Real Time Transformation Service mode when installing TotalAgility.

Transformation Server

Label	Configuration Setting	Description
Pool Name	PoolName	Specifies the pool from which the Transformation Server will process.

Label	Configuration Setting	Description
Maximum Number of Slots	MaxProcessingSlotsNumber	Specifies the number of CPU-intensive background processes that may run concurrently, excluding the idle background processes. (Default: 0) The maximum number of processing slots is determined using the following formula: <code>(int)Math.Round(Environment.ProcessorCount * 1.25)</code>
Activity Order	TransformationServiceActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority = 0 • Activity Due Date = 1 • Activity Priority Due Date = 2 • Activity Due Date Priority = 3 • Job Priority = 4 • Job Due Date = 5 • Job Priority Due Date = 6 • Job Due Date Priority = 7
Number of Reserved Slots	ReservedSlotsNumber	Enter the number of slots on the Transformation Server that are reserved for pushed high-priority activities (such as synchronous calls).
TCP/IP Port Number	Refers to the Port number of the baseAddress under the following section: <code>system.serviceModel/services/service/host/baseAddresses</code>	Specifies the port number of the base Address of the Transformation Service. Provide the port number of the Transformation Server.
Enable Online Learning	OnlineLearningExecutionEnabled	If selected, enables processing of the Online Learning task in this Transformation Server instance.
Enable Processing of Synchronous Activities	EnableSynchronousCalls	If selected, enables processing of synchronous "pushed" calls. Note This setting is displayed read-only when you select to install TotalAgility in the Real Time Transformation Service mode.
Process only Synchronous Activities	SynchronousOnlyProcessing	If selected, specifies that the Transformation Server is only used for Synchronous Capture processing and does not poll for automatic activities. Note This setting is displayed read-only when you select to install TotalAgility in the Real Time Transformation Service mode.

The changes to the settings apply only to the `Kofax.CEBPM.CPUServer.ServiceHost.exe.config`.

Integration Server

This section describes the configuration settings for a TotalAgility Integration Server.

Web

This tab is available for a TotalAgility Integration Server Application server, Web server and Combined Web Application server installation.

Label	Configuration Setting	Description
Core Integration Services Location	CoreIntegrationServicesLocation	Specifies the location for the core integration services.
Core Services Location	CoreServicesLocation	Specifies the location for the core services. Note Provide the HTTPS core services location if you have enabled SSL.
Online Help URL	OnlineHelpURL	Specifies the location for the TotalAgility online help.
Anti-CSRF Target Host Name	TargetHostName	Specifies the target name (FQDN of the Web Server) for validating the Anti-CSRF tokens. This name should be the host/domain name of the TotalAgility Web server. Note The host name should be the same host/domain as specified in the browser.
Anti-CSRF Target Port Number	TargetPortNo	Specifies the target port number (website port number) for validating the Anti-CSRF tokens. This should be the port number of the TotalAgility server. Specify a port number here only if it is required in the browser URL. Note The port should be the same port number as specified in the browser URL.

Label	Configuration Setting	Description
Use Host Prefix for Cookies	UseHostPrefixforCookies	Enables "Host Prefix for Cookies", a browser functionality which makes the cookies more secure by prefixing the TotalAgility cookie names with "__HOST-". When a cookie name starts with this flag, it triggers additional browser policy on the cookie in supporting browsers. A __Host--prefixed cookie is only accessible by the same domain it is set on, which means a subdomain can no longer overwrite the cookie value. It also makes a cookie accessible from HTTPS sites only. This protects the cookie even if an attacker uses a forged insecure site to overwrite a secure cookie.

The changes to settings only apply to `Web.config`.

Core Worker

This tab is only available for a TotalAgility Integration Server Application server and Combined Web Application server installation.

Label	Configuration Setting	Description
Core Integration Services Location	CoreIntegrationServicesLocation	Specifies the location for the core integration services.
Core Services Location	CoreServicesLocation	Specifies the location for the core services. Note Provide the HTTPS core services location if you have enabled SSL.
Auto Activity Thread Pool Size	CoreWorkerMaxAutoActivityThreadPoolSize	Specifies the maximum size of the activity thread pool. If the thread pool size is full, the core worker will wait until there is space to add more tasks.
Worker Task Poll Interval	CoreWorkerIntervalInSeconds	Specifies how often the system should check for the in-memory worker tasks that are due.
Worker Task Timeout Interval	CoreWorkerResetTaskIntervalInSeconds	Specifies how often the system checks for timed-out worker tasks. By default, the timeout interval assigned to each worker task is 300 seconds.
Poll Timeout Activities Reset Interval	CoreWorkerResetActivityIntervalInSeconds	Specifies how often the Core Worker checks for the timed-out activities.
Activity Timeout Interval	CoreWorkerActivityTimeoutIntervalInMinutes	Defines the duration after which an activity is timed out. The activity is only freed once the corresponding task executes.

Label	Configuration Setting	Description
Maximum Messages / Documents to Import	MaximumNumberOfMessagesToImport	Specifies the maximum number of documents or messages to import for document ingest.
Activity Order	CoreWorkerActivityOrder	Specifies the order in which the activities are taken for processing: <ul style="list-style-type: none"> • Activity Priority= 0 • Activity Due Date= 1 • Activity Priority Due Date= 2 • Activity Due Date Priority= 3 • Job Priority= 4 • Job Due Date= 5 • Job Priority Due Date= 6 • Job Due Date Priority= 7
Import Connector Name	ImportConnectorName	Allows administrators to explicitly specify which import connection the Core Worker should use. (Default: All) This setting is useful when multiple Core Workers are set up.
Performance Logging Enabled	PerformanceLoggingEnabled	Enables Performance counters logging into log file. For more information on performance monitoring counters, see the following guides: <ul style="list-style-type: none"> • Performance counter usage section in the <i>Kofax TotalAgility Administrator's Guide</i>. • Add performance monitoring counters in the <i>Kofax TotalAgility Installation Guide</i>.
Thread Pool Monitoring Interval	CoreWorkerThreadPoolMonitoringInterval InSeconds	Defines how often a thread pool should monitor the threads in it. Currently, the monitoring is done to check for thread timeout and this applies only to the thread pools of automatic activity type. The default value is 60.
Multi-Tenant Performance Counters	PerformanceCountersMultitenanted	Specifies whether multi-tenanted performance counter instances can be created for each tenant.
Auto Activities Pool Id	AutoActivitiesPoolId	This setting specifies the thread pool ID for automatic activities.
Auto Activities Pool Name	AutoActivitiesPoolName	This setting specifies the thread pool name for automatic activities.

The changes to settings apply to `Agility.Server.Core.WorkerService.exe.config` and `CoreWorkerService\Agility.Server.Core.ExportService.exe.config`.

Streaming

This tab is available for a TotalAgility Integration Server Application server, Web server and Combined Web Application server installation.

Label	Configuration Setting	Description
Base Address	Refers to the <code>baseAddress</code> under the following section: <code>system.serviceModel/services/ service/host/baseAddresses.</code>	Enter the base address of the Streaming Service in the following format: <code>http(s)://<Server>:<Portnum></code> Provide the FQDN and port number of the server.

The changes to the settings only apply to `Agility.Server.StreamingService.exe.config`.

Integration Service Bindings

This tab is only available in the Docker mode for the following docker container types: Full Install, Web and App, and App.

By default, all the settings on this tab are not selected. Use this tab is to enable SSL for the following integration service bindings.

Label	Configuration setting	Description
Exchange Notification Service	<code>BasicHttpBinding_ExchangeNotificationService</code>	Enables SSL for Exchange Notification Service.
SharePoint Communicator Service	<code>BasicHttpBinding_SharePointCommunicatorService</code>	Enables SSL for SharePoint Communicator Service.
TRIM Communicator Service	<code>BasicHttpBinding_TRIMCommunicatorService</code>	Enables SSL for TRIM Communicator Service.
DynamicsAX Communicator Service	<code>BasicHttpBinding_DynamicsAXCommunicatorService</code>	Enables SSL for DynamicsAX Communicator Service.
DynamicsAX Integration Service	<code>BasicHttpBinding_DynamicsAXIntegrationService</code>	Enables SSL for DynamicsAX Integration Service.
Insight Data Service	<code>BasicHttpBinding_InsightDataService</code>	Enables SSL for Insight Data Service.

The changes to the settings apply to TotalAgility `web.config`.

Reporting Server

This section describes the database configuration used by the Reporting Server.

Label	Configuration Setting	Description
Main	MainDBConnectionString	Specifies the Main database connection string for the TotalAgility database server. Note To change a database, change the database name and point to the server where the database resides. Do this for all the databases.
Audit	AuditDBConnectionString	Specifies the Audit database connection string for the TotalAgility database server.
Finished Jobs	ArchiveDBConnectionString	Specifies the Archive database connection string for the TotalAgility database server.
Data Layer	Reads from the table SERVER_DATA of Main database	Specifies the Data Layer database connection string for the TotalAgility database server.
Reporting	ReportingMainDBConnectionString	Specifies the Reporting database connection string for the TotalAgility database server.
Staging	ReportingStagingDBConnectionString	Specifies the Reporting Staging database connection string for the TotalAgility database server.

The changes to settings only apply to `Kofax.CEBPM.Reporting.TAService.exe`.