

Kofax TotalAgility

Configuration Utility Guide

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The KOFAX logo is displayed in a bold, blue, sans-serif font. The letters are thick and closely spaced, with a consistent weight throughout the word.

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Table of Contents

| | |
|---|----|
| Preface..... | 5 |
| Related documentation..... | 5 |
| Training..... | 6 |
| Getting help with Kofax products..... | 6 |
| Run the Configuration Utility in docker mode..... | 7 |
| Run the Configuration Utility without docker..... | 7 |
| Configuration settings..... | 9 |
| On-premise..... | 9 |
| Common | 9 |
| Web..... | 10 |
| App..... | 11 |
| Core Worker..... | 12 |
| Export Worker..... | 14 |
| Transformation Server..... | 15 |
| Streaming..... | 16 |
| Job Thread Pool..... | 17 |
| On-premise multi-tenancy..... | 18 |
| Common..... | 18 |
| TMS (Tenant Management System)..... | 19 |
| Web..... | 19 |
| App..... | 20 |
| Core Worker..... | 21 |
| Transformation Server..... | 23 |
| Streaming..... | 24 |
| Job Thread Pool..... | 25 |
| Transformation Server only..... | 25 |
| Common..... | 25 |
| Transformation Server..... | 26 |
| Real Time Transformation Service..... | 27 |
| Transformation Server..... | 28 |
| Integration Server..... | 29 |
| Web..... | 29 |
| Core Worker..... | 29 |
| Streaming..... | 31 |

Reporting Server.....32

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/7.6.0-d4fslp3xvr/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-Tenancy 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 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.

Run the Configuration Utility in docker mode

You can choose to run the utility in the docker mode or manually copy the utility onto each server where the configuration settings are to be modified.

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

Note 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`.
3. On prompt, click **Yes** to run the configuration utility in the docker mode.

If you click No, the utility can be run to modify the settings based on the deployment type.

The Configuration window displays the settings that are grouped by tabs based on the deployment type. The settings that are common across multiple configuration files are displayed on the Common tab.

4. Click each tab and make the changes as needed.
5. Click **Save**.
The configuration files are updated with the modified settings.
6. Click **Yes** to confirm automatic restart of the services.

Run the Configuration Utility without docker

The TotalAgility Configuration Utility is available on the installation media. You must manually copy the utility onto each server where the configuration settings are to be modified. The utility allows you to modify or update settings across multiple configuration files at one go instead of editing each file separately.

On running the utility, the settings displayed 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).

When you run the utility to modify or update the settings, 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 |

| Configuration File | Location |
|---|---|
| Agility.Server.Core.Executor.exe.config | ..\CoreWorkerService ..\Agility.Server.Web ..\Reporting ..\Transformation Server |

Note 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).

1. Navigate to `TotalAgility\Utilities\Configuration Utility` on the installation media. A message appears to confirm stopping the services before modifying the settings.
2. Copy the file to the TotalAgility server and run `KTAConfigurationUtility.exe`.
3. Confirm whether you wish to shut down all the services automatically.

Note We recommend that you choose shutting down the services automatically if you want to change the settings. If you just want to view the settings, there is no need to shut down the services.

The Configuration window displays the settings that are grouped by tabs based on the deployment type and installation type. The settings that are common across multiple configuration files are displayed on the Common tab.

4. Click each tab and make the changes as needed. See [Configuration settings](#).
5. Click **Save**.
The configuration files are updated with the modified settings.
6. Click **Yes** to confirm automatic restart of the services.

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. 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. |
| Simulator | SimulatorDBConnectionString | Specifies the Simulator 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. |

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> <div style="border: 1px solid gray; padding: 5px;"> <p>Note This setting is only available for a Web server installation. Provide the HTTPS core services location if you have enabled SSL.</p> </div> |
| 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> <div style="border: 1px solid gray; padding: 5px;"> <p>Note The setting with (value="") means CORS is not enabled.</p> </div> |
| 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. |

| Label | Configuration Setting | Description |
|--|---|--|
| Authentication <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="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>Note 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 Streaming service base address.</p> </div> |

The changes to settings apply to the following configuration files:

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

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 | <code>RecoveryModeSessionId</code> | Used for Federated Security recovery to enable the TotalAgility Designer log on when the user has an issue to resolve in the Federated Security. |
| Transformation Server Port | <code>TSExternalServicePortForSyncProcessing</code> | This setting specifies the port number to access the local Transformation Server instance. The default value is 9001. |
| KCM Server URL | <code>CCMServerURL</code> | Enter the KCM (Kofax Communication Manger) 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 | <code>CCMProxyURL</code> | Specifies the location of the KCM Proxy used by the KCM control to communicate with the KCM server. |

| Label | Configuration Setting | Description |
|---|---|---|
| <p>Authentication</p> <p>Note This setting is only available for a TotalAgility Application server installation.</p> <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> | <p>Specify the authentication mode to be set for the server.</p> <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> |

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 | <code>CoreWorkerIntervalInSeconds</code> | Specifies how often the system should check for the in-memory worker tasks that are due. |
| Database Worker Task Poll Interval | <code>CoreWorkerDBIntervalInSeconds</code> | Specifies how often the system should poll for a due database worker task. |
| Worker Task Timeout Interval | <code>CoreWorkerResetTaskIntervalInSeconds</code> | 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 | <code>CoreWorkerResetActivityIntervalInSeconds</code> | Specifies how often the Core Worker checks for the timed-out activities. |
| Activity Timeout Interval | <code>CoreWorkerActivityTimeoutIntervalInMinutes</code> | 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. |
| 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. |
| 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>. |

| Label | Configuration Setting | Description |
|---|---|--|
| Thread Pool Monitoring Interval | CoreWorkerThreadPoolMonitoringIntervalInSeconds | 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 DeleteItem 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 DeleteItem non-system level worker tasks. The default value is 0. |
| Automatic Activity Pool Name | AutoActivitiesPoolName | This setting specifies the thread pool name for automatic activities. |
| Automatic Activity Pool ID | AutoActivitiesPoolId | This setting specifies the thread pool ID for automatic activities. |

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. |

| Label | Configuration Setting | Description |
|------------------------------------|--|---|
| 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 | <p>Enable Performance counters logging into log file.</p> <p>For more information on performance monitoring counters, see the following guides:</p> <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 | <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> |

| Label | Configuration Setting | Description |
|--|--|--|
| 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. |
| 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. |
| 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. |
| Save | Not applicable | Click Save to save the thread pool. |
| Cancel | Not applicable | Click Cancel to discard the changes. |

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

On-premise multi-tenancy

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 |
|--|----------------------------------|--|
| Data Centers | TenantDBConnectionString | Specifies the Data Center 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. |
| Deployment Type | DeploymentType | Specifies the mode of environment you wish to set up, such as Live or Dev. |
| TotalAgility Host Name Live | TotalAgilityHostNameLive | Specifies the host name for the TotalAgility Live environment. |
| TotalAgility Host Name Dev | TotalAgilityHostNameDev | Specifies the host name for the TotalAgility Development environment. |
| 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`

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. |

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 | Specifies the location for the core services. Note This setting is only available for a Web server installation. Provide the HTTPS core services location if you have enabled SSL. |

| Label | Configuration setting | Description |
|--------------------------------------|-----------------------|--|
| 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. |

The changes to settings apply to the following configuration files:

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

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 log on 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. |
| KCM Server URL | CCMServerURL | Setting specifies the KCM (Kofax Communication Manger) server URL. Enter the KCM Server URL in the following format: http(s)://<CCMServer>:<Portnum>. Provide the IP address and Port number of the KCM server. |

| Label | Configuration setting | Description |
|----------------------|-----------------------|--|
| 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 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. |
| Automatic Activity Pool Name | AutoActivitiesPoolName | This setting specifies the thread pool name for automatic activities. |
| Automatic Activity Pool ID | AutoActivitiesPoolId | This setting specifies the thread pool ID for automatic activities. |

The changes to settings only apply to `Agility.Server.Core.WorkerService.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: $(int) \text{Math.Round}(\text{Environment.ProcessorCount} * 1.25)$ |

| Label | Configuration setting | Description |
|--|--|--|
| 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. |
| 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`.

Streaming

This tab is available for all deployments and installation types.

| Label | Configuration setting | Description |
|---------------------|--|--|
| Base Address | Refers to the baseAddress 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`.

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. |
| Save | Not applicable | Click Save to save the thread pool. |
| Cancel | Not applicable | Click Cancel to discard the changes. |

The changes to the settings only apply to `Agility.Server.Core.WorkerService.exe.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. |
| Simulator | SimulatorDBConnectionString | Specifies the Simulator database connection string for the TotalAgility database server. |
| Staging | ReportingStagingDBConnectionString | Specifies the Reporting Staging database connection string for the TotalAgility database server. |
| Data Centers | TenantDBConnectionString | Specifies the Data Center 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. This setting is only available for a Multi-Tenant Deployment. |
| Deployment Type | DeploymentType | Specifies the mode of environment you wish to set up, such as Live or Dev. Note This setting is only available for a Multi-Tenant Deployment. |

Transformation Server

| 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: $(int) \text{Math.Round}(\text{Environment.ProcessorCount} * 1.25)$ |

| Label | Configuration Setting | Description |
|--|--|--|
| 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. |
| 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. |
| 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. |
| 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. |

| Label | Configuration Setting | Description |
|--|---------------------------|---|
| Process Only Synchronous Activities | SynchronousOnlyProcessing | <p>If selected, specifies that the Transformation Server is only used for Synchronous Capture processing and does not poll for automatic activities.</p> <p>Note This setting is displayed read-only when you select to install TotalAgility in the Real Time Transformation Service mode.</p> |

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 | <p>Specifies the location for the core services.</p> <p>Note Provide the HTTPS core services location if you have enabled SSL.</p> |
| Online Help URL | OnlineHelpURL | Specifies the location for the TotalAgility online help. |

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. |

| Label | Configuration Setting | Description |
|---|--|--|
| 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. |
| 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 |

| Label | Configuration Setting | Description |
|--|---|---|
| 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. |
| Automatic Activity Pool Name | AutoActivitiesPoolName | This setting specifies the thread pool name for automatic activities. |
| Automatic Activity Pool ID | AutoActivitiesPoolId | This setting specifies the thread pool ID 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`.

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. |
| Simulator | SimulatorDBConnectionString | Specifies the Simulator database connection string for the TotalAgility database server. |
| Data Layer | Reads from the table <code>SERVER_DATA</code> 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`.