

Kofax TotalAgility

Configuration Utility Guide

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Table of Contents

Preface.....	4
Related documentation.....	4
Training.....	5
Get help for Kofax products.....	5
Run the Configuration Utility.....	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.....	24
Transformation Server only.....	25
Common.....	25
Transformation Server.....	26
Real Time Transformation Service.....	27
Transformation Server.....	27
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/750-4kcae04o43/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.

Get help for Kofax products

Kofax regularly updates the Kofax Support site with the latest information about Kofax products.

To access some resources, you must have a valid Support Agreement with an authorized Kofax Reseller/ Partner or with Kofax directly.

Use the tools that Kofax provides for researching and identifying issues. For example, use the Kofax Support site to search for answers about messages, keywords, and product issues. To access the Kofax Support page, go to www.kofax.com.

The Kofax Support page provides:

- Product information and release news
Click a product family, select a product, and select a version number.
- Downloadable product documentation
Click a product family, select a product, and click **Documentation**.
- Access to product knowledge bases
Click **Knowledge Base**.
- Access to the Kofax Customer Portal (for eligible customers)
Click **Account Management** and log in.

To optimize your use of the portal, go to the Kofax Customer Portal login page and click the link to open the *Guide to the Kofax Support Portal*. This guide describes how to access the support site, what to do before contacting the support team, how to open a new case or view an open case, and what information to collect before opening a case.

- Access to support tools
Click **Tools** and select the tool to use.
- Information about the support commitment for Kofax products
Click **Support Details** and select **Kofax Support Commitment**.

Use these tools to find answers to questions that you have, to learn about new functionality, and to research possible solutions to current issues.

Run the Configuration Utility

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
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> <p>Note This setting is only available for a Web server installation. Provide the HTTPS core services location if you have enabled SSL.</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.

Label	Configuration Setting	Description
Enable Sticky Sessions	Refers to the <code>sessionState</code> section under <code>system.web</code>	<p>Specifies enabling Sticky Sessions.</p> <p>If this setting is turned on, the session mode is set to "InProc"; else, it is set to None.</p> <p>Note the following:</p> <ul style="list-style-type: none"> Using Sticky Sessions improves the response time for capture users by processing work more efficiently. Sticky Sessions must also be enabled in the NLB cluster for this to work. The Sticky Sessions feature is only available with an all-in-one installation. For example, when both the Application server and Web server are installed on the same computer. <p>Note If the Application server and Web server are installed separately, the Sticky Sessions feature cannot be enabled in TotalAgility.</p>
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>	<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.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.

Label	Configuration Setting	Description
Transformation Server Port	TSExternalServicePortForSyncProcessing	This setting specifies the port number to access the local Transformation Server instance. The default value is 9001.
CCM Server URL	CCMServerURL	Enter the CCM (Customer Communication Manger) server URL in the following format: <code>http(s)://<CCMServer>:<Portnum></code> Provide the IP address and Port number of the CCM server.
CCM Proxy URL	CCMProxyURL	Specifies the location of the CCM Proxy used by the CCM control to communicate with the CCM server.
Authentication <div style="background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <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: #f0f0f0; padding: 5px; margin-top: 10px;"> <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.

Label	Configuration Setting	Description
Database Worker Task Poll Interval	CoreWorkerDBIntervalInSeconds	Specifies how often the system should poll for a due database worker task.
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.
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.
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.
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.

Label	Configuration Setting	Description
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`.

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.
Cross Origin Resource Sharing	CorsAllowedOrigins	Specifies the domains permitted to perform Cross Origin Resource Sharing. 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: <pre><add key="CorsAllowedOrigins" value="http://sub-domain1.sub-domain2.domain1.com,http://domain2"/></pre> To allow ALL domains to have access, configure the setting as follows: <pre><add key="CorsAllowedOrigins" value="*" /></pre> Note The setting with (value="") means CORS is not enabled.
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	TSExternalServicePortForSyncProcess	This setting specifies the port number to access the local Transformation Server instance. The default value is 9001.

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

Label	Configuration Setting	Description
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 <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`.

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.

Label	Configuration Setting	Description
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.

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

Label	Configuration Setting	Description
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.

Label	Configuration Setting	Description
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).
TCP/IP Port Number	Refers to the Port number of the baseAddress under the following section: <code>system.serviceModel/services/service/host/baseAddresses</code>	<p>Specifies the port number of the baseAddress of the Transformation Service.</p> <p>Provide the port number of the Transformation Server.</p>
Enable Online Learning	OnlineLearningExecutionEnabled	If selected, enables processing of the Online Learning task in this Transformation Server instance.
Enable Processing of Synchronous Activities	EnableSynchronousCalls	<p>If selected, enables processing of synchronous "pushed" calls.</p> <p>Note This setting is displayed read-only when you select to install TotalAgility in the Real Time Transformation Service mode.</p>

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`.