



# **Tungsten TotalAgility**

## **MFP Emulator Administrator's Guide**

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**TUNGSTEN**  
**AUTOMATION**

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# Preface

This guide describes how to set up and use the Tungsten TotalAgility MFP Emulator.

! If you are upgrading Tungsten TotalAgility, you must upgrade the emulator to implement the latest security features.

## Training

Tungsten Automation offers both on-demand and instructor-led training to help you make the most of your product. To learn more about training courses and schedules, visit the [Tungsten Automation Learning Cloud](#).

## Related documentation

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

<https://docshield.tungstenautomation.com/Portal/Products/KTA/8.1.0-rmx0b1ux3q/KTA.htm>

In addition to this guide, Tungsten TotalAgility includes the following documentation:

### ***Tungsten TotalAgility Installation Guide***

The *Tungsten TotalAgility Installation Guide* provides installation instructions and other information that helps you successfully set up Tungsten TotalAgility.


### ***Release Notes***

Release notes provides late-breaking product information that may not be included in other Tungsten TotalAgility documentation. The release notes are available for viewing or downloading from the Tungsten website.

## Getting help with Tungsten Automation products

The [Tungsten Automation Knowledge Portal](#) repository contains articles that are updated on a regular basis to keep you informed about Tungsten Automation products. We encourage you to use the Knowledge Portal to obtain answers to your product questions.

To access the Tungsten Automation Knowledge Portal, go to <https://knowledge.tungstenautomation.com/>.

 The Tungsten Automation Knowledge Portal is optimized for use with Google Chrome, Mozilla Firefox, or Microsoft Edge.

The Tungsten Automation Knowledge Portal 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.  
To locate articles, go to the Knowledge Portal home page and select the applicable Solution Family for your product, or click the View All Products button.

From the Knowledge Portal home page, you can:

- Access the Tungsten Automation Community (for all customers).  
On the Resources menu, click the **Community** link.
- Access the Tungsten Automation Customer Portal (for eligible customers).  
Go to the [Support Portal Information](#) page and click **Log in to the Customer Portal**.
- Access the Tungsten Automation Partner Portal (for eligible partners).  
Go to the [Support Portal Information](#) page and click **Log in to the Partner Portal**.
- Access Tungsten Automation support commitments, lifecycle policies, electronic fulfillment details, and self-service tools.  
Go to the [Support Details](#) page and select the appropriate article.

## Chapter 1

# Features

The MFP Emulator can be used to demonstrate Tungsten TotalAgility MFP clients without requiring a physical device to be present, or using specific vendor MFP emulators.

The emulator is a Windows-based application that connects with Tungsten TotalAgility and emulates the front panel of an MFP. It was developed as a custom client using the Tungsten TotalAgility Web Services Connector SDK. You select images to "scan" and process them as if they were scanned at an MFP. The emulator is provided for demonstration and testing purposes only and is not intended for production use.

The MFP emulator has the following features.

- Management through Devices in the Tungsten TotalAgility Designer

MFPs are able to self-register with Devices and automatically activate licenses. (This feature is optional and is not available in cloud configurations.) You can also manually activate, deactivate, or remove MFPs whenever needed. In Devices, you can open the Web page for the MFP if Tungsten TotalAgility can communicate over the network with the MFP.

- Log on

This feature enables you to log on to the device. Logging on may provide additional options. To log off, press Log off.


You can use the split login feature so that users do not have to provide a password to access the device or use their shortcuts.

- Shortcuts

This feature facilitates the sending of documents. In Tungsten TotalAgility Designer, use Device Create New Job to create forms that appear as shortcut buttons on the MFP front panel.

- Scan history

At the MFP, you can press the Scan History button on the main menu to view the scan history. If you are logged on, the history shows transactions you sent to Tungsten TotalAgility from any connected device. If you are not logged on, the history shows transactions sent from all anonymous users on the device, as well as any transactions that are waiting to be sent to the server from the device.

 Some MFP models do not include a Scan History button.

Status	Description
Pending	Submitted but not uploaded to server yet. or Ready to start scanning.
Completed	Successfully sent to destination.

Status	Description
Deleted	User deleted transaction from the inbox, or the administrator removed it during transaction review.

- **Language support**  
At the MFP front panel, you can specify the language. If the language specified is not supported by Tungsten TotalAgility, English is used by default.
- **Form fields**  
You can enter values for form fields at the MFP. When you define forms in Devices, you can enter default values into fields for these shortcuts. The data is also validated for an appropriate type and length. You can also customize the validation and field lookup options.
- **Display confirmation messages**  
You can enable confirmation messages to be sent from Tungsten TotalAgility to this MFP so that users can see status information about their transactions. Messages appear on the MFP front panel when each scanned transaction reaches the server, or if a problem occurs. See the Devices Help for instructions on setting up confirmation messages.
- **Customized validation and lookup options**  
You can customize validation and a variety of field lookup options for forms in the Tungsten TotalAgility Designer. For more information, see Tungsten TotalAgility Help.
- **Device logging**  
Log messages from the device are stored in the Tungsten TotalAgility database. Download the log from Devices by going to the General tab for the device and clicking Download Log.
- **Help**  
Help is available at the MFP touch screen. Users can press the question mark or Help button on the touch screen to view information about the screen.

## System requirements

The primary source of information about supported devices and other Tungsten TotalAgility requirements is the Technical Specifications document. The document is updated regularly, and we recommend that you review it carefully to ensure success with your product.

The MFP Emulator can be run on any computer that has Microsoft .NET Framework version 3.5 or greater installed.

## Image DPI conversion

The emulator will not change the dpi value of the imported images, regardless of any scan settings associated with a destination or a shortcut.

## Chapter 2

# Configuring the emulator

1. Go to the folder when you downloaded and extracted the MFP Emulator software.
2. Run MFP Emulator.exe.  
The emulator starts. The first time it runs, it displays the **Settings** page.
3. In the Settings window, do the following:
  - a. Enter the name or IP address for Tungsten TotalAgility.
  - b. If Tungsten TotalAgility uses a virtual directory, enter the name of the directory in the **Path** field. For example, if you are using the default path for an on-premise deployment of Tungsten TotalAgility, enter TotalAgility. If you are using Tungsten TotalAgility in a Software as a Service environment, leave the field blank.
  - c. Select the protocol for the connection from the network scanner to Tungsten TotalAgility. The default protocol is HTTP.
  - d. Enter the port for the connection.

**i** If you do not specify a port for HTTP, port 80 is used. For HTTPS, enter port 443.
  - e. Select the language you want to use.
  - f. Select the scanner settings to emulate, including color mode, resolution in dots per inch (dpi), and duplex mode.
  - g. For accessibility, select the option to display text instead of animation.
  - h. Click **OK**.  
The main menu appears.
4. Verify that the emulator self-registered and applied the default device profile. If it has not, correct the settings for the emulator in the Devices. See the Devices Help for instructions.

## Sample images for scanning

The folder where you downloaded the MFP Emulator software contains the `SampleImages` folder, which contains images that you can "scan." The `SampleImages` folder opens when you click Scan on the emulator, but you can browse to select supported images to scan.



## Using the emulator

Run the emulator from any Windows computer that has Microsoft .NET Framework version 3.5 installed.

## Configuring split login

Split login enables you to configure an MFP so that a user does not need to provide a password to access the device or shortcuts. At the same time, the device authentication with the server is preserved.

When split login is enabled, the following occurs:

- When users tap Log On on the device, they are prompted for their user name but not their password.
- When users tap on a personal shortcut, they are also not prompted to enter a password, unless it is a DCNJ shortcut or a shortcut configured so that a password is required.

A password is required the first time you use an MFP when Require Authentication for Device Registration is enabled in Devices. When authentication is successful, the device is registered. If split login is enabled, users are not prompted for a password unless required for a shortcut. If the device is configured for single sign-on (SSO) with the server, a password is not required.

Follow these steps to configure split login in Tungsten TotalAgility. See the help for more details.

1. Configure the process so that it uses split login.
  - a. In Tungsten TotalAgility Designer, open the process and select the activity you want to configure.
  - b. Open the **Extended Properties** for the activity.
  - c. Click **Advanced**.
  - d. Set the **MFP Ready** field to **MFP Only - No Password Required**.
  - e. Accept the changes and complete your changes to the process.
2. Configure the device to use split login.
  - a. In Tungsten TotalAgility Designer, select **System Settings > Devices**.  
The Devices application appears in a browser window.
  - b. Select **Device Profiles**.
  - c. Select the **General** tab, if it has not already been selected.
  - d. In the **Logon** field, select **Allow Split Login**.
  - e. Associate the devices with the profile and make any desired setting changes.
  - f. Save the profile.

## Changing emulator settings

To change the connection information, display language, and scanner setting options, click **Settings**. After you change the settings, click **OK**. The emulator connects to the server and updates configurations.

The emulator Scanner settings are for demonstration purposes only, and are not functional except for the Reset button.

## Chapter 3

# Device profiles updates

When a device profile associated with an MFP changes, the changes are reflected on the front panel of the MFP when it polls Tungsten TotalAgility. This poll occurs when the Tungsten TotalAgility client software button is pressed. To ensure the MFP contains the most current device profile information, do the following:

- Make changes to device profiles when there is low user activity, such as at night.
- Set the Auto Logout Time to a short period, such as 60–180 seconds, so that the next user who presses the Tungsten button retrieves the latest profile.

## Chapter 4

# Removing the emulator

To remove the emulator, delete the folder where you downloaded and extracted the MFP Emulator files and all its contents.