blueprism®
Software Robots - the Virtual Workforce

Blue Prism

Guide to Modifying Fonts

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1. Introduction

This document is a guide to modifying fonts used for Surface Automation in Blue Prism v5.0. The modification of fonts involves adding characters or groups of characters to the font to make character recognition more precise, allowing for OCR operations to function without error.

This guide assumes you have a basic familiarity with Surface Automation and text recognition, and only seeks to help correct cases where default fonts fail to recognize portions of the text.

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2. Installation and Setup

All the necessary components are already installed in any Blue Prism install. This process uses the Application Manager (including Region Editor and Font Editor), as well as some basic direct editing of the font file.

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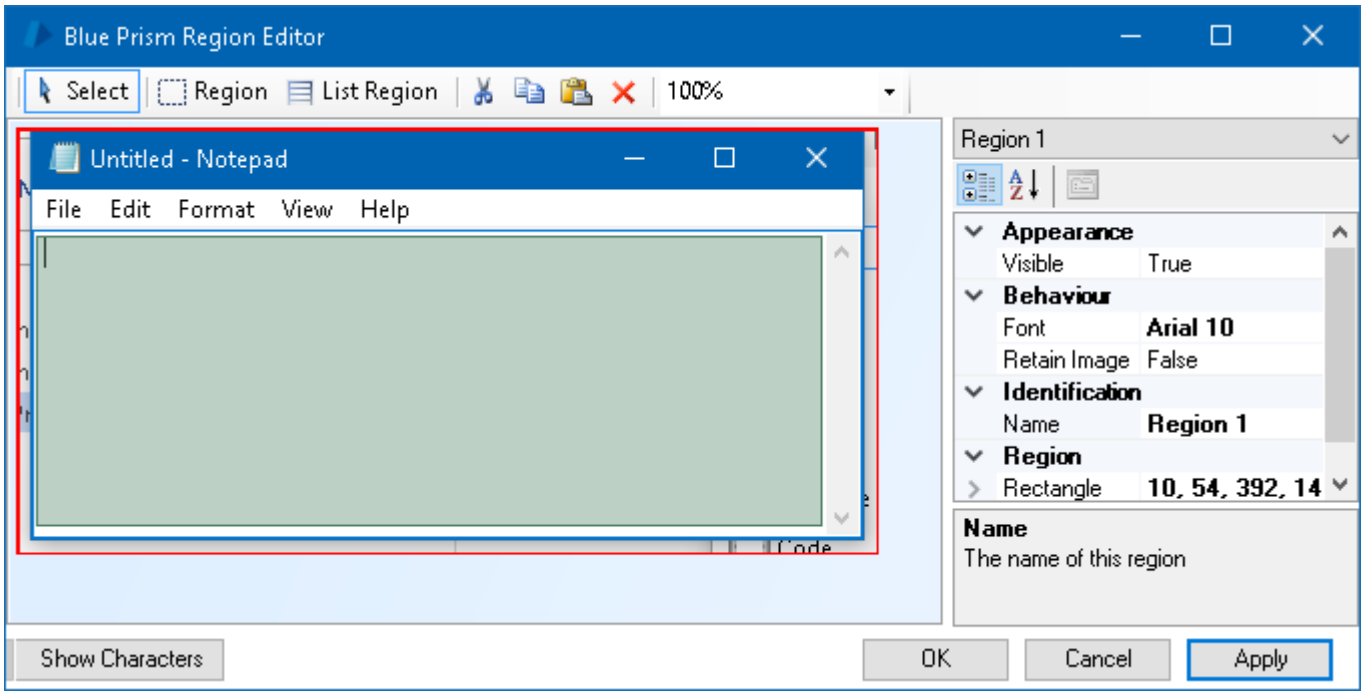
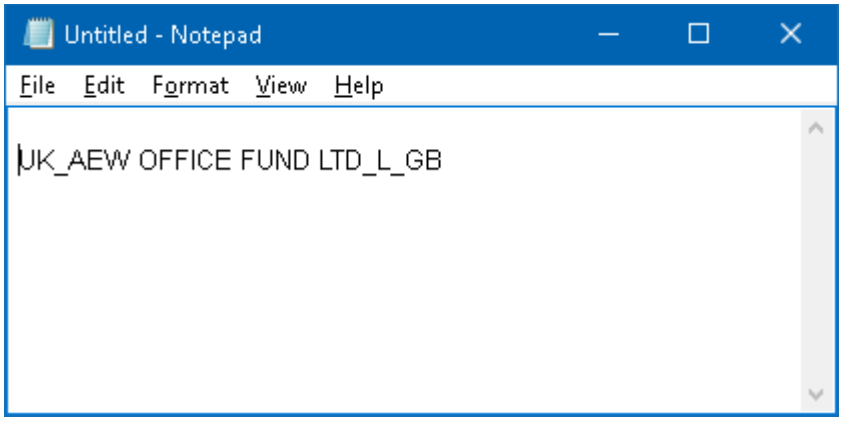
3. Process

The basic setup for our example

1. Create your VBO.
2. Using Application Modeller:
    a. Define your application (for our example, Windows Notepad).
    b. Spy your region.
    c. Define the region font (for our example, Arial 10).



3. Put text into the application (For our example, the string “UK_AEW OFFICE FUND LTD_L_GB”).



4. Use a process to recognize the text (for our example, an extremely basic process with a single Read stage and a single Data stage).

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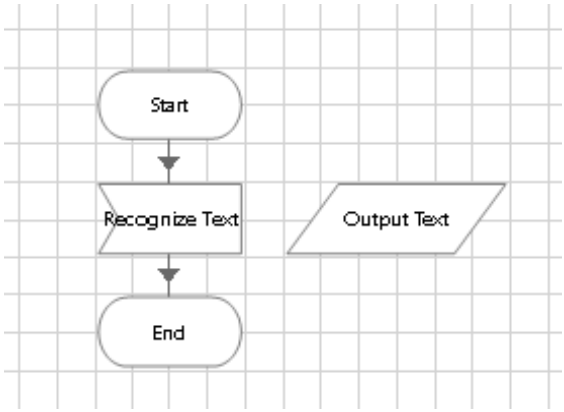
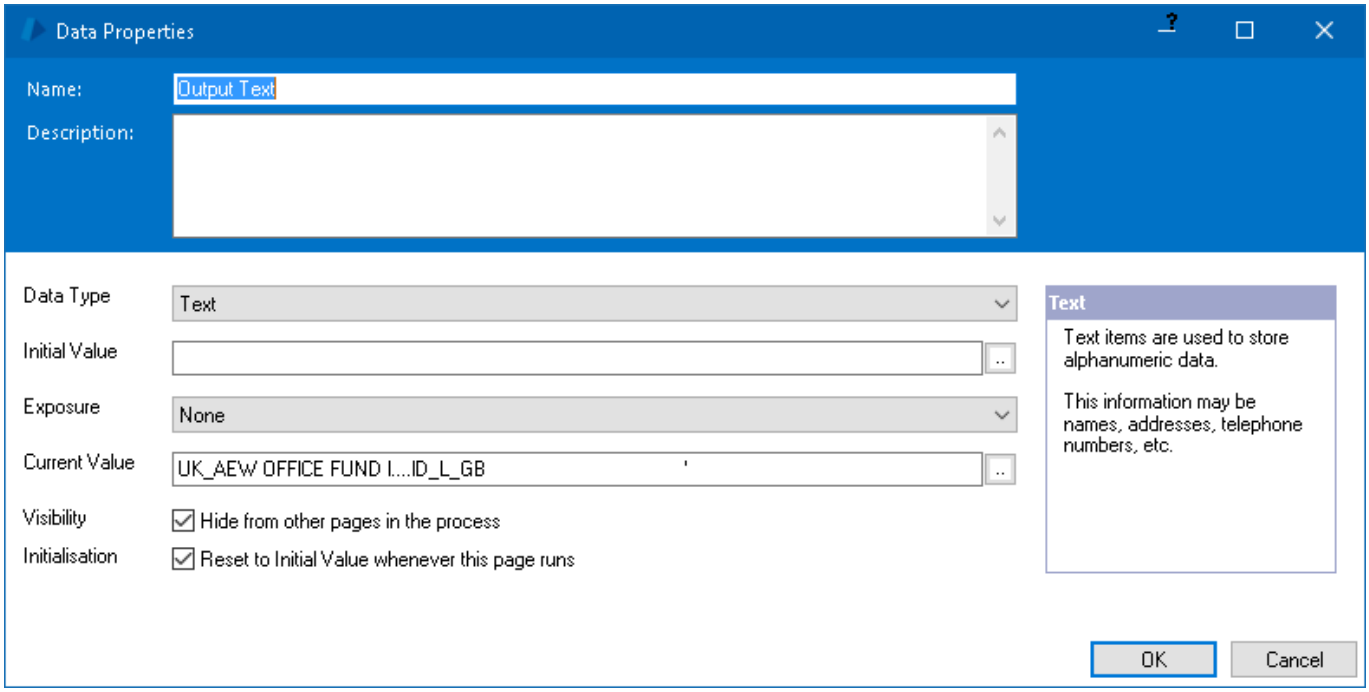


5. The recognition has failed – the recognized string does not match the entered text!



At this point, we are ready to correct the error. You correct this error by modifying the font Blue Prism is using – adding character combinations such that it can correctly recognize the string.

1. Open up the Application Modeller -> Region Editor, using a new screen-shot of the application with the string that was not read correctly.

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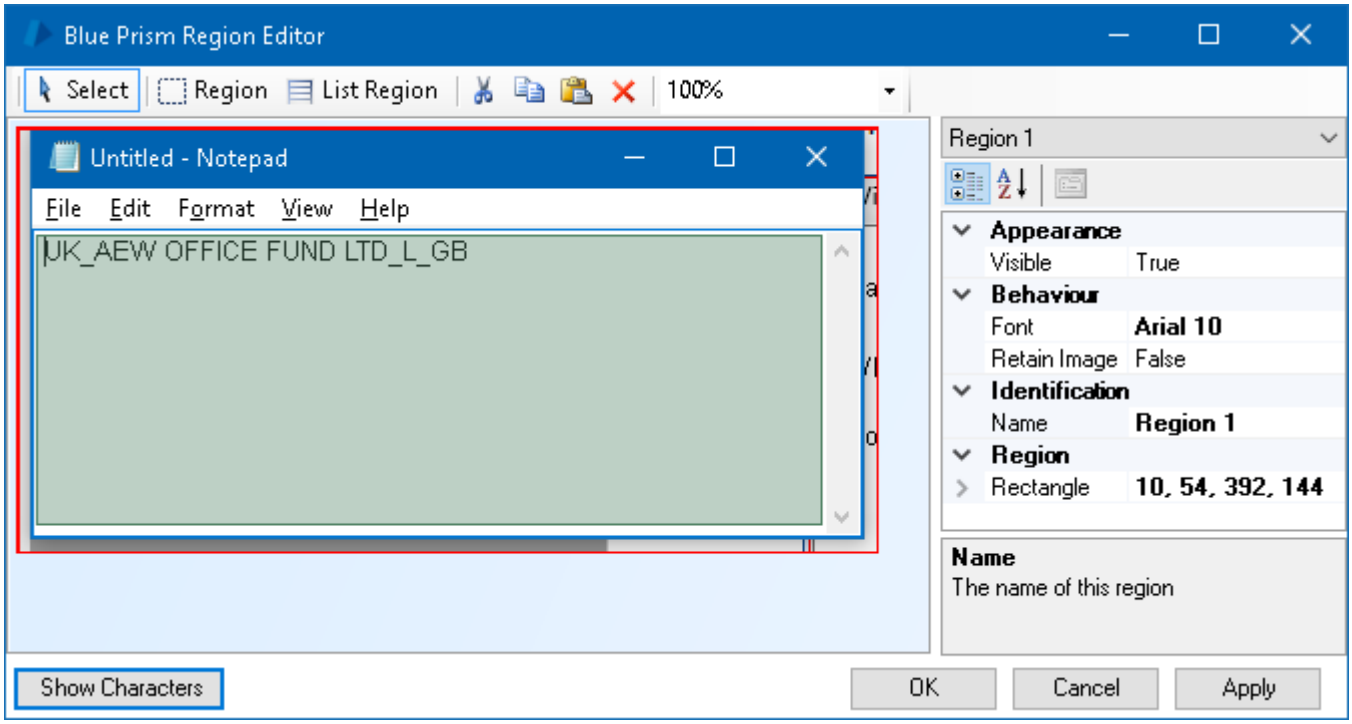
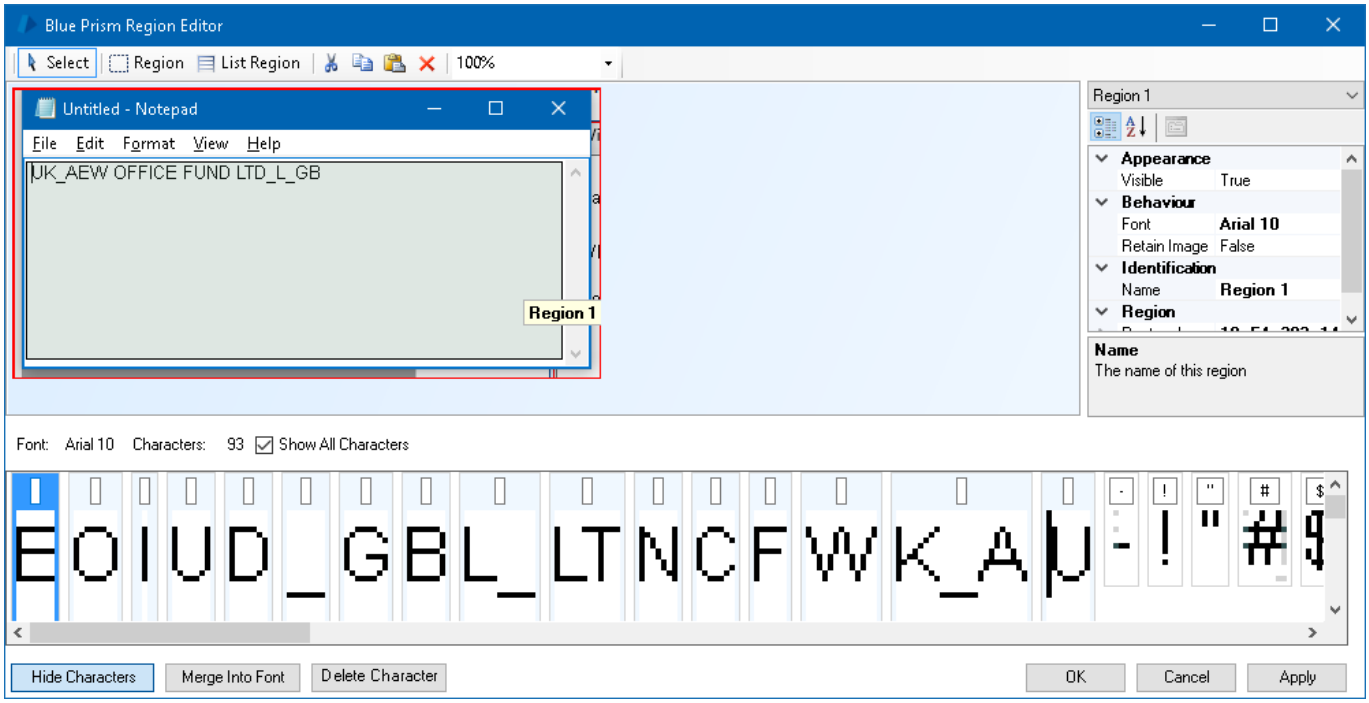


2. Click “Show Characters”.



3. Select the character or character grouping that is being incorrectly identified, and enter the correct combination in the box above it (it may be necessary to copy/paste for multiple characters).

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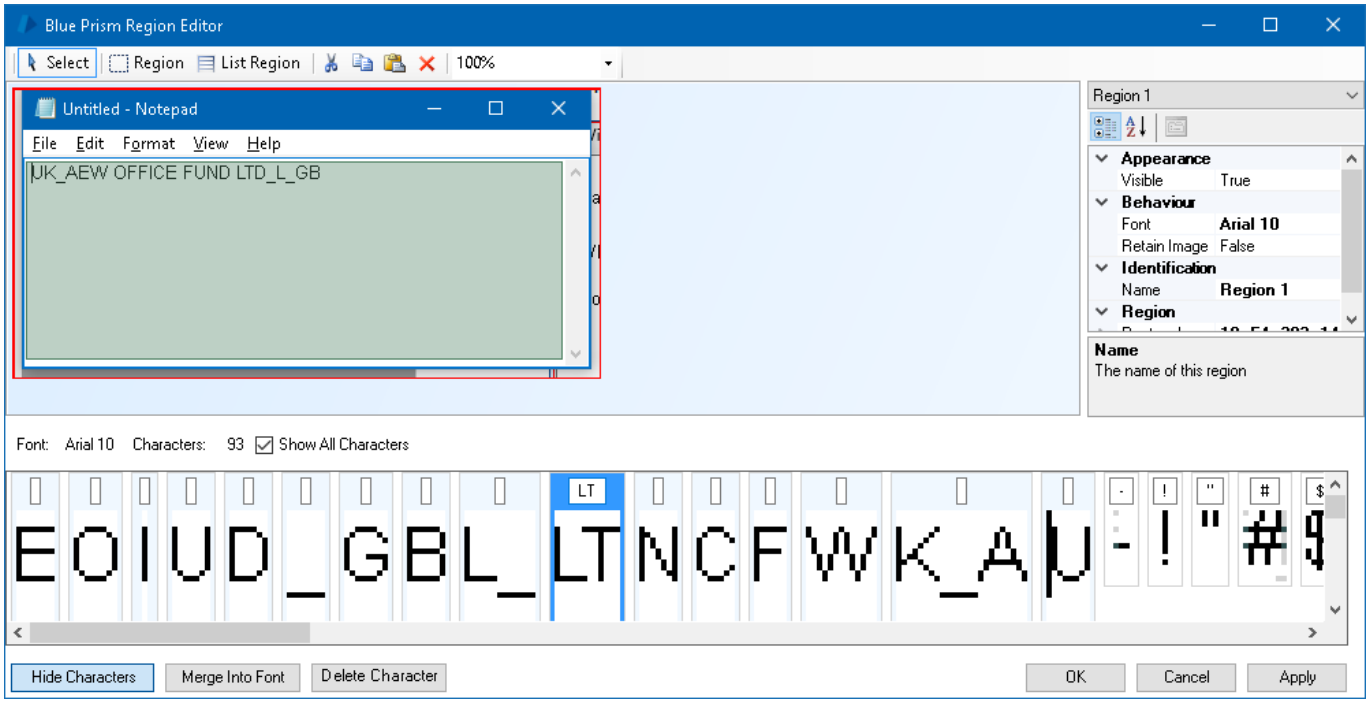
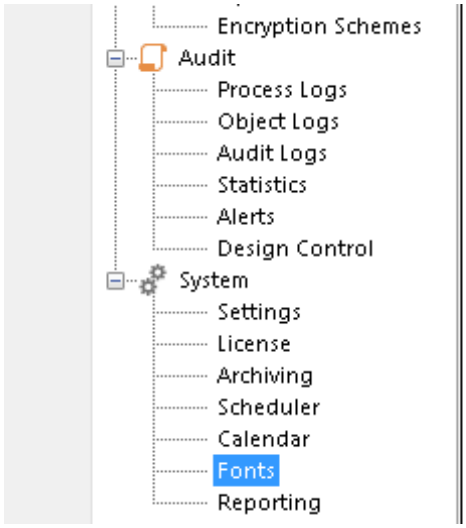
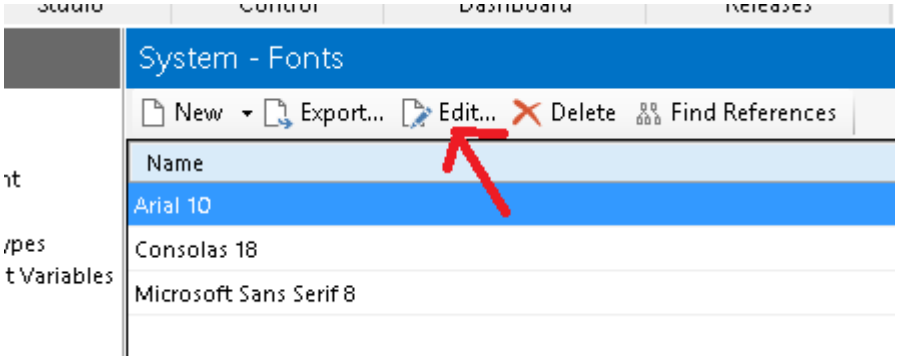


4. Click “Merge Into Font”, then hit “OK”/”Apply” as many times as necessary to close the Application Modeller.

5. Go to System Manager, go to the bottom of the tree, and select “Fonts”.



6. Select the font you just modified and hit “Edit”.



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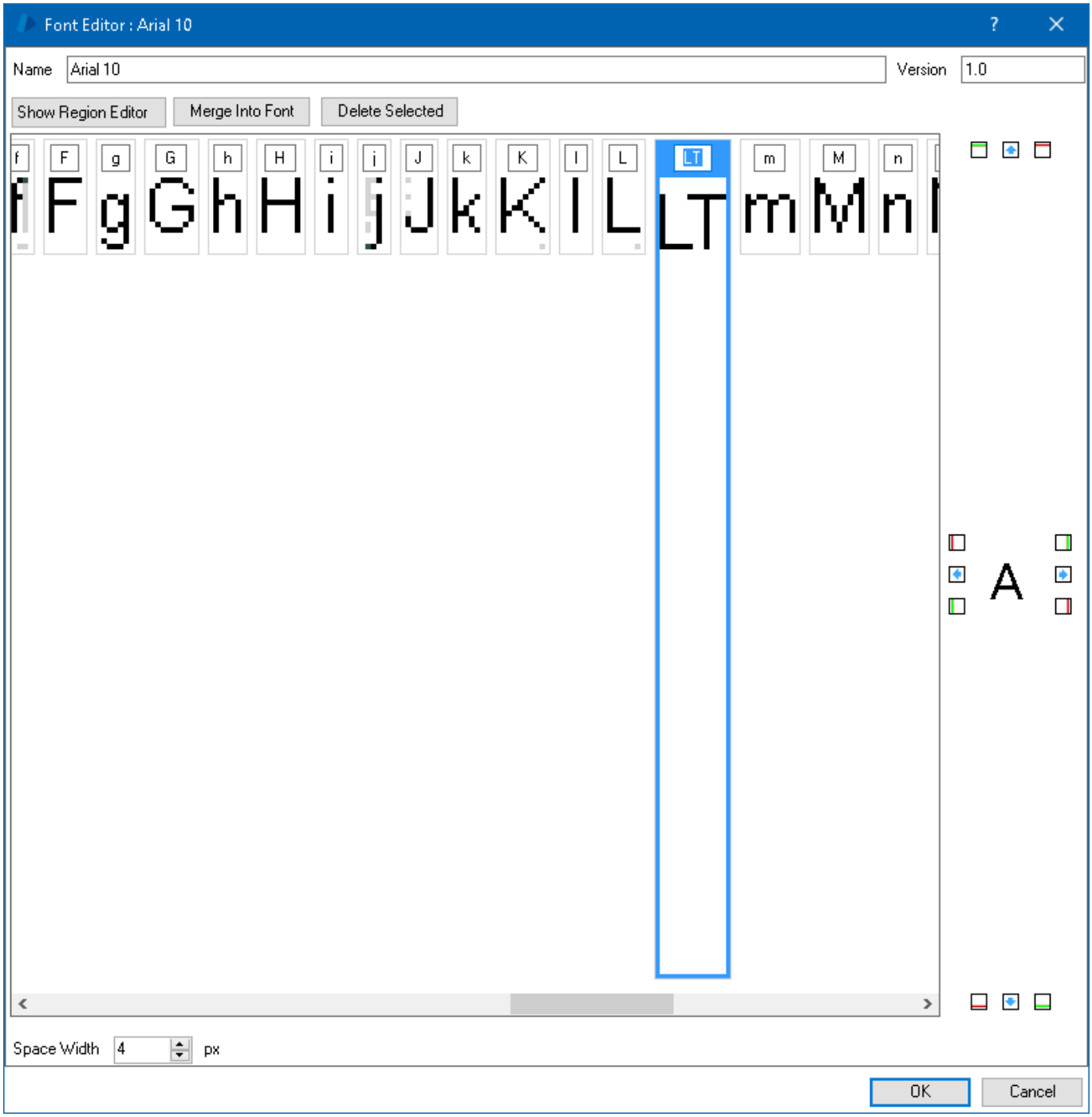
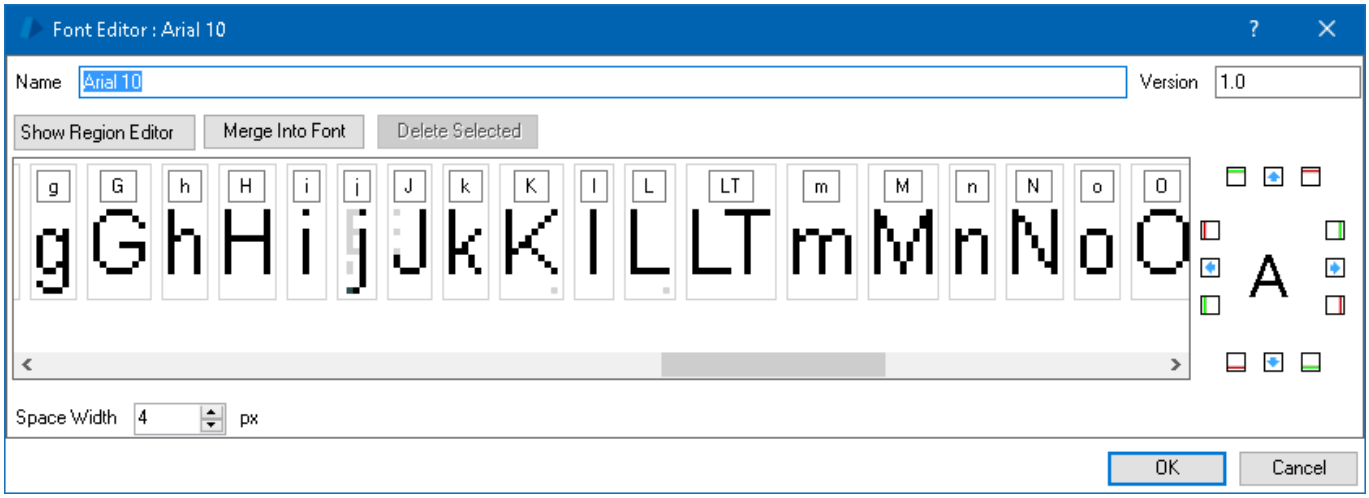
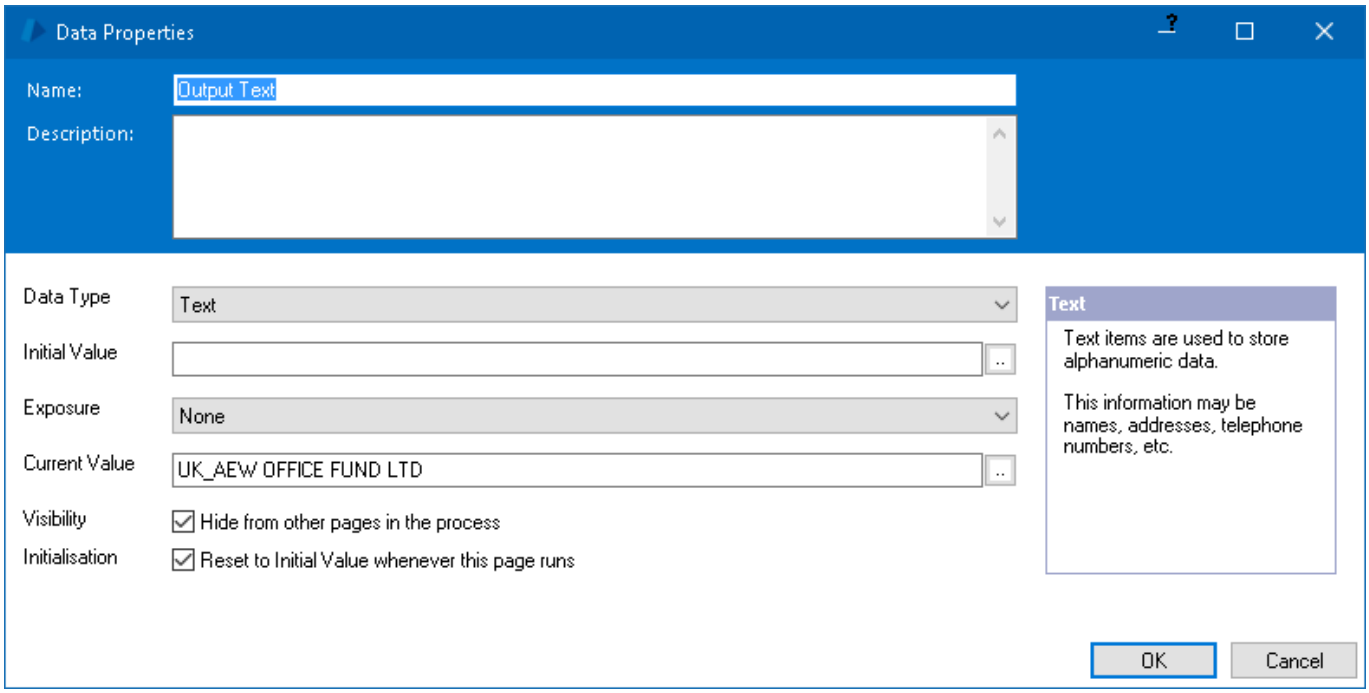
7. Find the newly added character, and use the “Move”, “Trim” and “Pad” controls to remove any padding and bring it in line with other characters.





8. The font can now be used to re-run the text recognition and identify the correct string.



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