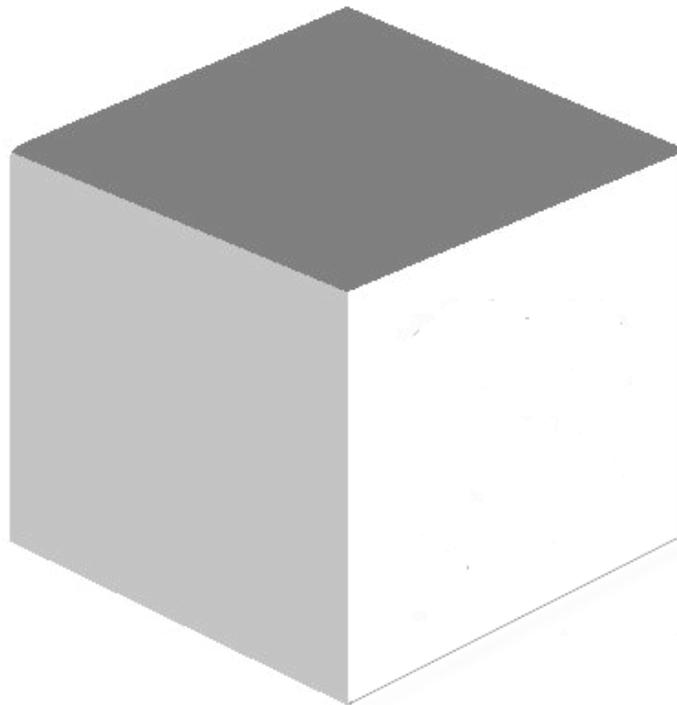


ShipExec Local Printer for Raw Printing Configuration Guide



September 8, 2020

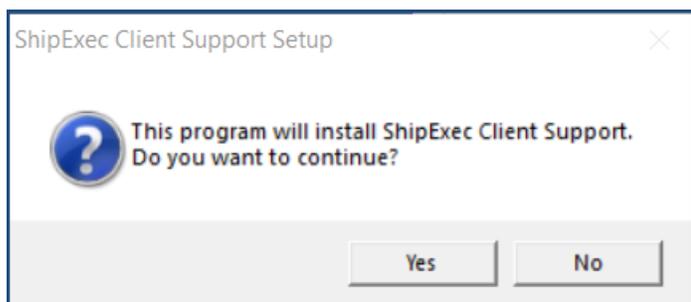
Version 2.1

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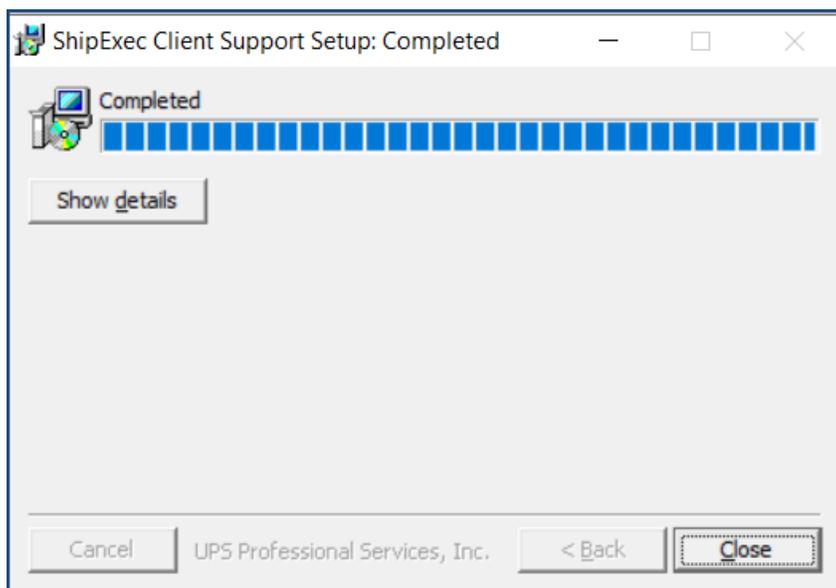
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Step 1: Install Client Support

1. Click this link to download the ShipExec Client Support utility:
https://shipexec.iship.com/Licensing/Files/Current_Version/ShipExecClientSupportSetup.exe.
2. Click **Yes** to install the utility.



3. Click **Yes** to continue.



4. Click **Close**.
The ShipExec Client Support DLL is now registered on your system.

Note: For more information on the ShipExec Client Support setup installation, refer to the *ShipExec Client Support Service Setup Guide – 2.1*, on the Customer Solutions Documentation tab.

https://shipexec.iship.com/Licensing/Files/Current_Version/ShipExec%20Client%20Support%20Setup%20Guide/html/7f80e441-980a-41c2-bbe4-12b347477696.htm

Note: If you do not have access to the ShipExec licensing page, contact PSISupport@ups.com to obtain the utility.

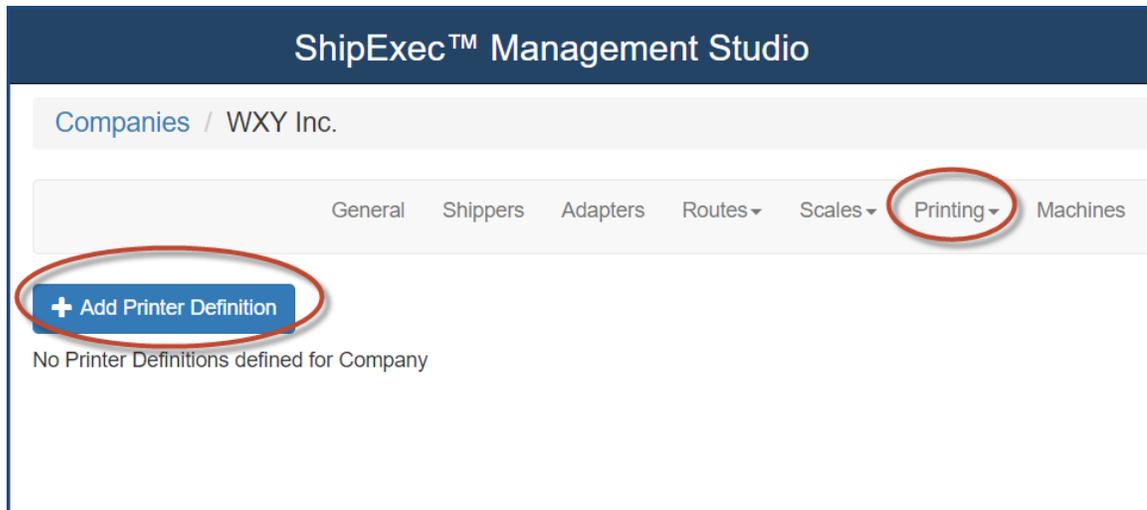
Step 2: Set up Printer Configuration

This section describes how to add a Printer Definition, Document Configuration, and Printer Configuration in Management Studio.

2.1 Add a Printer Definition

Printer Definitions allow you to specify the printer type and other configurations.

1. In Management Studio, click the **Printing** tab and select **Printer Definitions**.



2. Click **Add Printer Definition**.

Add/ Update Printer Definition
✕

Printer Alias

Printer Model

Printer Stock

Printer Direction

Action To Perform

Settings (Optional)

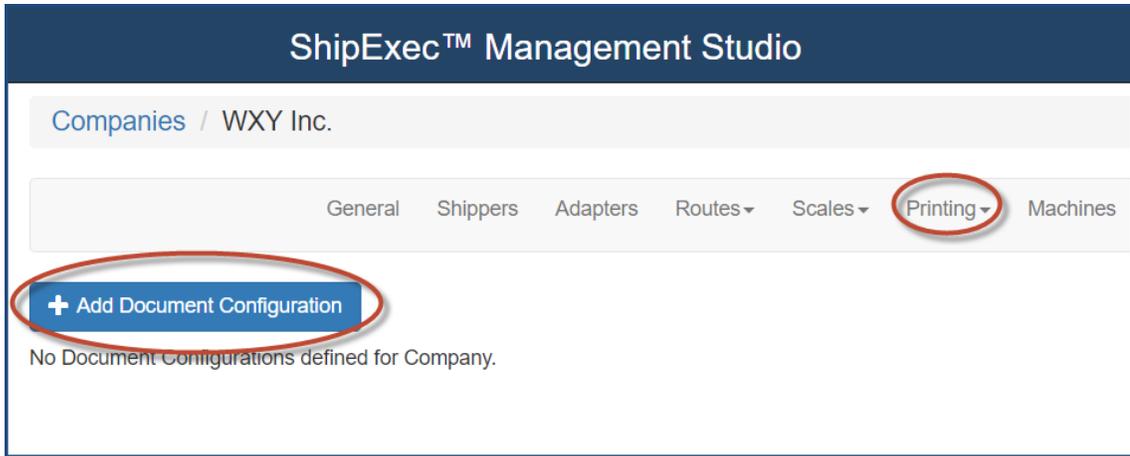
Name	Value
<input type="button" value="Add Setting"/>	

3. Type the printer alias in the **Printer Alias** box. (You can use the alias multiple times to perform multiple actions or to allow for multiple types of printers.)
4. From the **Printer Model** drop-down list, select the printer you will be using. (If generating an image, it is better to use the same Model, Stock, and Direction as your printer.)
5. From the **Printer Stock** drop-down list, select the *4"x 6.5" Thermal Label* printer.
6. From the **Printer Direction** drop-down list, select Top First.
7. From the **Action to Perform** drop-down list, select Raw.
8. Click **Save**.

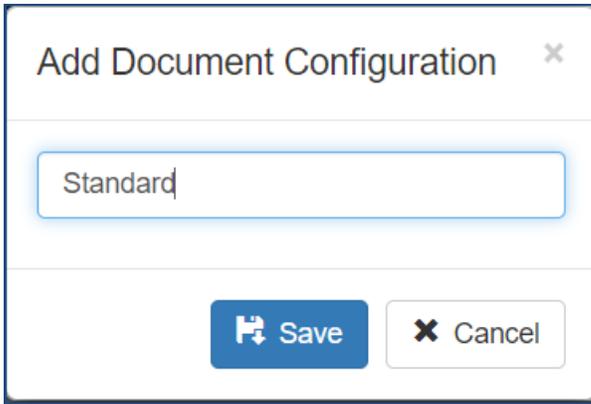
2.2 Add Document Configuration

Document configurations allow you to create a set of documents for printing.

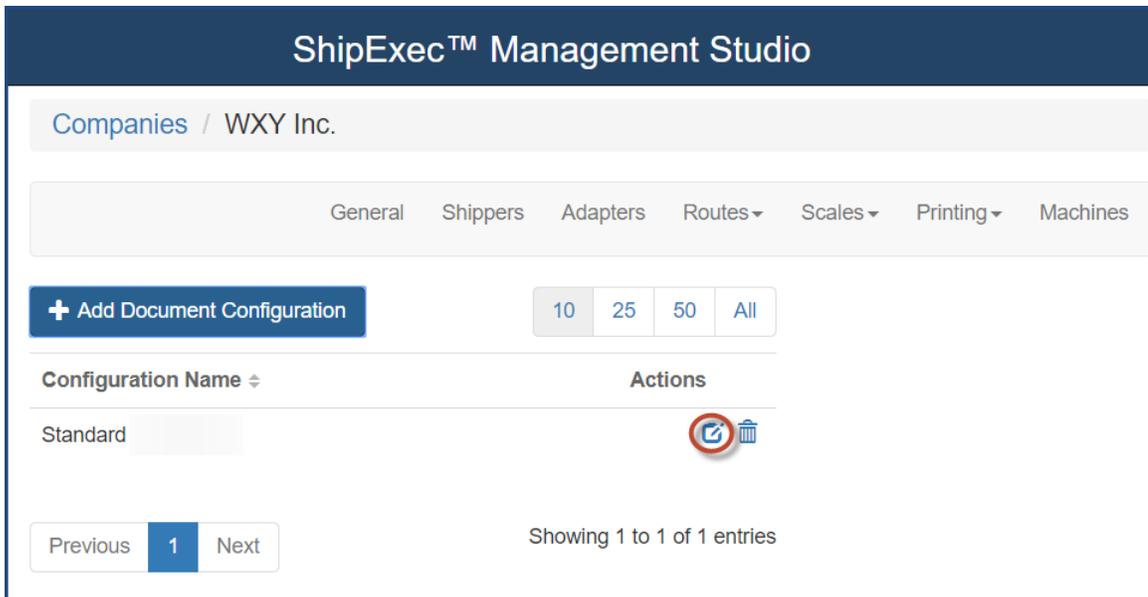
1. In Management Studio, click the **Printing** tab and select **Document Configuration**.



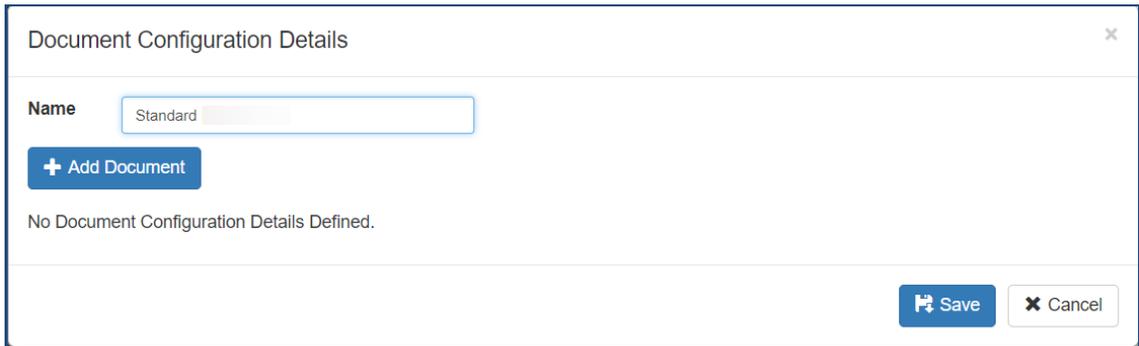
2. Click **Add Document Configuration**.



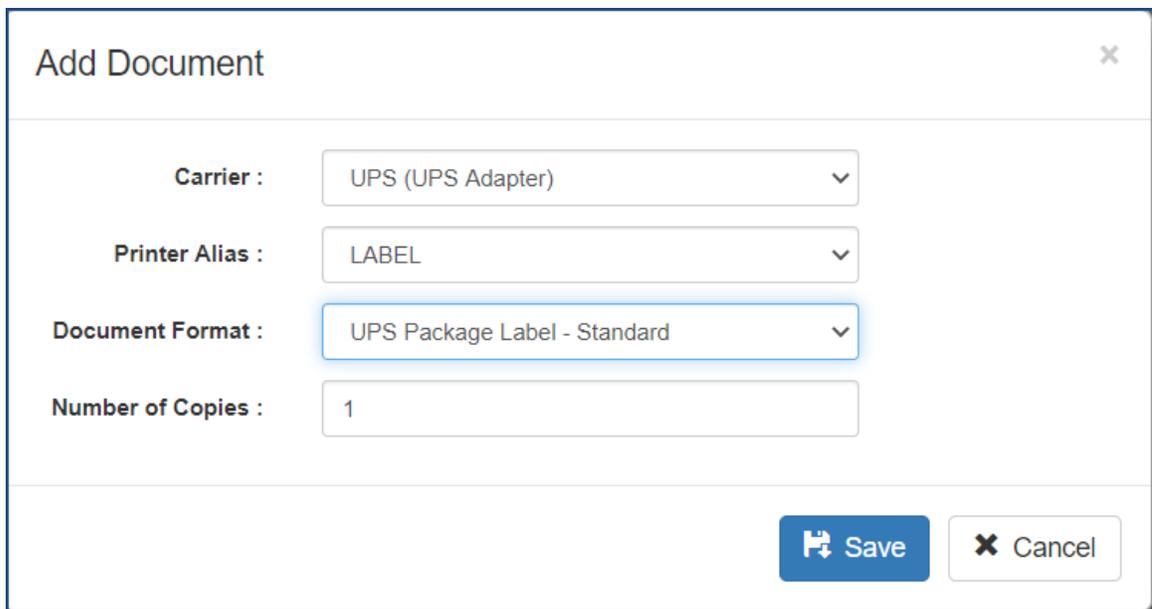
3. Type the name of your document in the provided box.
4. Click **Save**.



5. Click the  icon.



6. Click **Add Document** to add a new document.

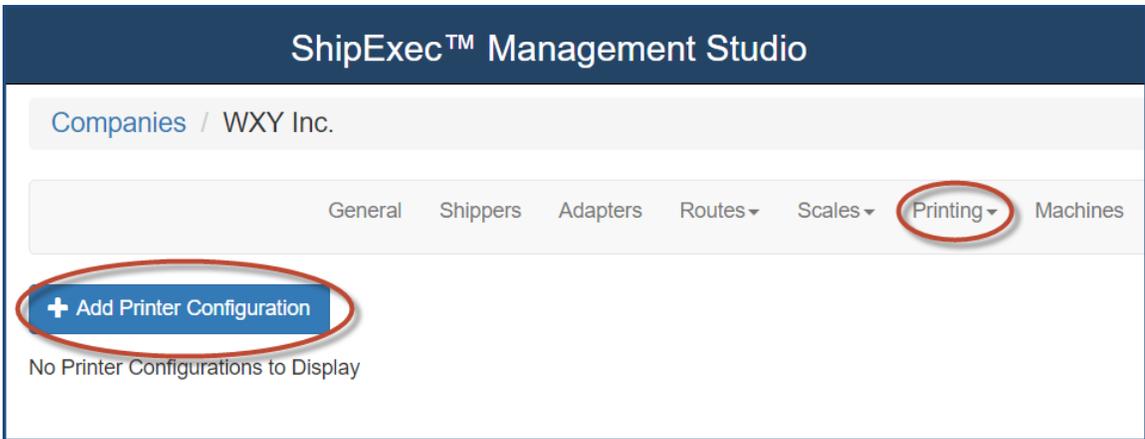


7. Select the **Carrier**, **Printer Alias**, **Document Format**, and the **Number of Copies**.
8. Click **Save**.
9. Repeat steps 6 – 8 to add more documents.
10. Click **Save**.

2.3 Add Printer Configuration

Printer configurations allow you to select printers and define the ports.

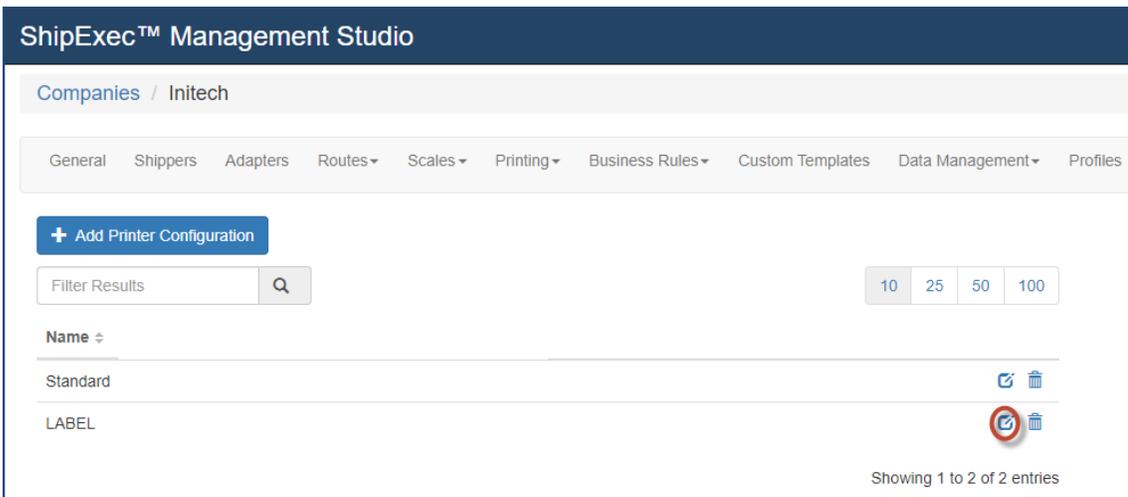
1. In Management Studio, click the **Printing** tab and select **Printer Configurations**.



2. Click **Add Printer Configuration**.



3. Type the name of the printer configuration and click **Save**.



4. Click the  icon to select the printer you want to configure.

This is your local Windows printer name.

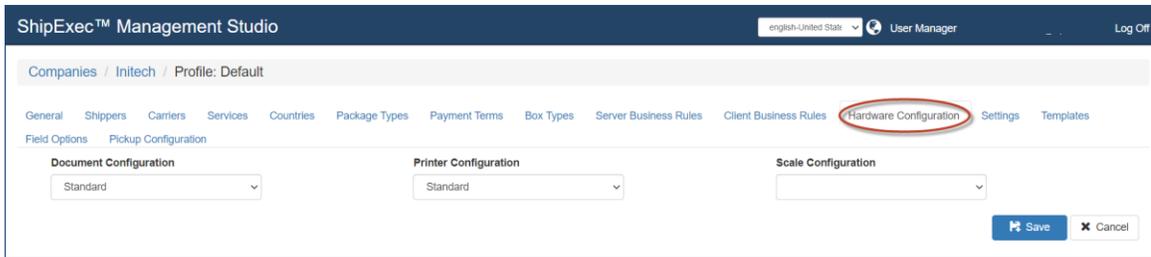
5. Type the local printer name in the **Port Name** box, then click the plus (+) sign to move the printer from **Available Printers** to the **Selected Printers** panel.
6. Click **Save**.

Step 3: Add Profile

Profiles allow you to configure the user experience within the *ShipExec Thin Client*.

1. In Management Studio, click the **Profiles** tab.

2. Click **Add Profile** and type the new profile name or click the  icon to edit an existing profile.



3. Click the **Hardware Configuration** tab.
4. From the **Document Configuration** drop-down list, select the document configuration you want to assign to this profile. (The document you are printing).
5. From the **Printer Configuration** drop-down list, select the printer configuration you want to assign to this profile. (The output you want to print, for example, Image, PDF, and so on).
6. Click **Save**.

Your local printer is now ready for raw printing.

Appendix A

Resetting your Label Printer to Factory Defaults

1. Ensure all printers are named the same according to the Windows driver.
2. Reset all printers to their factory defaults.
Note: *The reset instructions outlined below are for the Zebra ZP450 printers. Please consult your printer manual for other models and manufacturers.*
To reset your Zebra ZP450 printer:
 - a. Hold down the feed button until it blinks 4 times.
 - b. Once it's done, hold it until it blinks twice.
3. Deploy the Client Hardware Support Service to all the end-user machines. To deploy:
 - a. <TBD>

Setting your Zebra Printer's Print Attributes

Note: *This Business Rule is optional. Apply the Business Rule if you need to reset your Zebra printer default settings but lack the Zebra tools locally to make the changes. Applying the Business Rule resets the density settings to ensure the label prints darker.*

1. Copy the following code into the active rule set:

```
// ucs-2 string to base64 encoded ascii
function utoa(str) {
    return window.btoa(unescape(encodeURIComponent(str)));
}

// base64 encoded ascii to ucs-2 string
function atou(str) {
    return decodeURIComponent(escape(window.atob(str)));
}

this.PrePrint = function(doc, localPort, viewModel){
    // WORKAROUND for bug where printer profile doesn't send optional
    settings
    // attach control string to set defaults to start of document string
    if((doc.DocumentSymbol == 'UPSAPI.UPS.PACKAGE_LABEL.STANDARD') &&
    doc.RawData) {
        var printerDefaults = "^XA^LH0,0^XSY,Y^MD30^XZ\n";
        var oldraw = atou(doc.RawData[0]);
        var newraw = printerDefaults + oldraw;
        doc.RawData[0] = utoa(newraw);
    }
};
```

2. In each relevant profile, navigate to **Client Business Rules** and enable the **Pre-Print** rule.