



INTERSOFT

Intelligent Shipper

Print Harvester User Guide

Version 6.0

PUBLIC

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1. Introduction

The Print Harvester functionality allows you to relay shipment details by transferring data files from a computer or network location to Intelligent Shipper for automatic processing and creation of shipments.

2. Installing Print Harvester

1. To install the Print Harvester application, you will first need to download the executable file.
 - To download Print Harvester for use in the Sandbox environment, use the following link: <https://test.intelligentshipper.net/downloads/releases/printharvester/setup.exe>
 - To download Print Harvester for use in the RMLS Live environment, use the following link: <https://rmls.intelligentshipper.net/downloads/releases/printharvester/setup.exe>
 - To download Print Harvester for use in the RMLS2 Live environment, use the following link: <https://rmls2.intelligentshipper.net/downloads/releases/printharvester/setup.exe>
 - To download Print Harvester for use in the Intelligent Shipper Live environment, use the following link, where 'Sitename' is the name of your Intelligent Shipper system: <https://Sitename.intelligentshipper.net/downloads/releases/printharvester/setup.exe>
2. When prompted, select to run the executable file.
3. The executable will run and the Print Harvester application will be installed on your PC.
4. Once Print Harvester is installed the settings screen will open automatically, allowing you to configure the application.
5. The settings screen can also be opened at any time by right-clicking on a small icon that will appear in the system tray, as shown in the picture below.

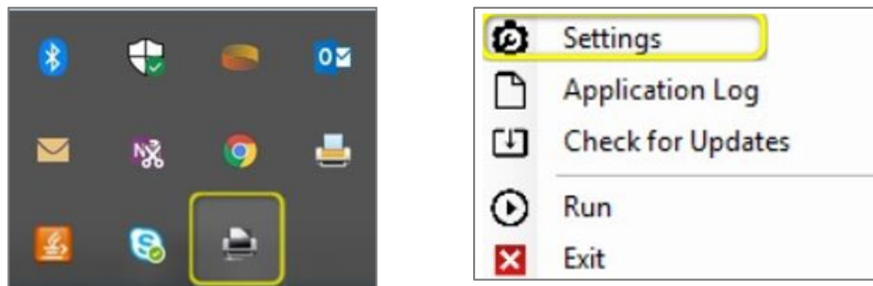


Figure 1 - Open Print Harvester Settings

6. Once Print Harvester is installed, or when the Settings option is selected, the Settings screen will open.

Settings

Folders

Scan Folder

C:\PrintHarvester\Scan

Browse

Scan File Extension

csv

Header

☐

Response Folder

C:\PrintHarvester\Response

Browse

Response File Extension

csv

Response File Type

CSV

Printing

Print Direct

☒

Printer

HP Officejet Pro X476dw MFP UPD PCL 6

Silent Print

☐

Profile ID

API

URL

http://int-web04/ishipperRMLWebSystemTest/api/v1.6/printharvester

API User ID

Password

Account Code

Import Profile

Import Action

Print

Version 1.0.11

Save

Close

Figure 2 - Print Harvester Settings Screen

3. Configuring Print Harvester

Once the Print Harvester application has been installed you then need to configure your settings.

3.1. Scan Settings

1. When the application is installed, it creates default scan & response folders on the local system, e.g. "C:\PrintHarvester\Scan". You can use this default location or change the scan folder to a location of your choice by selecting "Browse".
2. The application accepts files in all the formats applicable in bulk mailing, i.e. csv, pipe & ascii. The extension csv is automatically populated by default. Do not change the setting from the default, as this is the extension of the Bulk Mailing Template created earlier.
3. If the files you will be importing contain a header row, then select the "Header" tick box.



Figure 3 - Print Harvester Scan Settings

3.2. Response Settings

1. Base64 encoded PDF images of the labels generated from the scanned file will be written to the Response Folder. You can either use the default location or choose a folder of your choice by selecting "Browse".
2. The label can be returned as an XML, CSV, JSON or TXT response. Select your preferred response file type from the Response File Type drop-down list, then update the Response File Extension to match the selected file type.

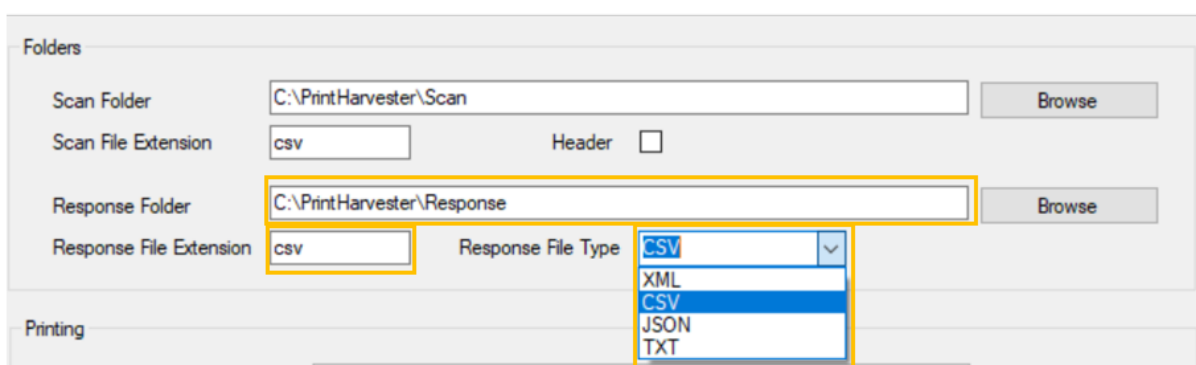


Figure 4 - Print Harvester Response Settings

3.3. Printing Settings

There are 2 print options available to select from:

- a) Print Direct: This option requires you to click a button for labels to be printed. Your current printer settings will be populated in this field by default.

- b) Silent Print: This option will automatically print labels once they are generated, reducing mouse clicks. When this option is selected, the system will silent print the labels as per the preference selected in the silent print profile.

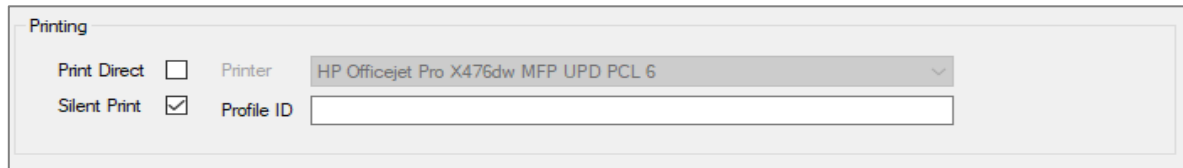
A screenshot of the 'Printing' settings panel. It contains two rows of controls. The first row has 'Print Direct' with an unchecked checkbox, a 'Printer' dropdown menu showing 'HP Officejet Pro X476dw MFP UPD PCL 6', and a 'Profile ID' text input field. The second row has 'Silent Print' with a checked checkbox and the same 'Profile ID' text input field.

Figure 5 - Print Harvester Printing Settings

1. Tick the Silent Print box.
2. To find your Silent Print profile ID, in Intelligent Shipper navigate to Maintenance > Silent Print > Edit Print Profile. Your Silent Print profile ID will then be displayed on screen, as shown in the image below.

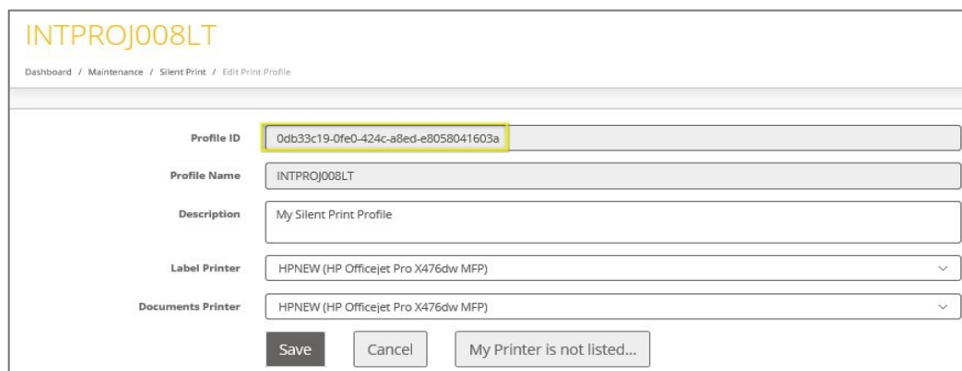
A screenshot of the 'Edit Print Profile' page in Intelligent Shipper. The page title is 'INTPROJ008LT'. Below the title is a breadcrumb trail: 'Dashboard / Maintenance / Silent Print / Edit Print Profile'. The main form has several fields: 'Profile ID' (highlighted with a yellow box, containing '0db33c19-0fe0-424c-a8ed-e8058041603a'), 'Profile Name' (containing 'INTPROJ008LT'), 'Description' (containing 'My Silent Print Profile'), 'Label Printer' (dropdown menu showing 'HPNEW (HP Officejet Pro X476dw MFP)'), and 'Documents Printer' (dropdown menu showing 'HPNEW (HP Officejet Pro X476dw MFP)'). At the bottom are 'Save', 'Cancel', and 'My Printer is not listed...' buttons.

Figure 6 - Silent Print Profile ID

3. Copy the Silent Print profile ID, then paste it into the Profile ID field in the Print Harvester Settings screen.

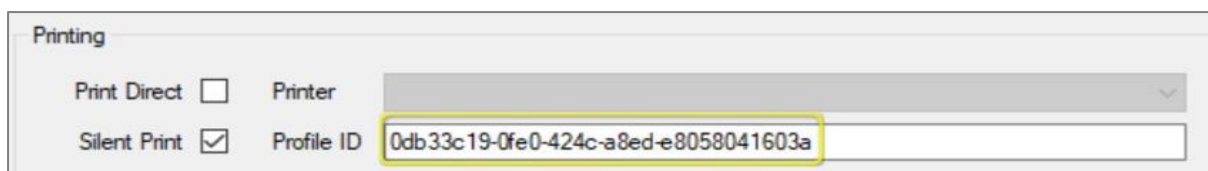
A screenshot of the 'Printing' settings panel, similar to Figure 5. The 'Silent Print' checkbox is checked. The 'Profile ID' text input field is highlighted with a yellow box and contains the profile ID '0db33c19-0fe0-424c-a8ed-e8058041603a'.

Figure 7 - Enter Profile ID in Print Harvester

3.4. API Information

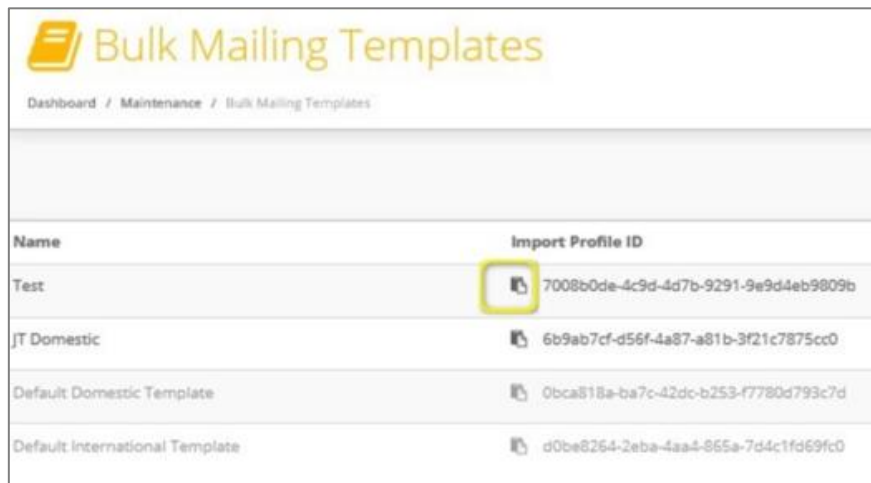
This section will store all the data needed to connect to Intelligent Shipper.

1. The URL field will be populated by default and cannot be changed.
2. API UserID, Password and Account Code will be provided by Intersoft. If you do not already have API credentials or need additional information, please contact techsupport@intersoft.co.uk.

Please Note: API UserID is the User ID that was provided by Intersoft when your Intelligent Shipper API account was created.

Account Code is the Application ID that was provided by Intersoft when your Intelligent Shipper API account was created.

3. Import Profile ID can be found in the Intelligent Shipper Bulk Mailing Templates screen. Navigate to Maintenance -> Bulk Mailing Templates and click the icon next to Import Profile ID to copy the profile ID.







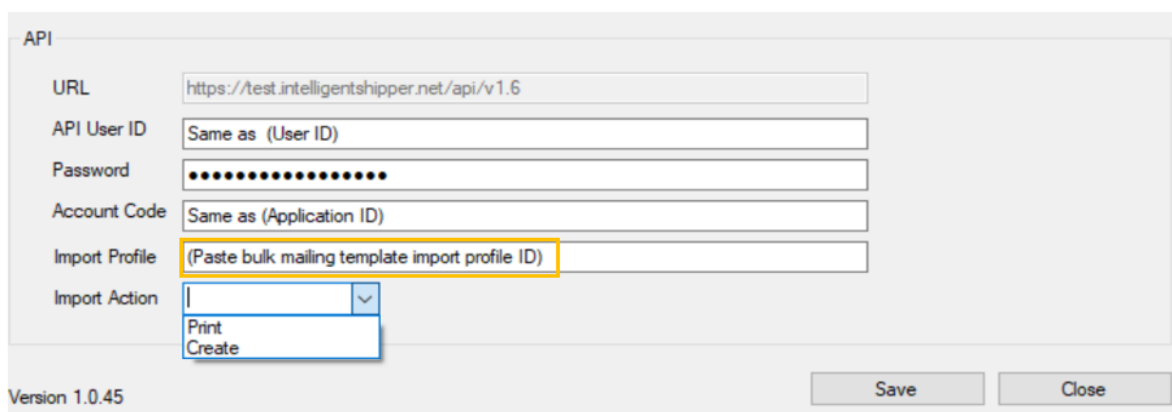
Name	Import Profile ID
Test	 7008b0de-4c9d-4d7b-9291-9e9d4eb9809b
JT Domestic	 6b9ab7cf-d56f-4a87-a81b-3f21c7875cc0
Default Domestic Template	 0bca818a-ba7c-42dc-b253-f7780d793c7d
Default International Template	 d0be8264-2eba-4aa4-865a-7d4c1fd69fc0

Figure 8 - Copy Import Profile ID

4. Paste the import profile ID into the import Profile field of the Print Harvester settings screen.



API

URL:

API User ID:

Password:

Account Code:

Import Profile:

Import Action:

Version 1.0.45

Figure 9 - Enter Import Profile ID in Print Harvester

5. Select your preferred import action from the 2 available options:
 - a) Print: This option will print labels generated from the scanned data file.
 - b) Create: This option will create shipments in Intelligent Shipper's unprocessed state. The shipments will then need to be scanned for the labels to be generated.
6. Once the configuration has been completed click "Save".

4. Run Print Harvester

1. To start transferring files, right-click on the Print Harvester Application icon and then click "Run".
2. To Pause file transferring click "Pause". To resume file transfer after pausing click "Run" again.

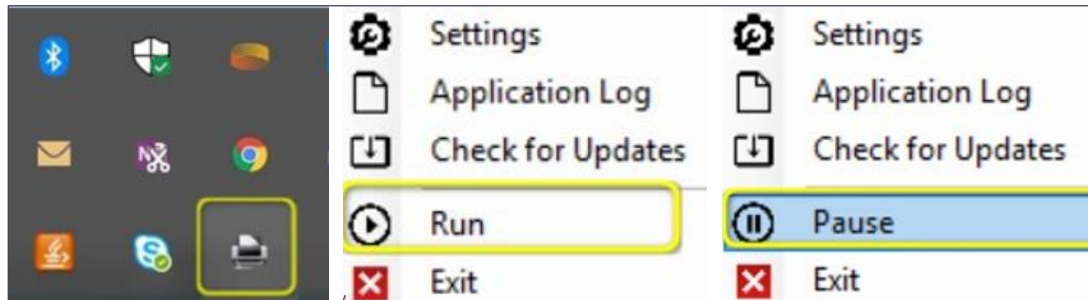


Figure 10 - Run and Pause Print Harvester

4.1. Application Log

This window will keep a log of the days when the Print Harvester application has run.

1. To open the application log right-click on the Print Harvester Application icon, and then click on "Application Log".
2. The Application Log window is then displayed.

Application Log
2018-05-31 16:47:16.0528 Info Application Startup
2018-05-31 16:47:16.7020 Info Application Startup

Figure 11 - Print Harvester Application Log

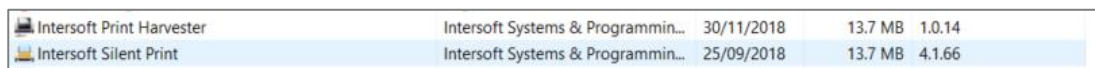
5. Switching from Test to Live Environment

When switching over from Intersoft's Test environment to the Live environment, you will need to uninstall any test versions of the Print Harvester application that were installed during testing before downloading and installing the Live version.

5.1. Uninstalling the Silent Print and Print Harvester Applications

To uninstall the Print Harvester application from your PC, complete the following steps:

- 1) Access Control Panel on your PC.
- 2) Select Programs and Features > Uninstall or Change a Program.
- 3) Locate the 'Intersoft Print Harvester' application from the list and uninstall the applications.



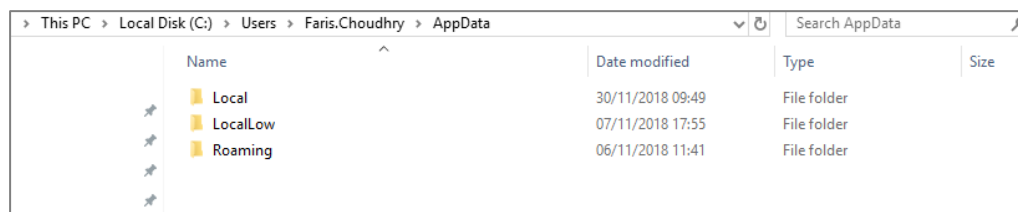
Intersoft Print Harvester	Intersoft Systems & Programmin...	30/11/2018	13.7 MB	1.0.14
Intersoft Silent Print	Intersoft Systems & Programmin...	25/09/2018	13.7 MB	4.1.66

Figure 12 - Silent Print application in Uninstall or Change a Program list

- 4) You will now need to remove the temporary files pertaining to Print Harvester from your PC.
- 5) Access the App Data > Local folder on your PC via the following file path:

C:\Users\User Name\AppData\Local

NOTE: You can also find the App Data folder by searching for %appdata% in file explorer, which will take you to the AppData > Roaming folder, you can then backtrack to the AppData folder and will see Local:



Name	Date modified	Type	Size
Local	30/11/2018 09:49	File folder	
LocalLow	07/11/2018 17:55	File folder	
Roaming	06/11/2018 11:41	File folder	

- 6) Within the Local folder, delete the following folder:
 - Intersoft_Systems_&_Progr > PrintHarvester.exe_URL...
- 7) Check the 'downloads' folder on the PC to see if there exists any version of the App previously downloaded and if so, then delete it

You have now removed the Print Harvester application from your PC. Print Harvester can be downloaded and installed again for use with the Live environment.

Appendix 1 – Print Harvester Example Responses

'txt' Response:

```
File Edit Format View Help
RD100000290GB
Label Printed
280069786999000201987
TT100000140GB
Label Printed
280069786999000201995
TP123456900GB
Label Printed
28006978699900020200F
```

'csv' Response:

A	B	C	D	E	F
Shipper Reference	Tracking Number	Unique ID	Carrier Code	Error Code	Error
2018050612558M1	TT123123120GB	2.8007E+20	RYML		
2018050612558M2	TT100001865GB	2.8007E+20	RYML		
2018050612558M3	TT000300022GB	2.8007E+20	RYML		

'json' Response:

```
{
  "integrationHeader": {
    "transactionId": "105c012429c44ddd9af06299d95b4270",
    "errors": "N"
  },
  "completedShipments": [
    {
      "shipperReference": "2018050612508M",
      "trackingNumber": "TP123456895GB",
      "uniqueId": "280069786999000201971",
      "carrierCode": "RYML",
      "labelImage": "JVBERi0xLjQKJdP0zOEKMSAwIG9iago8PAovQ3Jl",
      "labelImageFormat": "PDF",
      "errorCode": null,
      "error": null
    }
  ]
}
```

'xml' Response:

```
<?xml version="1.0" encoding="utf-16"?>
<relayPrintShipmentResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.w3.org/2001/XMLSchema">
  <integrationHeader>
    <transactionId>0276973b63084c50b495b8c29be9c213</transactionId>
    <errors>N</errors>
  </integrationHeader>
  <completedShipments>
    <completedShipment>
      <shipperReference>2018050612508M</shipperReference>
      <trackingNumber>TP123456873GB</trackingNumber>
      <uniqueId>280069786999000201953</uniqueId>
      <carrierCode>RYML</carrierCode>
      <labelImage>JVBERi0xLjQKJdP0zOEKMSAwIG9iago8PAovQ3JlYXRpb25EYXRlKE
      <labelImageFormat>PDF</labelImageFormat>
    </completedShipment>
  </completedShipments>
</relayPrintShipmentResponse>
```



Print Harvester_txt
response.txt



Print Harvester_json
response.json

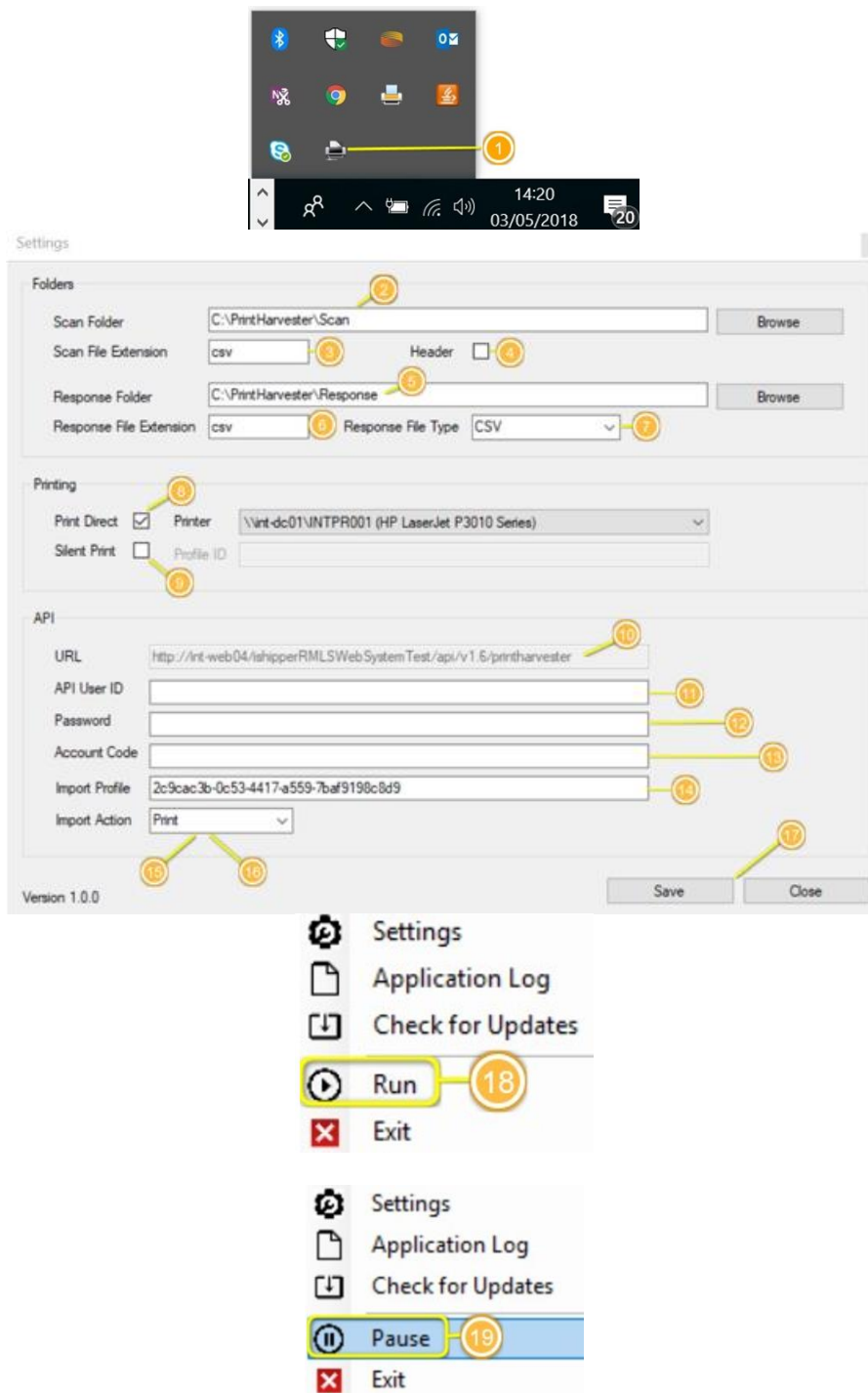


Print Harvester_csv
response.csv



Print Harvester_xml
response.xml

Appendix 2 – Quick Reference Guide Print Harvester



1. Right-Click on Print Harvester icon and select Settings.
2. Select the folder that will contain the file to be transferred.
3. Enter the file extension of the file that will be scanned.
4. If the file has headers, then tick the Header's option
5. Select the folder that will receive the API response.
6. Input the extension of the response that will be saved on Response folder.
7. The API response can be either XML, CSV, JSON, TXT.
8. If Print Direct is selected, then a printer needs to be selected.
9. Silent Print will print automatically once the labels are generated.
10. API URL, no need to change this field.
11. Enter API User ID.
12. Enter password.
13. Enter Account Code.
14. Enter Import Profile.
15. Import Action Print will print labels generated.
16. Import Action Create will not print labels, this will only create shipments to be processed in Intelligent Shipper.
17. Once all settings have been entered, click on save.
18. Click on Run to start transferring files.
19. To pause file transferring click on "Pause".