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Table of Contents

To	able of Contents	4
1	Preface	5
2	Introduction	6
3	Cloud Service Connection	8
4	Configuring Dictionary and default Values	9
	Selecting Default Root folder1	1
	Sub Folder1	.1
	Start Page Index	2
	Divide By	2
	OCR 12	
	Setting up Default File Name & File Name Key Words1	.3
	Setting up File Name Formula1	.3
	Scan Settings	4
5	Operation of File Splitter Workflow Application1	.5
	Folder	.7
	Sub Folder	.8
	Division Method1	8
	Start Page Index	0
	Divide By2	2
	OCR 23	
	OCR Language2	4
	File Name	
	Scan Settings	6
6	Limitations2	9
	File Splitter Limitations	9
	Smart Integration Portal Site Limitations	9
	General Limitations3	0
7	Appendix3	1
	File Name Formula3	
	Sample Formulas	31
	Formula Functions	31

1 Preface

This guide provides the details on how to use the workflow File Splitter.

About This Guide

This guide is divided into following primary sections:

1. Introduction

This section lays the foundation for understanding the workflow specification

2. Cloud Service Connection

This section describes how to service connection with external cloud Services like Box, Dropbox, Google Drive, OneDrive for Business, SharePoint Online

3. Configuring Dictionary and Default Values

This section contains step-by-step instructions on how to configure settings related to File Splitter application in Smart Integration Portal.

4. Operation of File Splitter Application

This section contains step-by-step instructions on how to operate File Splitter application on MFP Operation panel

5. Limitations

Product Limitations

6. Appendix

This section contains additional reference materials

Note: The operation panel screen shot images and User Site images provided in this document are for illustrative purposes only. These images may not reflect the exact image you experience on your multi-functional printer (MFP device).

2 Introduction

What is File Splitter workflow?

File Splitter is a workflow application developed on Ricoh Smart Integration Platform.

This workflow enables users to Scan stack of document and split them into multiple files based on user settings on the operation panel. Files are uploaded to the cloud destination. File is named based on File Name formula configured by default; however, user can enter the filename of their choice. Split files are named as follows.

xyz, xyz(1), xyz(2), xyz(n-1), where 'xyz' is value generated by File Name Formula or file name set by user on operation panel.

Workflow Specification

Folder	Root folder selection
Sub Folder	Sub Folder
	Optional Field, if the Sub Folder does not
	exist it will be created.
Division Method	 Each Pages
	Specified Pages
	Pages Equally
Start Page Index	Available when 'Specified Pages' are
	selected, comma separated page
	numbers to set division based on
Division D	specified pages
Divide By	Number of Pages to be divided equally.
	Example: 2
	Document is divided by every two
OCR	off, PDF, PDFA, WORD, EXCEL
OCK	Default: Off
	Boldon, on
File Name	Optional (If entered, this value is used as
	filename)
	If filename is left blank, filename is
	created using the formula programed in
	User Site (Refer to section 'Configuring
	default Values')
	Data HE was to
	Default Formula:
	MONTH(NOW()) & DAY(NOW()) & YEAR(NOW()) & "-" &
	HOUR(NOW()) & MINUTE(NOW()) & SECOND(NOW())
	Example:
	6212021-16561

Version 1.1

- A. Default values can be configured for Scan settings, OCR, Date format and Division Method.
- B. Sub Folder field can be hidden from the Operation Panel User Interface.

3 Cloud Service Connection

What is Cloud Service Connection?

Before using File Splitter workflow, user need to establish connection (authentication) with Cloud service of choice. As of now following Cloud Services are supported.

- 1. Box
- 2. Dropbox
- 3. Google
- 4. OneDrive for Business [Office 365]
- 5. SharePoint online

For each Cloud Service there is a separate File Splitter application available On MFP Operation Panel.

Refer to Smart Integration Cloud Service Connection User Guide for step by step instructions.

4 Configuring Dictionary and default Values

Smart Integration Portal URL

https://na.accounts.ricoh.com/portal/login.html

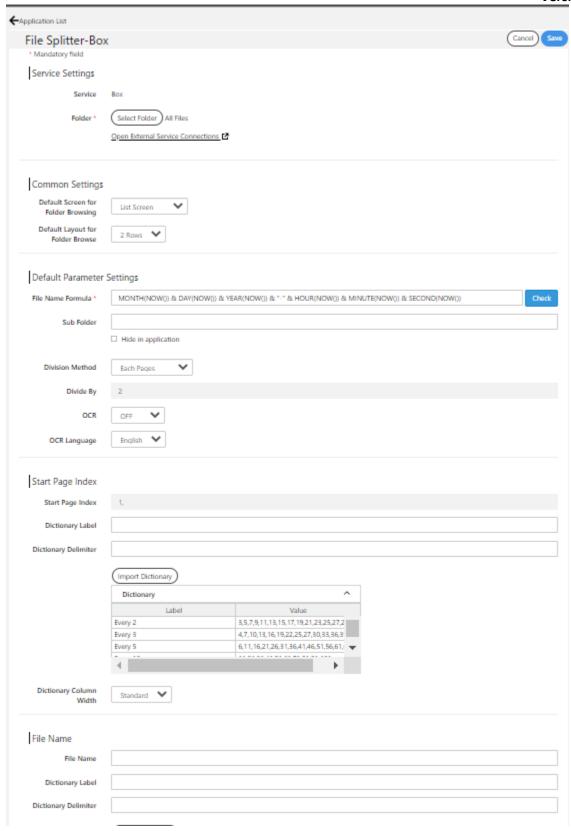
Login to above site using your credentials.



Click on 'Application Settings'

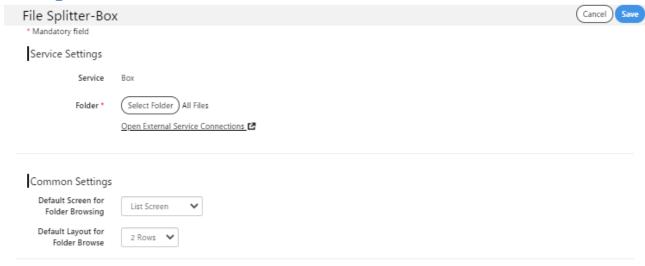


Click on 'File Splitter'. This will display a page where all necessary parameters can be configured.

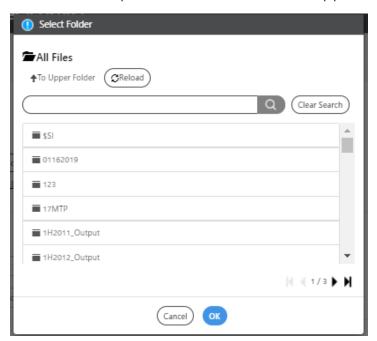


Above settings are available to configure.

Selecting Default Root folder



Click on 'Select Folder' to select required default folder for this application.



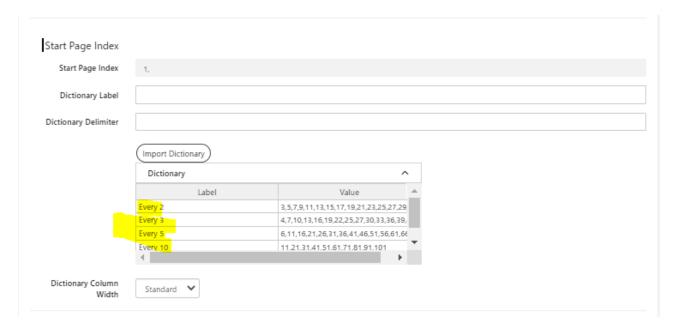
Select required folder and click 'OK'.

Sub Folder



User can enter a Sub Folder name, if the folder does not exist, it will be created under the root folder selected above. These settings can be hidden in operation panel, by checking 'Hide in application'

Start Page Index



Dictionary can be setup to easily select values for 'Specified Pages' selection of File Split parameters.

Divide By



When Division Method is set o 'Page Equally' depending on the value in 'Divide By' document gets split.

Example: Divide By = 2

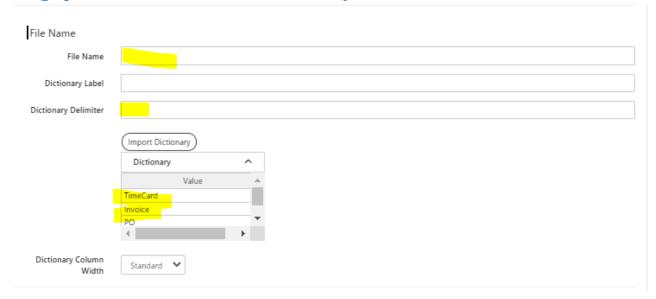
Document is split every two pages.

OCR

Default value for OCR can be configured.



Setting up Default File Name & File Name Key Words



Enter Required Filename Default Value and also can setup dictionary of Keywords which can be used in the filename. A delimiter/separator can also be configured, if multiple keywords are used for naming the file.

Setting up File Name Formula

Note: If you want to create Filename based on Formula, do not enter 'File Name' above also leave 'File Name' field blank on Operation panel. User entered File Name has higher priority than the File Name generated using Formula.



Default Formula:

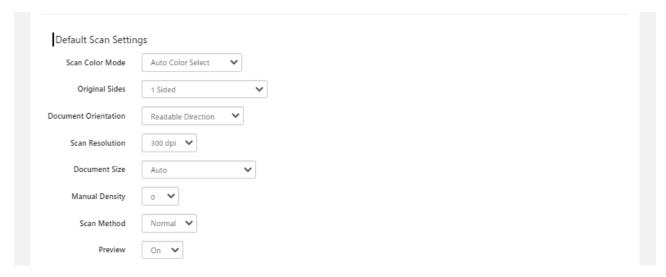
MONTH(NOW()) & DAY(NOW()) & YEAR(NOW()) & "-" & HOUR(NOW()) & MINUTE(NOW()) & SECOND(NOW())

Use the 'Check' button to verify Syntax of the formula.

Note: Refer to Appendix for Functions related to formula, samples and how to validate formula before saving in User Site.

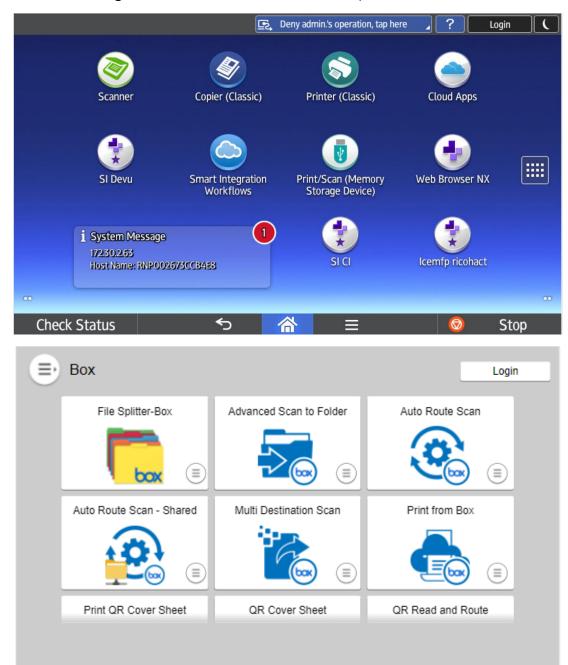
Scan Settings

Default Scan settings can be configured here



5 Operation of File Splitter Workflow Application

Touch on 'Smart Integration Workflows' to access File Splitter Workflow



Above screen shows workflow application related to Box Cloud service.

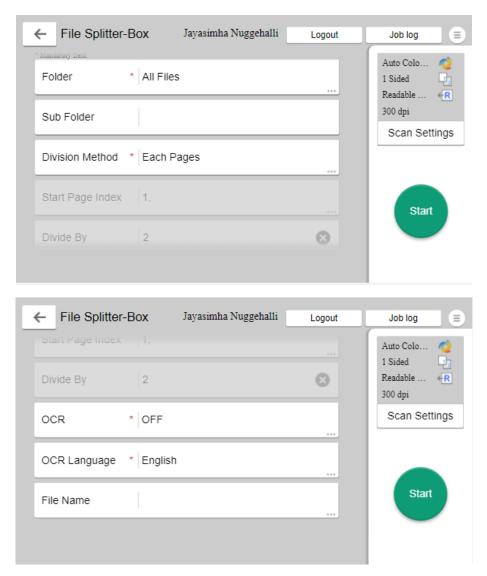
Select 'File Splitter' application

End User is requested to Login. Press 'Login' Button to Login. Use your credentials to login.

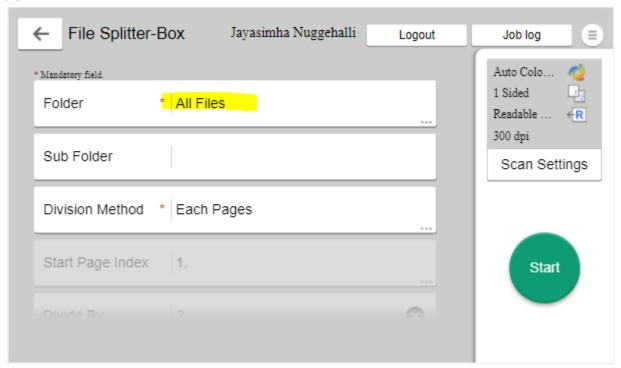
After successful user login 'File Splitter' Application Screen is displayed

Following Settings are available:

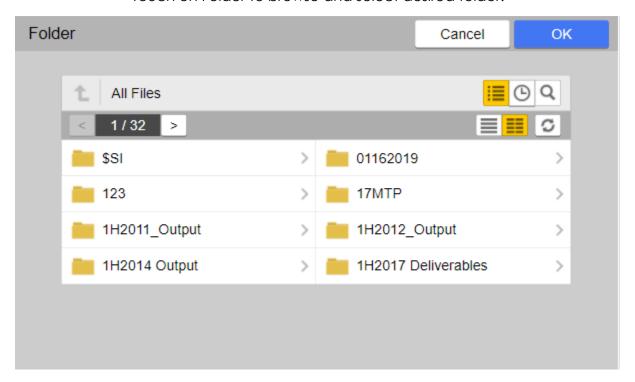
- A. Folder
- B. Sub folder
- C. Division Method
- D. Start Page Index
- E. Divide By
- F. OCR [Off, PDF, PDFA, WORD, EXCEL]
- G. OCR Language [English, French]
- H. File Name



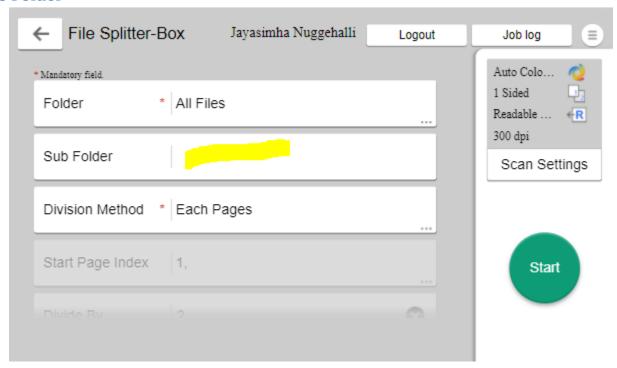
Folder



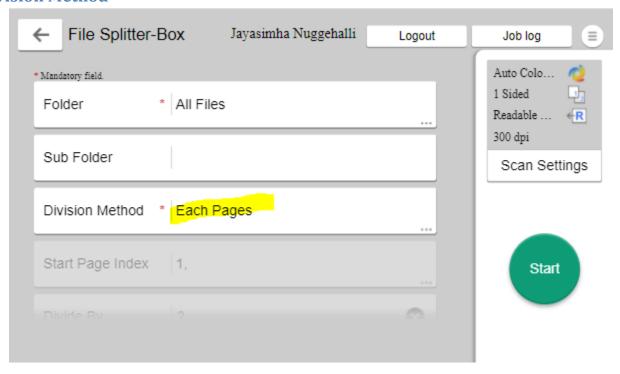
Touch on Folder to browse and select desired folder.



Sub Folder

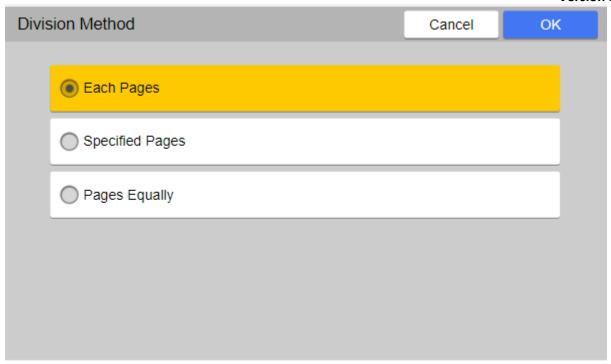


Division Method

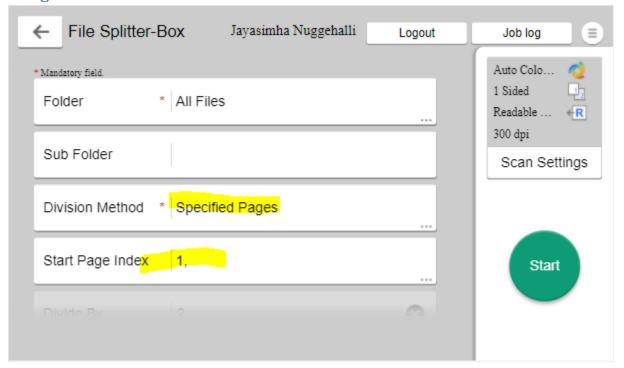


Touch on Division Method to select 'Division Method'.

Version 1.1



Start Page Index



Specification Details

Specifies the start page to split. (Valid only when the division method is Specified Pages) If you specify a positive integer of half-width numbers, a value larger than the PDF of the valid input only with a comma (,), or 0, it is ignored.

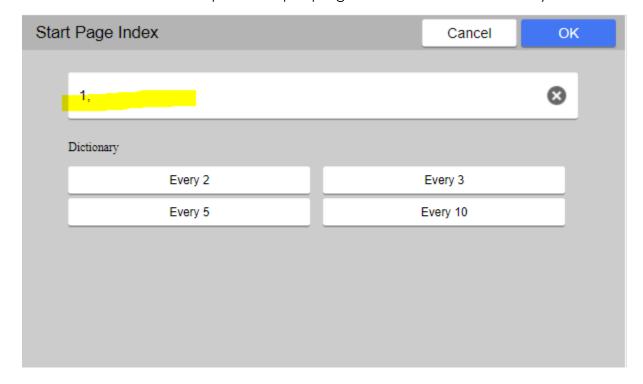
Duplicate values are ignored, and the entered values are sorted internally in ascending order for processing. If there is an empty string between commas, it is ignored. If only commas or 0 are specified, the same processing as when the default value is set is performed.

Default value: 1,

Example: If you enter an 8-page PDF and specify "0,3,7,10", 0 and 10 will be ignored and the PDF will be divided into 1-2 pages, 3-6 pages, and 7-8 pages. Is output.

Version 1.1

Touching on 'Start Page Index' will open the following screen, where user can enter page numbers to be split or use pre-programmed values in dictionary.

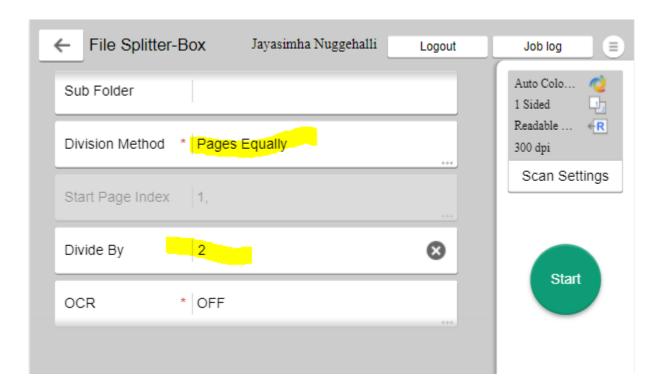


Divide By

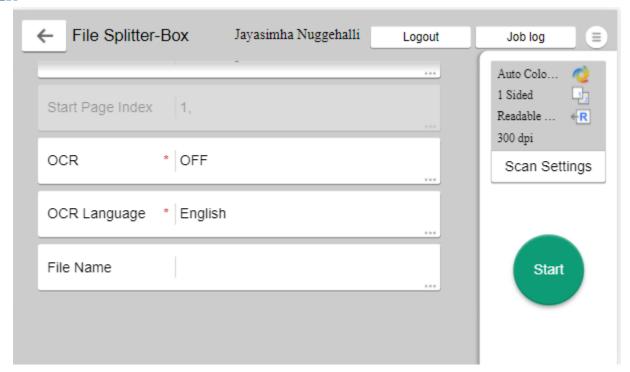
When Division Method is set o 'Page Equally' depending on the value in 'Divide By' document gets split.

Example: Divide By = 2

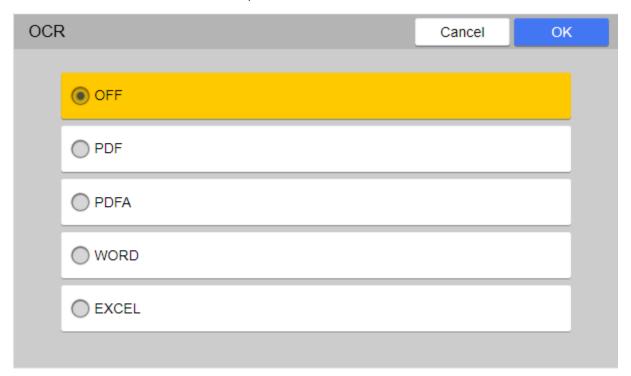
Document is split every two pages.



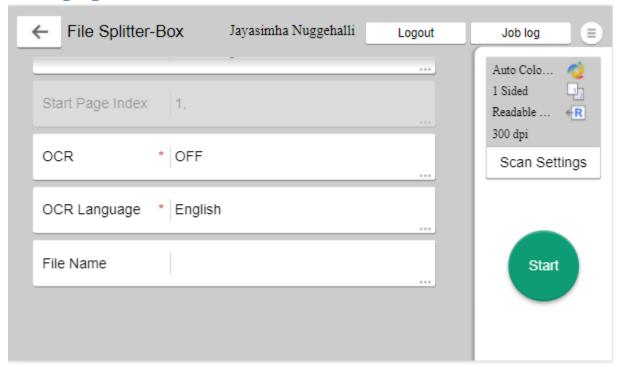
OCR



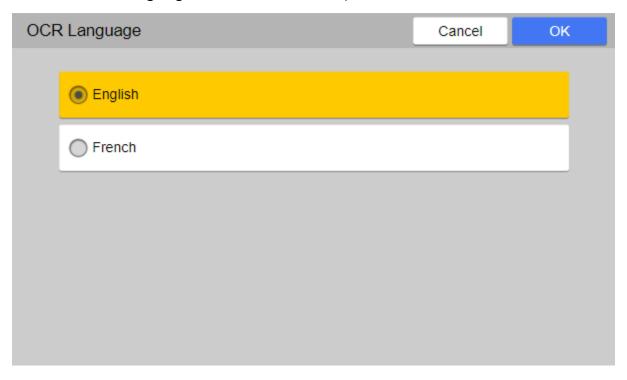
Touch on OCR to select available options.



OCR Language



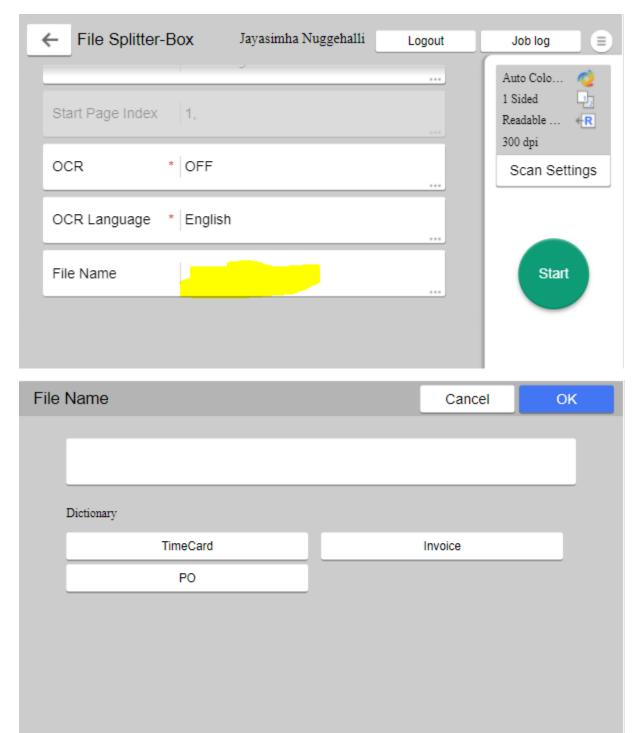
Touch on OCR Language to Select available options.



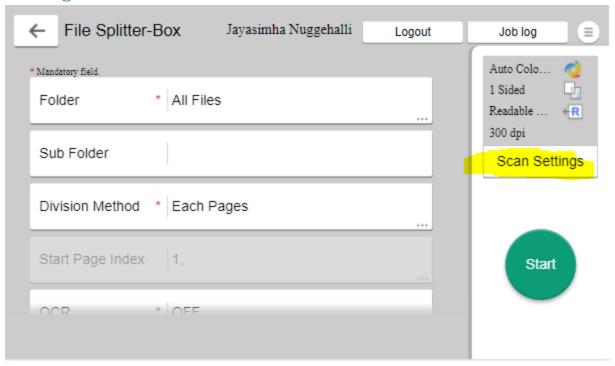
File Name

If filename field is empty below filename formula is used to create filename, otherwise user entered filename is created.

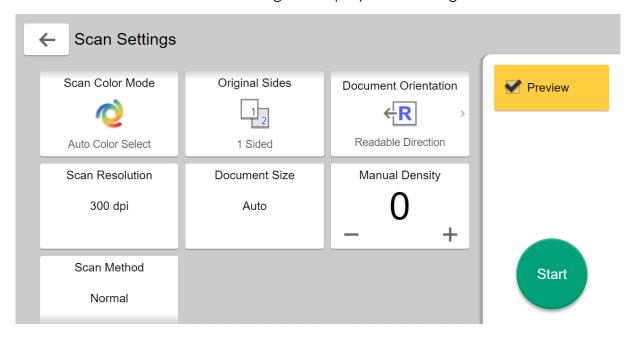
Touch on File Name field to enter filename or select from configured dictionary as shown below.



Scan Settings

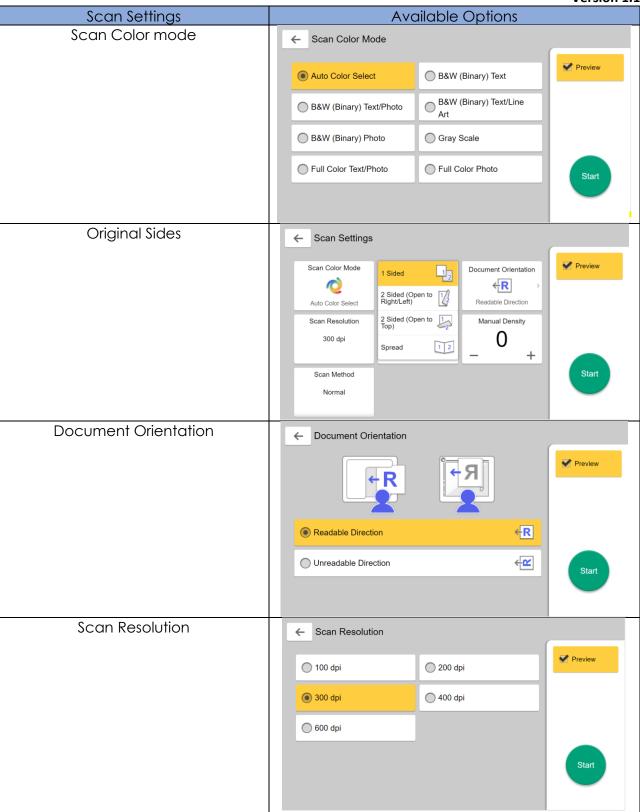


Touch on 'Scan Settings' to display Scan Settings Screen



Checking 'Preview' will enable Scan document Preview on MFP Operation Panel.

Version 1.1



Version 1.1



6 Limitations

File Splitter Limitations

• Maximum Scan file Size: 50MB

• Maximum number of Pages supported is 500

Smart Integration Portal Site Limitations

• Supported Browsers for User Site are:

o Internet Explorer: 11 or later

o Edge: Latest Version

o Chrome: Latest Version

o Firefox: Latest Version

- User Management
 - Email address is unique in the system; same Email address cannot be used even if user belongs to different Tenants
 - Users belong to same tenant cannot set different time zones
 - User cannot change their login Email address, need admins assistance to change email address

General Limitations

- Once Administrator has logged in to a Tenant on MFP, administrator from another tenant cannot login to same MFP. Refer to guide on 'How to remove registered device'
- Folder and File Search results varies from Cloud Service to Cloud Service, this depends on the Search API for each service.

7 Appendix

File Name Formula

Formula functions are similar to Microsoft Excel Formulas. Not all Excel functions are relevant and supported.

Following variables from the workflow application are available to use in the formula

- 1. TenantId [Smart Integration Tenant ID]
- 2. UserId [Smart Integration User ID]

Sample Formulas

Formula	Result
YEAR(NOW()) & "-" & MONTH(NOW()) & "-" &	2018-12-21-102657
DAY(NOW()) & "-" & HOUR(NOW()) &	
MINUTE(NOW()) & SECOND(NOW())	
YEAR(NOW()) & "-INVOICE"	2018-INVOICE
_[UserId] & "-" & YEAR(NOW()) & "-" &	TOM-2018-12-21
MONTH(NOW()) & "-" & DAY(NOW())	

Formula Functions

Formula Evaluation is based on Open Source, Apache POI

Note: Please see link below. All formulas listed may not be relevant to workflow application. Here is list of formulas.

http://poi.apache.org/components/spreadsheet/eval-devguide.html