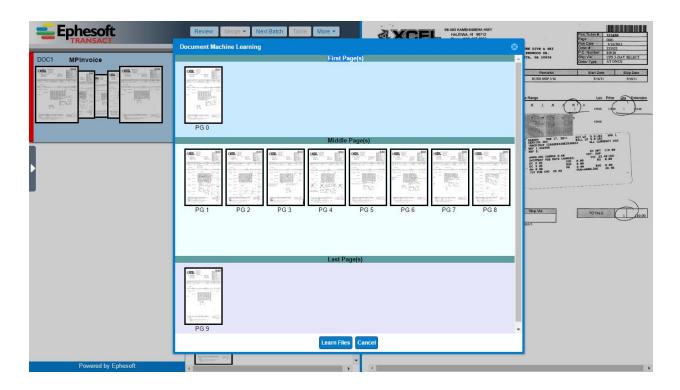
## **Machine Learning of Document Types**

With Ephesoft v4.1.1.0 a new feature, **Document Machine Learning**, has been implemented to assist you to improve the learning of a document type. This learning is applicable for Search Engine Classification and Multidimensional Classification.

You can now enable operators to perform learning of a document type from the **Review-Validate** screen. A shortcut **(Shift + z)** and a menu button named as "**Learn File(s)**" under more menu button have been added to the **Review- Validate** screen.

More -	
Function Key	•
External Application	•
Scanning	►
Next Batch Algorithm	►
Learn File(s)	
Shortcuts	►

Using this shortcut or Learn File(s) button, you can open **Document Machine Learning** screen.



From the **Document Learning Screen**, you can choose which page of a document to be learned as **First Page**, **Middle Page** & **Last Page** of the document. This screen is divided in 3 horizontal panels. The first (top) panel displays a thumbnail of the **First Page** of the document. The last (bottom) panel displays a thumbnail of the **Last Page** of the document. The second (middle) panel displays thumbnails of all other pages. You can drag a page from any panel and drop it to any other panel.

You can also view thumbnail image by double-clicking mouse/ touch-pad left button and on pressing Esc button you can hide that image.

Document Machine Learning		8
Figure         Figure         Figure	<section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	
	Learn Files Cancel	

After making relevant changes when you click **LEARN FILES**, temporary files are created and a message will be displayed over Review-Validate screen.



It is important to note that if after learning, you again perform learning for the same document, any time before you Review or Validate batch, then previous learning will be discarded for that document.

but the document learning only initiated in case you made some changes in document and after batch has been moved from the **Review** or **Validate** state.

If there is no page or more than one page in first or last panel of the **Document Learning Screen** and you attempt learning the document, the following warning message is displayed.

	Warnin	9	
	2	Either First or Last Page panel is Empty or contains more than one page. Do you still want to proceed with Learn Files.	
_		Don't ask me again Learn Files Cancel	

Also, you can perform **Document Machine Learning** only if the **Document Classification Type** is **Search Classification** or **Multi-Dimensional Classification**.

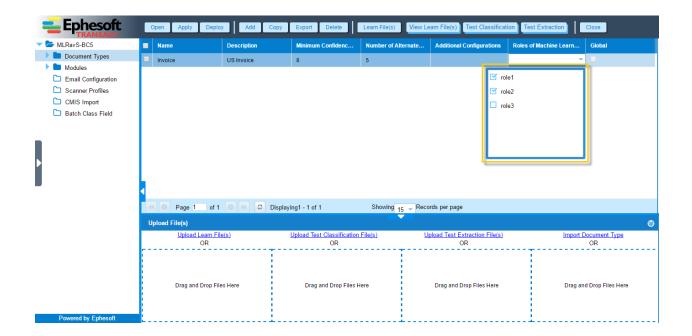
If you try to perform machine learning without appropriate right(s), the following warning message displays.

ריי	Information						
Ξ	(į)	Machine Learning of a document is not allowed for Current User.					
		ок					

It is important to note that **Document Machine Learning** is not applicable for **Global and Unknown Document Types**.

## **Configuring Roles for Machine Learning**

A new column named Roles for Machine Learning has been added to the Document Types screen.



The Roles for Machine Learning column displays all the available Ephesoft user roles.

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Super Admin user always has access to this feature irrespective of the roles defined in the **Roles for Machine** Learning column.

As Batch Class Administrator, if you want to configure **Machine Learning** feature for a document type, then you must select the user roles from the **Roles for Machine Learning** column that can perform machine learning for the document type and click **APPLY** to save the changes, selected user roles start displaying in the **Roles for Machine Learning** column for the document type.

If there are no user roles assigned under the **Roles for Machine Learning** column for a document type, then it is assumed that **Machine Learning** for the document type is only enabled for Super Admin user.

Ephesoft	Open Apply Deplo	Add Copy	Export Delete	Learn File(s) View Le	earn File(s) Test Classification	on Test Extraction	Close
VIRavS-BC5	Name	Description	Minimum Confidenc	Number of Alternate	Additional Configurations	Roles of Machine Learn	Global
Document Types	Invoice	US Invoice	8	5		role1;role2	-
Modules							
Email Configuration							
Scanner Profiles CMIS Import							
CMIS Import Batch Class Field							
Datch Class Field							
	<						
	؇ 🚳 Page 1 of 1	💿 🕨 🗢 Display	ring1 - 1 of 1		rds per page		
	Upload File(s)						0
	Upload Learn Fil	le(s)	Upload Test Classification	File(s) U	pload Test Extraction File(s)	Import I	Document Type
	OR		OR		OR		OR
						1 C C C C C C C C C C C C C C C C C C C	
	Drag and Drop Fil	es Here	Drag and Drop Files H	ere	Drag and Drop Files Here	Drag an	d Drop Files Here
						1 - C	
Powered by Ephesoft						*	

The user roles defined for machine learning of document types will also be used for machine learning of index fields within the document type.

## **View Document Machine Learned File(s)**

## To view files, follow the below steps

1. From the DCMA Home page, click ADMINSITRATOR and select BATCH CLASS MANAGEMENT.

The Ephesoft Enterprise Login page displays.

2. Enter valid credentials to login.

The Batch Class Management screen displays.

<b>Ephesoft</b>	0	pen Apply	Add Copy	Export Unio	ck Encrypt	Delete					
Batch Class PPM Comparison		Identifier	Name	Description	Drop Folder	Version	Priority	Current User	Encryption A	Roles	
BCD -0		BC0	GlobalBatchC	Global Batch	/opt/Ephesoft/	1.0.0.0	1				-
BCC -0		BC1	MailroomAuto	Mailroom Aut	/opt/Ephesoft/	1.0.0.0	1				
BCB -0 BCA -0		BC2	SearchableP	Searchable P	/opt/Ephesoft/	1.0.0.1	1			role1;role2	
S BC9 -0		BC3		Grid Computi	/opt/Ephesoft/		1				
0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		BC5	Automation_KV	Automation_KV	/opt/Ephesoft/	1.0.0.9	1				
BC5 -0		BC6	latest	latest	/opt/Ephesoft/	1.0.0.17	1				
BC3 -0 BC2 -0		BC7	etwe	sfas	/opt/Ephesoft/	1.0.0.1	1				
BC1 -0 BC0 -0		BC8	oct	kv	/opt/Ephesoft/	1.0.0.8	4				
		BC9	Kv	Kv	/opt/epheddd	1.0.0.2	1			role1	
0 100 Page per minute		BCA	OcrClassifyEx	Web Service	/opt/Share09	1.0.0.1	1				
PPM of Selected Batch Class	Þ.	BCB	Role1	Role1	/ont/Role1	1004	1			role1:role3	-
	-44	O Page 1	of 1 💿 🕨	C Displaying1 -	13 of 13	Showing	15 👻 Records per	page			
	Im	port Batch Class									8
						Select Files OR					
o o					Dra	ag and Drop Files He	ere				

3. Select the batch class in question and click **OPEN** from the toolbar on top of the **Batch Class Management** screen.

The batch class opens with a list of document types.

Ephesoft	Open Apply Deplo	y Add Copy	Export Delete	Learn File(s) View Le	earn File(s) Test Classification	on Test Extraction	Close
🍃 MLRavS-BC5	Name	Description	Minimum Confidenc	Number of Alternate	Additional Configurations	Roles of Machine Learn	Global
Document Types	Invoice	US Invoice	8	5		<b>•</b>	
<ul> <li>Modules</li> <li>Email Configuration</li> <li>Scanner Profiles</li> <li>CMIS Import</li> <li>Batch Class Field</li> </ul>	4				i role	ə2	
	O Page 1 of 1	Display	/ing1 - 1 of 1	Showing 15 - Reco	ords per page		
	Upload File(s)		3				
	<u>Upload Learn Fil</u> OR	<u>e(s)</u>	Upload Test Classification OR	File(s) U	<u>pload Test Extraction File(s)</u> OR	Import E	<u>locument Type</u> OR
Powered by Ephesoft	Drag and Drop Fil	as Here	Drag and Drop Files H	lere	Drag and Drop Files Here	Drag an	d Drop Files Here

4. Select the document type for which learning was performed and click **VIEW LEARN FILE(s)** from the toolbar on top of the the screen.

The following window appears.

StandardTestBCOkay-BC17	Name	Description	Minimum Confidence Thr	Number of Alternate Val	Additional Configurations	Roles of Machine Learn	Global
Document Types	EXTRACT-TEST	EXTRACT-TEST	100	5			
Modules	BARCODE-TEST-DOCTY	BARCODE-TEST-DOCTY	0	5			•
Email Configuration Scanner Profiles	TABLE-TEST	TABLE-TEST	0	5			
CMIS Import	FUZZYDB-TEST	FUZZYDB-TEST	0	5		role1;role2	
Batch Class Field	MISC-TEST	MISC-TEST	0	5			
	Webscanner-Test	Webscanner-Test	0	5			
	1						
		Displaying1 - 6	of 6 Showin	15 - Records per page			
	Upload File(s)     File Name	Displaying1 - 6	of 5 Showin Pege Type		Image Classification	Lucene Learning	Actions
	Upload File(s)	Displaying t - 6			Image Classification false	Lucene Learning true	Actions
	Upload File(s) File Name		Page Type		5	5	
	Upload File(s) File Name StandardizedTest_Page_4.tiff	8.tif	Page Type FIRST		false	true	â 🛓 @

If you try to view learn files by clicking **View Learn File(s)** without selecting a document type, the following warning message displays.

	Warning		8
ļ	⚠	Please select document types to view Learn Files.	
		ОК	