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### **Automation Engine**

What's New in 23.11

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#### Contents

- Continuing the AE Viewer improvement journey
- My Workspace improvements
- Accelerating the migration to native PDF
- Value for Maintenance
- Flexo Engine
- What's New for administrators

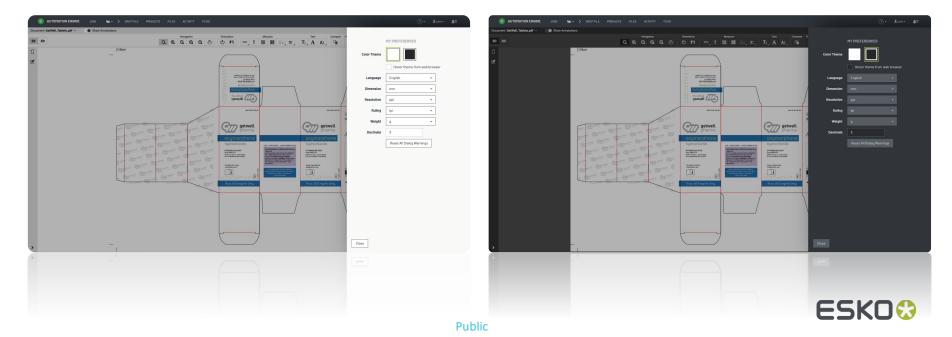


## Continuing the Viewer improvement journey



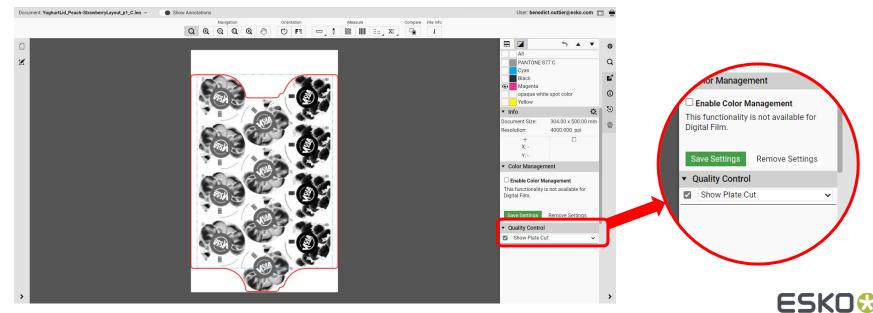
### New dark/light mode

- Improved viewing visual tasks with more accuracy
- Proofreading tasks become safer, and easier on the eye



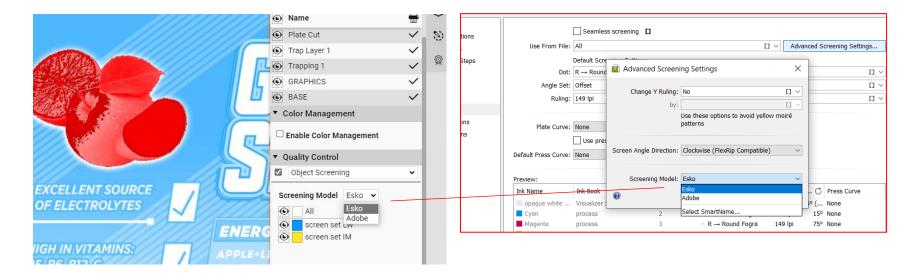
### Showing plate cutting paths on LEN files

Available in the latest viewer technology Improved Quality Control widget now shows all Plate Cut lines embedded in vour LEN files



### **Object Screening Models in Viewer**

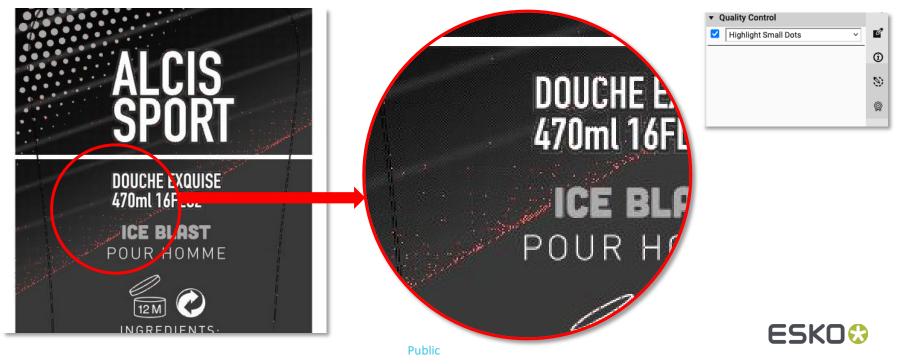
Available in the latest viewer technology Object screening can now be viewed in both screening models available in the Imaging Engine task





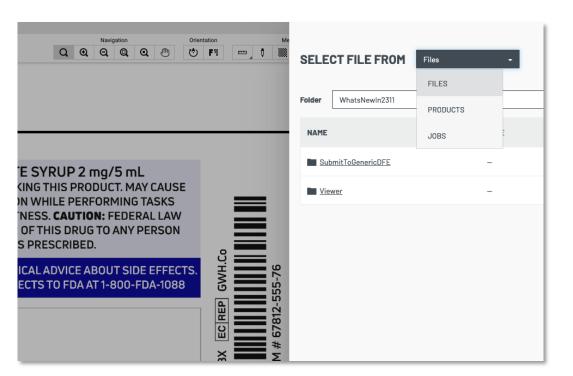
### **Highlight Small Dots in Viewer**

Available in the latest viewer technology When viewing RIP'ed data, a new tool in the Quality Control widget to highlight small dots, hairlines, ...



### Browse Jobs and Products in Viewer to compare

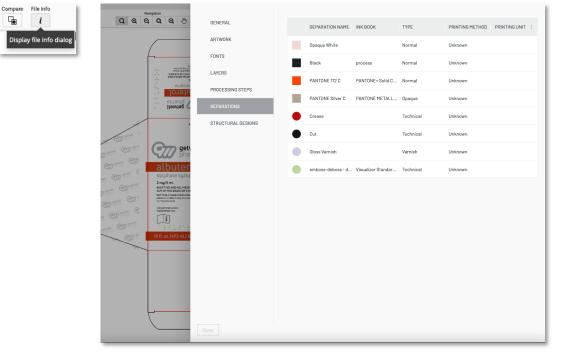
- Access files from anywhere, straight from within the Viewer
- A new file selector to easily navigate to Jobs, Products and Files
- Allows for easier access to files for comparison checks





### File info dialog in Viewer

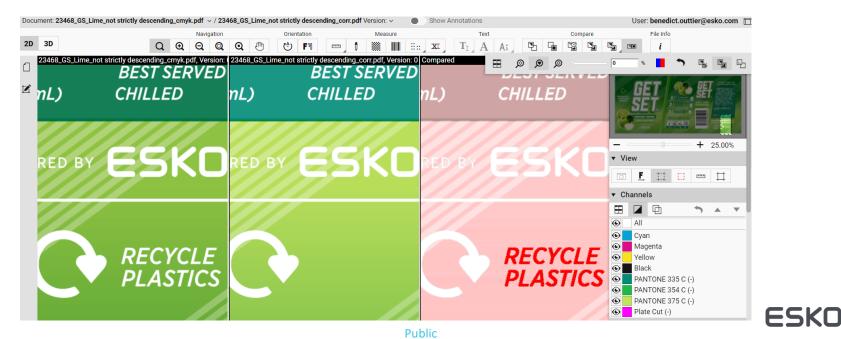
Available in the latest viewer technology Fast access to file information and metadata whilst performing quality checks 





### Improved HSV compare in new Viewer

- Gradual increase based on color difference
- Closes a gap with the old viewer technology



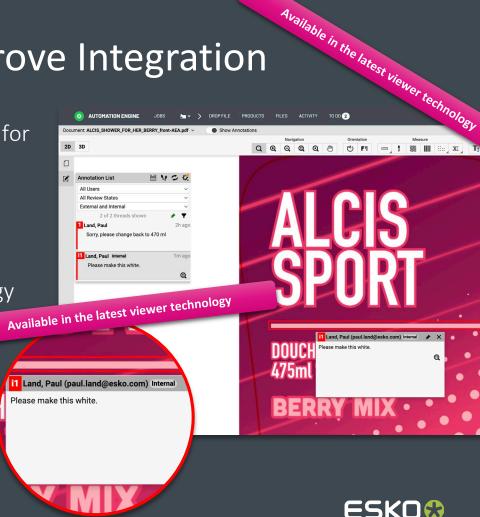
Available in the latest viewer technology

### Improved Share and Approve Integration

- Share & Approve has a great new feature for tagging annotations as "Internal". These annotations can only be viewed by your internal users.
- Automation Engine can also view these annotations in the latest viewer technology
- Filter on types of annotations

Annotation List 🔡 🧎	0 ¢	Ann
All Users	~	All
All Review States	~	All
External	~	Inte
1 of 2 threads shown	* 🔻	
1 Land, Paul	2h ago	<b>i1</b> I
Sorry, please change back to 470 ml		

N.	φ	Ο,
		~
		$\sim$
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	*	Υ.
	1m	ago
		Q
		1m

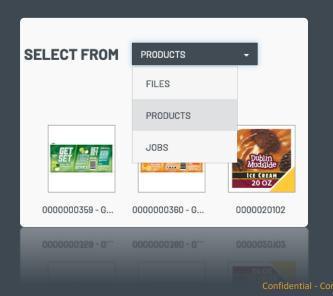


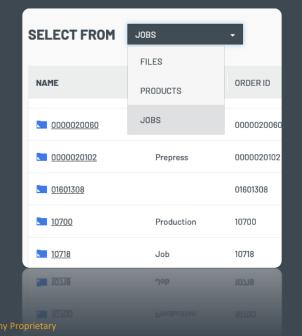
### Improvements to My Workspace



### Browsing for files in Jobs and Products

- All file selectors in My Workspace can now navigate to Jobs, Products and Files
- Example: selecting a file to compare with in the Viewer







# Accelerating the migration to native PDF



### New Task: Export to 3D

- The new Export to 3D task now accepts native PDF files with CAD information
- It generates an image or a 3D file
  - PDF File with 3D design
  - Collada File
  - U3D File
  - Binary glTF File

	Output in:			in (
4	File Name:			in (
	Scene:			iii ()
		Specify a scene file to export a single 3D file added to the scene, or leave the field empty structural design found in the input files.		
	Export Type:	Tiff Image 😒		
	Image Width:	2480 px	[]	рх ши
	Image Height:	3508 px	[]	рх ши
Ima	ge Resolution:	300 ppi	[]	
		Use Transparent Background		
,	View Heading:	45°	[]	
	View Tilt:	15°	[]	
Vie	w Perspective:	45°	[]	
		Add Floor Shadow		
Back	ground Color:	White 📀		
? Si	ave As	Advanced 🔽	Cancel	ОК



### Support for new and updated PDF actions

- 'Conditional (IF .. Then)' can now also be based on a string (e.g. a job parameter)
- 'Clip on selected shape'
- Multiple actions can be grouped together

′ If		
All of the following cond	tions are true 🛛 🗸	
String	Category 6 Tx - equals - Fie	exo 🔳 👻 Ignore Case 😐 🕂
Page Index		
Object Selection		
Layer Selection		
Separation Selection		
Document		
Printing Units		
Page Box	Printing Method	×
Screen Set		
String	iown 🗸	

 $\vdash$ 

- 'Create Plate Cutting Path' action: can be used for both manual and automatic creation of plate cutting path (for the selected separations)
- It is possible to call another PDF action list from the main action list.
- See Attroctor note details It is possible to nest multiple conditional actions (IF inside another IF)
- 'Select Clip Group'

### Trap Highlights for Flexo Print

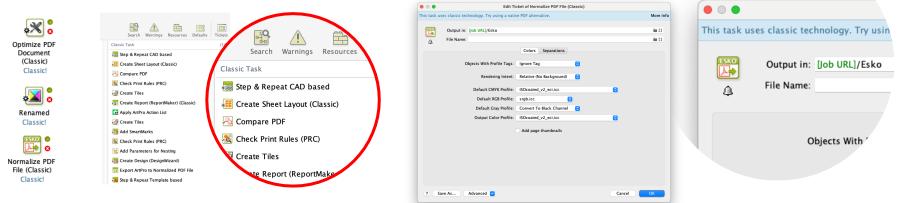
 The Trap task offers extra options to better handle very light areas for flexo print

Trap for Flexo Print - Tra	ар						-		×
File View Advanced									
Output in:	_trap	ped							in () in ()
Use Trap Settings from File:	Nev	/er			$\sim$				
Trap Distance:	0,1	00 m	m						[]
Truncate:	P	¶₽	[]	Edit					
Joins:	1	Г	[]	Edit					
End Caps:		9	[]	Edit					
Image Traps:	Orig	ginal	Data		$\sim$				
Apply Pullback:	Yes				$\sim$				
Inherit Trap Settings:	Yes				$\sim$				
Pullback Distance:	0,1	00 m	m						[]
Truncate:	1	ЩP.	[]	Edit					
Joins:	1	Г	[]	Edit					
End Caps:		9	[]	Edit					
Close gaps smaller than:	0,0	10 m	m						0
Allow Overshoot:	Yes				$\sim$				
		Ггар	highli	ghts for	flexo prin	it []			
First Printable Dot:	0,8	%							0
Print as:	10,	2%							11
Range:	50,	2%							[]
	Pow	ered	by PC	OF Actio	n List Prod	cessor			
Show Steps							Save	Ca	ncel



### Classic Tasks: label, warnings and info banner

- Increased awareness and visibility when using 'Classic' tasks:
  - Classic tasks are now also tagged as "Classic"
  - Improved warning panel highlighting classic tasks
  - New info banner, highlighting this is a classic task
  - Helping you build smarter workflows faster



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\*Note: This does NOT mean 'Classic' tasks are about to disappear in the near future Public

## Value for Maintenance

New features designed to improve efficiencies



### Automatic Cancelling of a Task

 The 'Configure Outputs' dialog now allows to cancel a task automatically if it takes (a lot) longer than expected.

		Configure Outputs						
Warning	handling:	OK on	Warning					
		O Error o	n Warnii	ng				
		O Dedica	ted han	dling of V	Warning			
					where the task's inpu	uts will be put when no errors occu		
		Cancel	automa	tically				
	After:	0	hours	30	minutes			
?						Cancel OK		

INITIATED FROM THE IDEAS PLATFORM



### Task Queue stops on low disk space

- No Tasks will be started when the disk space is lower than 3 GB (on the disk where AE software is installed). This prevents outages due to full disks
- Automatic re-starting when enough space is again available

000			Q	ueue Monito	or (weic)		
	< > = 22 weic					Q	
	Back Mode	Job	New Job				Search
∨ General	All task queues have been stopped because the E:	drive has le	ess than the minimum of 3 GB free	disk space a	vailable.		
Files	! File Name	Task Type		Progress	Phase	State	Launched
Shared Files	Ť	Synchronize	With Esko Cloud (Download)	0%		-	8/31/23 4:16 PM
💆 To Do List	01_shrek.pdf	Workflow		0%			10/19/23 9:44 AM
ee Products							
📇 Products on Esko Clo							
WebCenter							
📙 Tasks		0					
📻 Milestones							
SmartNames			All Queue Activity has been sto	pped.			
Tickets			All task queues have been stopped bee	ause the E:\ dr	rive has		
<ul> <li>Commercial Print</li> </ul>			less than the minimum of 3 GB free dis	k space availab	ole.		
Pages							
Proofs							
III Plates							
Sign & Display				_			
🛅 Orders				C	lose		
Gang Run Printing							
> Flexo							

### Administrators

Essential information for Automation Engine administrators



### System History tracks Identity Provider changes

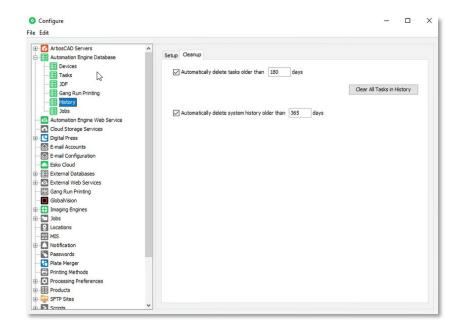
 A new System History page in the ADMIN section tracks all changes in the 'Identity Provider' configuration (and more later)

AUTOMATION ENGINE	WORKSPACES APPS & TOOLS A	DMIN		
	SYSTEM HISTORY			
USAGE DASHBOARD	DATE	▼ USER	CATEGORY	DETAILS
MANAGE TOKENS	August 25, 2023 2:08 PM	wim	Identity providers	OpenID configuration "Azure_test2" removed
MANAGE FONTS	August 25, 2023 2:08 PM	wim	Identity providers	OpenID configuration "Azure_test" added
IDENTITY PROVIDERS	August 25, 2023 1:59 PM	wim	Identity providers	OpenID configuration "Azure_test" removed
LOAD HISTORY VIEW SESSIONS	August 25, 2023 1:59 PM	wim	Identity providers	OpenID configuration "Azure_test2" added
AGENTS				
SYSTEM HISTORY				



### System History Cleanup

- The AE Databases in the Configure tool: the item 'Task History' has been renamed to 'History'
- This allows us to add additional features in the future
  - One new feature is the ability to configure a schedule to clean up the System History data.

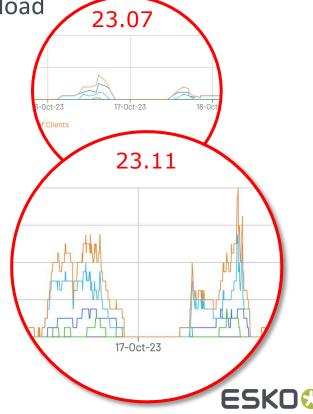




### Improved graphs in Load History

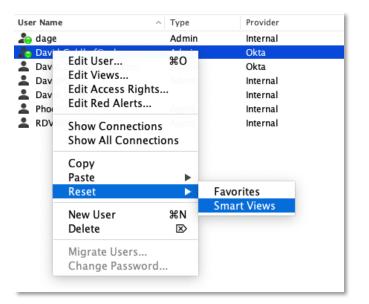
 The graphs showing the history of your server's load now show more detail





### Resetting a User's Views / Favourites

- An administrator can now do a reset of a user's Views and Favourites.
- This makes it much easier to apply a new set of a Views / Favourites to a user (previously it was not possible to delete existing ones).





### Merge workflow parameters in Data Collector

- In the workflow control 'Data Collector', the option 'Merge workflow parameters from all collected data' is now OFF by default.
- Existing workflows will be unchanged.
- Learn more in the <u>AE manual</u>.

Error Policy:	
🗿 Fail when e	errors occur
Ignore error	rs
Grouping:	
🗹 Group all c	ollected data
🗌 Merge worl	flow parameters from all collected data
?	Cancel OK



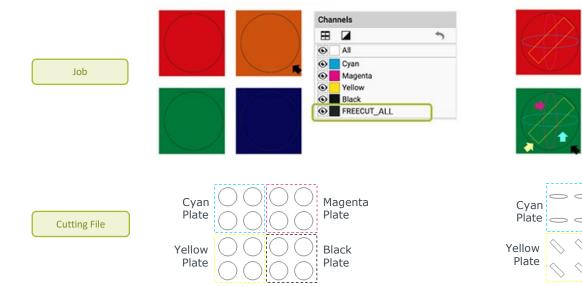
## Flexo Engine



### **Advanced Free-Cut**

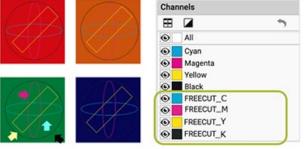
In a Normalized PDF, technical inks with name FREECUT or FREECUT\_<short ink name> can now be used to drive the Kongsberg cutting table

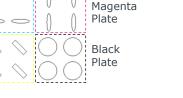
Public



One FREECUT ink for all separations

FREECUT ink per separation





### **Advanced Free-Cut**

 Switch on "Include CAD info for Digital Flexo Suite" in the Classic Step & Repeat tasks in Automation Engine or Plato

Step & Repeat Tabular (Classic)	Step & Repeat CAD based (Classic) / Step & Repeat Template based (Classic)
General tab	CAD Options tab
SmartMarks:       None         Load Mark Set in bottom layer         Adjust masks for continuous printing         Screen Registration         Include CAD info for Digital Flexo Suite	Imapping:       TRN v (CFF2)       (None> v (DXF)         CAD Style:       Impressions       v         Include CAD info for Digital Flexo Suite

 Activate the "Apply cutting flow" functionality in the "Submit to Plate Merger" task

Submit to Plate Merger task		Apply cutting flow	
General tab	Cutting Flow:	IPC Back v2.xwf 🗸	



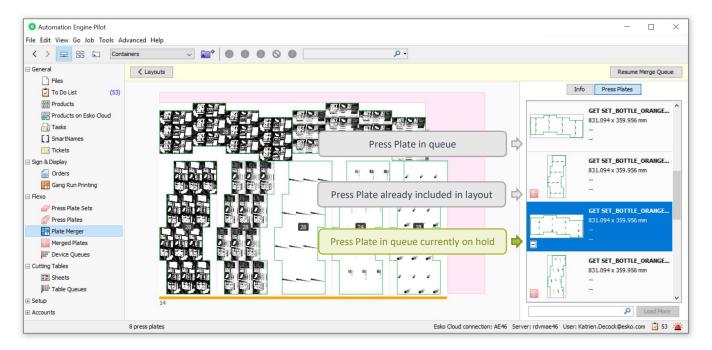
### Solvent Saver metrics in Merged Plates View

### The Merged Plates view now also offers the columns "% Solvent Saved" and "Solvent Saved Area".

• Automation Engine Pilot									
File Edit View Go Job Tools Advanced He	ŧlp								
Tasks Products on Esko Cloud Search: Al	Name Plate Type Drum Imaging Technolo	gy Device							
SmartNames Name	Solvent Saved Are	a % Solvent Saved ^	Plate Type	Drum	Resolution	Imaging Technology			
	20230927-093012_1.par		DFH 1.14 (045)	V5080EC3	4,000 ppi	Standard			
Bign & Display     RDVMAE46_	20230927-144909_3.par 0.468 r	n² 17%	DFH 1.14 (045)	V5080EC3	4,000 ppi	Pixel+			
- Flexo									
👘 Press Plate Sets									
Press Plates									
Plate Merger									
Merged Plates									
巴 Device Queues									
Cutting Tables									
⊕ Setup									
Accounts 🗸									
2 merged p	lates								

### Visualization of "on hold" Plates in Layout Editor

#### "Load more" functionality now clearly shows which plates are currently on hold



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#### Improvement to Reporting XML Files

#### Reporting XML file now also includes extended info on the used test strips

```
. . .
     <Preview>images/RDVMAE46 20231013-135259 4 5/altona visual p1 Y rot .lenx.gif</Preview>
     <ExposeState>ST30:EXP OK</ExposeState>
     <Ink>Yellow</Ink>
     <Height unit="mm">297.0022</Height>
     <Width unit="mm">420.0017</Width>
     <Rotate>90</Rotate>
     <Resolution unit="ppi">4000</Resolution>
     <IdOnPlate>000002854 20230725164607 000 process Yellow</IdOnPlate>
     <Submitted>2023-10-13T13:51:57+02:00</Submitted>
     <Exposed>2023-10-13T14:02:12+02:00</Exposed>
     <Used unit="sqmm">124741.4</Used>
     <Waste unit="sqmm">382435.7</Waste>
     <PlateId>6529-30d1-2a01</PlateId>
     <WFID>202310131351394273ef80cfd-b598-4ca5-8fc4-778a216ec3c3</WFID>
   </Image>
 </Images>
▼<TestStrips count="1">
 <TestStrip id="8115ca4a-90a8-41a4-b6aa-33dcc7ff8688">
     <File>Flattop-Check v2.len</File>
     <Folder>file://problemlog-gent.esko-graphics.com/CC-SW-Problemlog-gent/01700000-01700999/01700903/R&D/Settings</Folder>
     <Height unit="mm">14.776450157165527</Height>
     <Width unit="mm">187.9853973388672</Width>
     <Resolution unit="ppi">4000</Resolution>
     <Rotate>0</Rotate>
     <Label>rdvmae42</Label>
   </TestStrip>
 </TestStrips>
</FlexoPlateReport>
```



# System requirement changes



### System requirement changes

- Added support for macOS Sonoma (14)
- Dropped support for macOS Catalina (10.15)



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