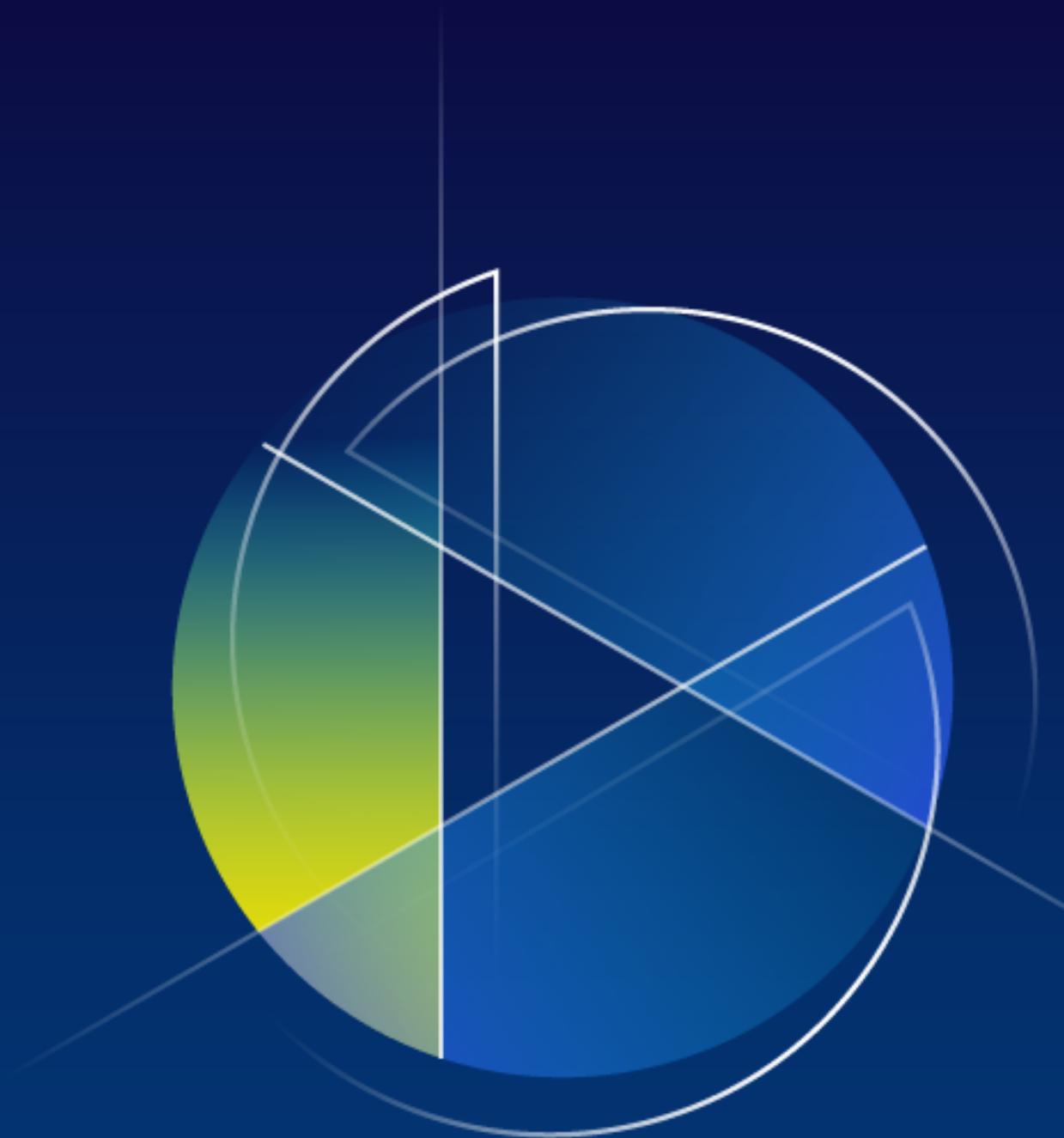




Kryon RPA
VERSION 20.9

Release Notes



KRYON™

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Document revision: 22-Sep-2020

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Kryon Release 20.9

Release Date: September 2020

We're pleased to announce some great new features and performance improvements in Kryon RPA Release 20.9.

BUG FIXES

Bug fixes focusing on:

- General errors
- Installation
- Advanced commands usability and functionality
- Performance issues in console and clients
- Auto-healing mechanism

NEW FEATURES AND ENHANCEMENTS

Performance

✓ Studio and Robot logs are now routed to the local server for performance enhancement
[more details](#)

✓ A new monitor added to supervise over the Robots health status and restart Robots when needed

[more details](#)

✓ Log optimization - Log level in some areas was reduced from info to debug

Studio

Improved support for Windows Narrator and added functionality

We've tuned our support for Windows Narrator and added an optional "**Shift focus to bubble**" functionality for smooth bubble-focused narration. *[more details](#)*

Improved UI Automation and Java Advanced Commands

- The selector in Java and UI Automation advanced commands now have an additional button for enabling right-click selection.
- Choose your Java engine for better results

- Enhanced UI selectors to support more complex cases and more
[more details](#)

Access Kryon Academy and Community through Studio

You can now access Kryon Community and Kryon Academy through Kryon Studio. Access is available through:

- Studio home page
- Wizard editor
[more details](#)

Admin

Multi-tenancy Support

Clear separation between companies without needing to change any configurations. You can now make this native separation by simply linking your library to the company of your choice. Each company will then own a unique Credentials Vault and Console. [more details](#)

New stand-alone independent Export and Import user permissions

You can now set the Import and/or Export permission at the Library level to allow a user to import and/or export wizards. [more details](#)

NEW IN DOCUMENTATION

1. **About using the "Delete" monitoring option in Database Trigger** *Kryon RPA ConsoleX Guide*

Added appendix containing information and clarification about how to use the Delete monitoring option in Database Trigger.

2. **User Management in Aerobase Admin Portal** *Kryon Admin Guide*

Added a new section with instructions for Resetting User Password, Enabling account-Lock after failed login attempts, Unlocking User Account, and Enabling User Account Audit Trail.

3. **RPA System Hardening and Vulnerability Management** *Kryon RPA Installation & Upgrade Guide*

Added an appendix describing the required steps for RPA System Hardening.

4. **System Requirements – High Scale Server** *Kryon RPA System Architecture & Requirement*

Added the system requirements for high scale server (Chapter 6)

Technical Details

For detailed information on selected topics, see the following sections:

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Performance Enhancements

Routing Studio & Robot Logs to local server

Following a performance investigation, Robot and Studio logs were discovered to be writing extra heaps to the main server through SEQ and LogBeat. This caused performance issues. Therefore, we've:

- Removed the redundant LogBeat
- Redirected the logs to write locally and re-defined the default severity level accordingly
Client logs write a local file: %localappdata%\Kryon%computerName%\logs
- The max size of a log file is 10 MB and saved for not more than 24 hours

Health check for Robots

Following an issue with 'ghosted' Robots, a new monitor has been added to supervise over the Robots health status and restart them when needed. If the server identifies a 'ghost' Robot, the monitoring service restarts the Robot.

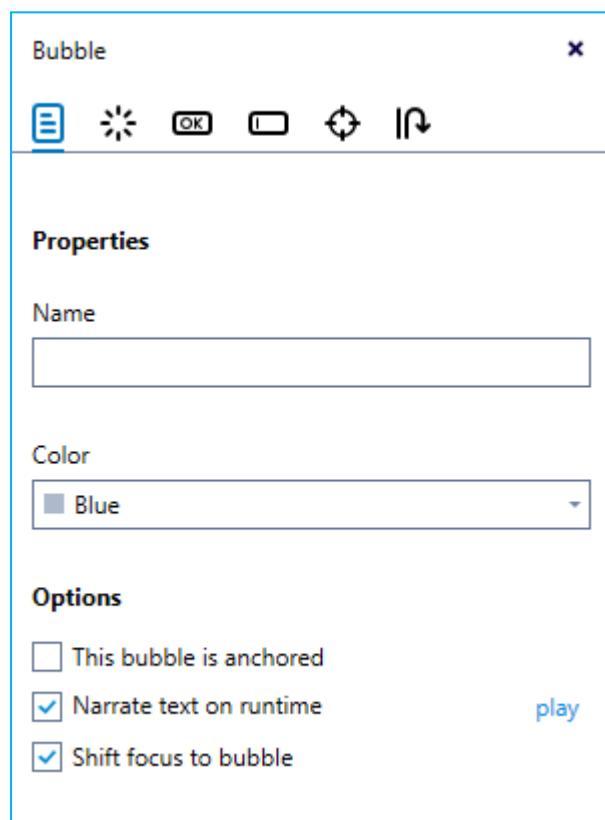
New in Kryon Studio

Improved Support for Windows Narrator

- Connecting to native Windows Narrator
- Supporting Bubbles headers, input fields and texts and more...
- Improving bubbles focus while maintaining backward compatibility
- Using Tab key you can cycle the elements in a bubble

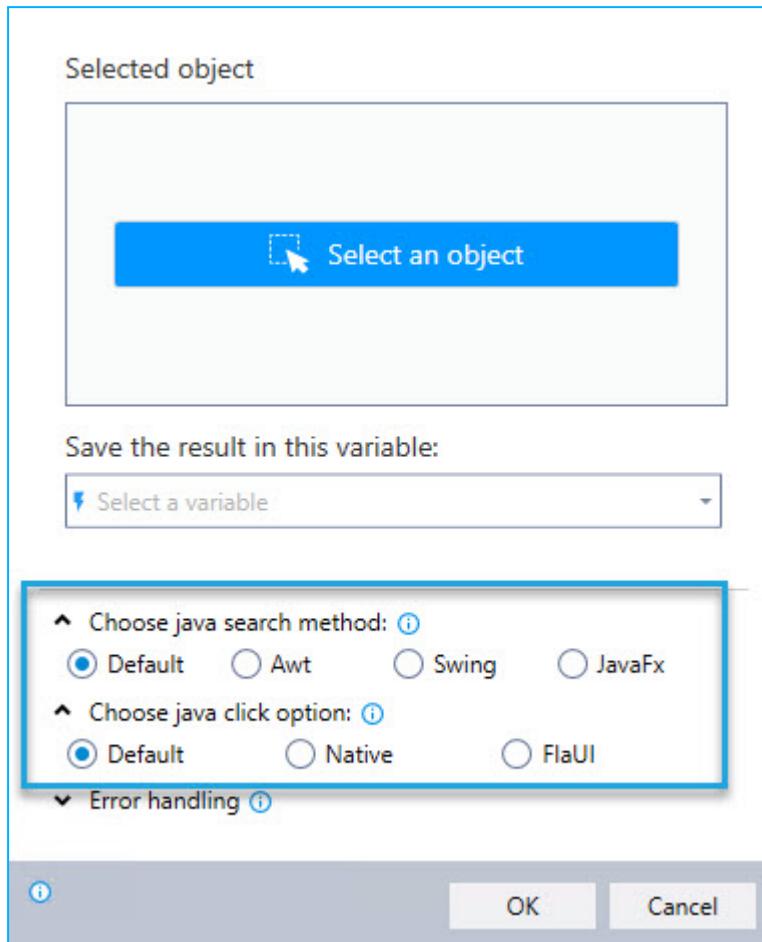
Added "Shift focus to bubble" optional functionality

Now you can select this option to make sure Windows Narrator narrates only the text and buttons in the bubble ignoring any other open



Improved UI Automation and Java Advanced Commands

- Choose your Java engine search method and click option for better results

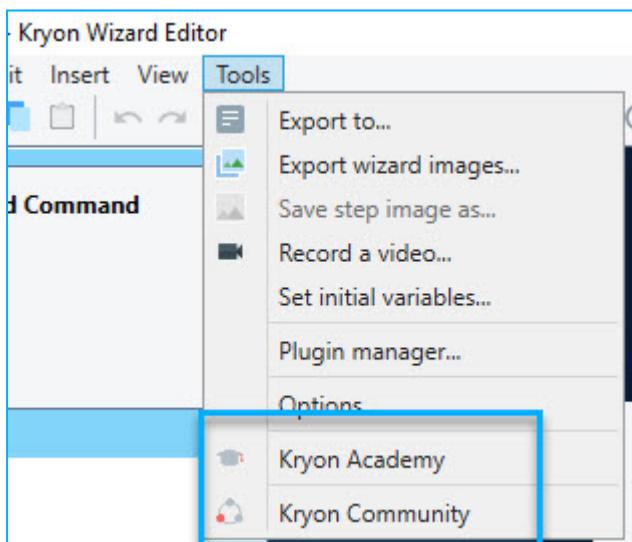


- Toggle between right and left mouse click in the Java and UI automation advanced commands Selector



- Added a spinner/loading indicator when searching for elements
- Improve the Selectors to support more than one variable

Access Kryon Academy and Community through Studio



New in Admin

Introducing Multi-Tenancy Support

Multi-tenancy support is now available at the license segregation level. It allows you to:

- Link specific libraries to specific companies
- Activate Credential Vault on multiple companies
- Display only the company-linked-libraries on the client side (on the user's Console/Studio/Robot)

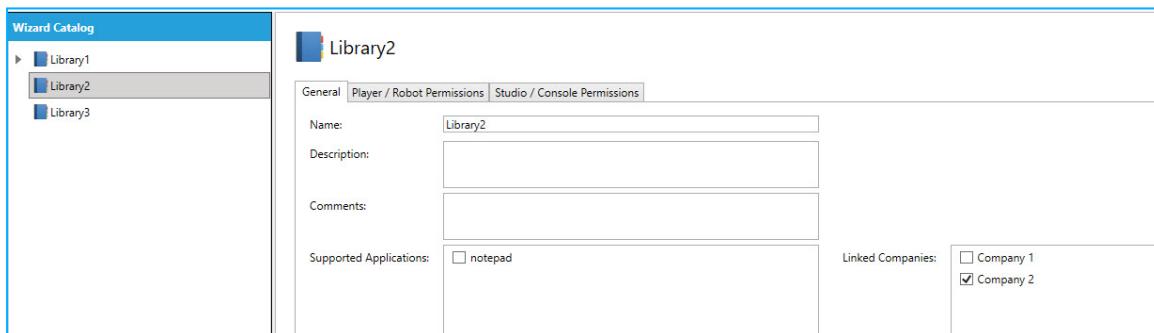
You can activate another level of user access and segregation on the Company level by simply connecting a Library to a Company.

Using this segregation level lets users under the intended Company to have access ONLY to the linked Libraries. Which also means that the users under a specific Company, that is linked to specific libraries.

This option becomes available once you have more than one company.

> Simply click a Library and link it to the relevant Companies.

EXAMPLE:



Important NOTES:

- When upgrading to Kryon version 20.9, you must re-link the libraries to the intended companies.
Upgrading from version 20.9 to any future version will keep your linked companies and libraries SAVED as intended.
- Upgrading to version 20.9 (i.e., from License Type 1 to Type 2) requires new licensing on the company level. The new license is provided by Kryon Customer Support.
- Linking a Library to more than one company requires attention to the [status of the Credentials Vault](#).

ABOUT CREDENTIALS VALUT AND LINKING A COMPANY TO MORE THAN ONE LIBRARY

If your Library is linked to a company with the Credentials Valut ON, and you attempt to link your Library to additional Company, the second company must have the Credentials Vault OFF.

This means that if a Library is linked to more than one Company, only one of the linked companies can have the credentials Valut ON.

This is because that in terms of verification and validation, the Library credentials are protected and CANNOT be shared with other companies.

EXAMPLE:

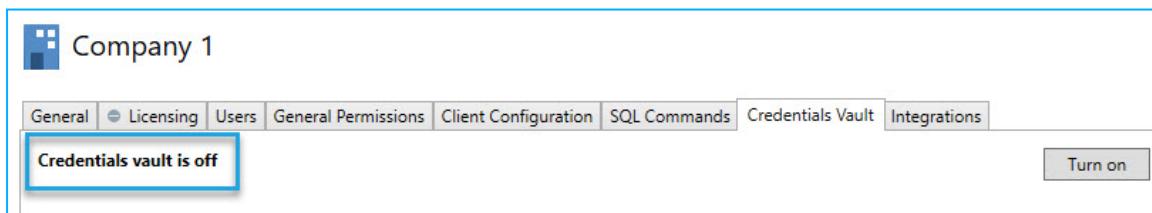
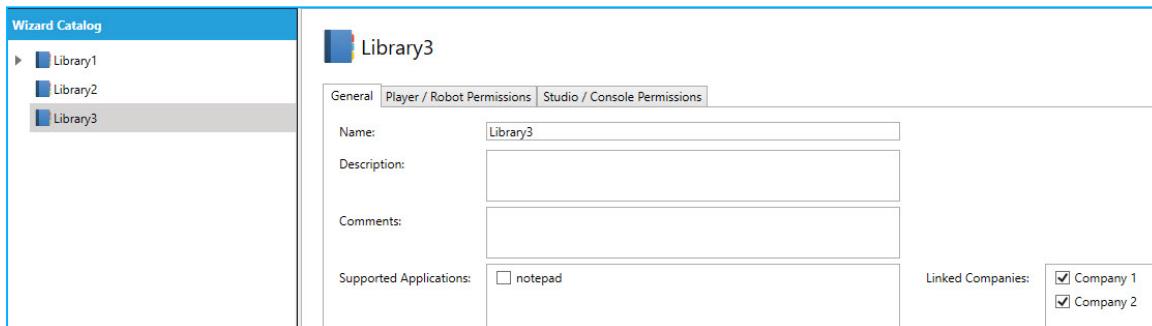
Library 3 is linked to two companies, Company 1 and Company 2. In this case, the Credentials Vault in Company 1 is OFF while in Company 2 is ON.

The working scenarios that are optional in this case are either to:

Turn OFF the Credentials Valut on both companies

;or

Turn ON the Credentials Valut only on one Company.



Export and Import as independent permissions

Raise the level of security and permissions segregation by setting the Import and/or Export permission *at the Library level* to allow a user to import and/or export wizards. Enabling these permissions without any other permission allows the user(s) to *ONLY* import and/or export wizards, i.e., the subject users cannot edit/create/move catalogs or wizards. raising the level of security and permissions segregation.

NOTE: The permissions can be set with or without the combination of other permissions.

Permissions	Allow	Deny
All	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Edit	<input type="checkbox"/>	<input type="checkbox"/>
Add	<input type="checkbox"/>	<input type="checkbox"/>
Add Rule	<input type="checkbox"/>	<input type="checkbox"/>
Delete Rule	<input type="checkbox"/>	<input type="checkbox"/>
Generate Reports	<input type="checkbox"/>	<input type="checkbox"/>
Add Read-Data Advanced Commands	<input type="checkbox"/>	<input type="checkbox"/>
Add Write-Data Advanced Commands	<input type="checkbox"/>	<input type="checkbox"/>
Add Execute-Action Advanced Commands	<input type="checkbox"/>	<input type="checkbox"/>
Import	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Export	<input checked="" type="checkbox"/>	<input type="checkbox"/>