

KRYON™

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Release Notes

Kryon Process Discovery v19.1

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Process Discovery 19.1

Release Date: February 3, 2019

Kryon Process Discovery just keeps getting better and better. This release is full of new features and enhancements that improve accuracy, performance, flexibility, and usability. Read on!

Algorithm

1. Incremental process discovery

Newly discovered variants and actions are now added to existing processes each time the algorithm is run (i.e., rather than resetting/overwriting them)

2. Streamlined data for optimized display

Repeating/equivalent "fill in form" actions have been consolidated to improve process map readability and usability

3. Enhanced performance and accuracy

- Parallel processing during data tagging → faster performance
- Upgraded algorithm for user action matching → higher accuracy

4. Customized algorithm configuration

Added the ability to manage thresholds for process identification (e.g., minimum/maximum process time, minimum process volume, minimum variant similarity, etc.), enabling users to refine results as required

Infrastructure

1. Improved communication between Discovery Robots and the Discovery Server

Discovery Robots

1. Upgraded Discovery Robot action recorder

Featuring new recording logic, faster image capturing, reduced memory consumption, and better encryption

2. Added support for 32-bit clients

Allowing installation on a wider variety of employee machines

3. Added support for multiple monitors/DPIs on a single client

Discovery Console

1. Discovered Processes (results table)

- *Added filtering*
Filter discovered processes by user, application, and date range
- *Additional information displayed for each discovered process*
Users, applications, and number of subprocesses

2. Process map

- *Single start and end points*
Consolidated start/end points for all variants, and visually differentiated them from other actions, allowing for easier process map interpretation and analysis
- *Upgraded user interface*
Subtler colors, improved mouse interactions (selection/hover), new informational tooltips (displaying action type and volume)

3. Process details & variants

- *Improved variant ordering*
Variants now ordered by the following two factors, ensuring that the most significant variants appear first:
 - i. coverage (i.e., the percentage of total process volume covered by the variant); and
 - ii. common denominator (i.e., the percentage of screens shared with other variants)
- *Enhanced control over variant visibility*
 - Process Details page loads with only one variant visible by default – with the ability to enable/disable visibility of all other variants individually or in aggregate, allowing for easier analysis and readability
 - Added ability to toggle **off** the visibility of Variant #1 (also enables selective export of the process to Kryon Studio without this variant, if desired)

Miscellaneous bug fixes, performance improvements, and security upgrades

Process Discovery 1.5

Release Date: November 7, 2018

Installation

- **Installation kits** – introduced installation kits for the Discovery Server (silent mode) and Discovery Robots (silent mode and UI mode)

Automation Export/Import

- **Selective export** – added the ability to select specific variants for export to Kryon Studio

Infrastructure & Security

- Enhanced security for data in transit and data at rest
 - **TLS support** – added support for TLS 1.2, allowing customers the option ability to secure all communications between Discovery Robots and the Discovery Server
 - Customer-provided certificate required
 - **Database encryption** – added database encryption for improved data security
- Significant performance enhancements for quicker and more efficient processing

Administration

- **Data management** – added ability to purge all or part of the collected data from the database
- **Robot management** – added ability to turn Discovery Robots off/on from the server
- **Enhanced logging features** – added additional logs to provide a more complete picture of how the Discovery Server and Discovery Robots are operating

For partners

- **License generator** – added Process Discovery to the License Generator, enabling the ability to quickly and easily provide Process Discovery licenses to customers

Miscellaneous bug fixes, performance improvements, and security upgrades

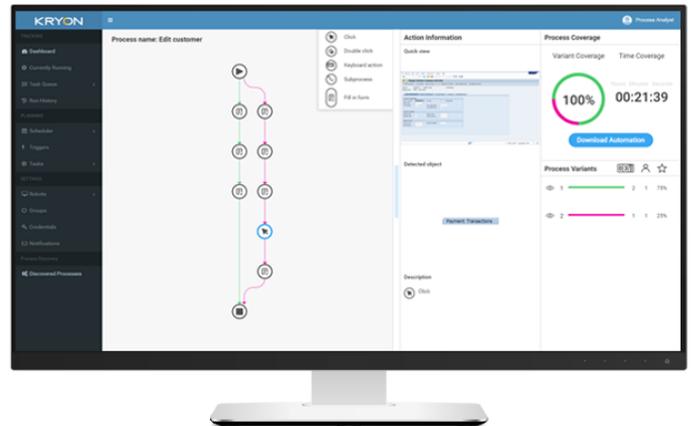
Process Discovery 1.0 (Initial Release)

Release Date: June 14, 2018

Welcome to the era of true discovery.

Kryon is pleased to introduce **Process Discovery** – enabling any enterprise to be fully automated in unprecedented time and with unparalleled cost-effectiveness, expanding the benefits of RPA for maximum ROI.

A powerful, proprietary, AI-based platform designed to identify an organization's business processes, correlate variants, and make recommendations for enhanced efficiency via automation, **Kryon Process Discovery** is poised to revolutionize digital transformation in enterprises across every industry.



Key Features

Discovery Robots

Running silently on your employees' computers, Kryon Discovery Robots collect data without impairing employee performance or consuming their valuable time. Discovery Robots are configurable to your specifications, and all the collected data remains securely within your organization.

Application whitelisting/blacklisting

Elect to keep certain data private by configuring the Discovery Robots to look at actions only on specific applications.

Advanced algorithm – getting smarter all the time

The Process Discovery Server executes a complex algorithmic process, incorporating computer vision, data extraction, action tagging, process identification, mapping, and more. And machine learning and artificial intelligence means it's getting smarter all the time.

Visual process mapping

See a full display of the data collected by the Discovery Robots – including actions, applications, workflows and variants. Easy to read and understand, our process maps provide you complete information to empower intelligent decisions.

Actionable analytics

Easily analyze all the data you need, right alongside the process maps. Review high-level summaries or drill down to the details: action type, variant frequency, time taken and more.

Intelligent automation recommendations

In addition to providing you with detailed statistics, Process Discovery makes intelligent automation recommendations of its own – calculating priorities based on ROI-related metrics such as process frequency and time that could be saved.

Easy Automation

Turn your decisions into automation reality by exporting discovered processes to automation workflows with just a few clicks. Choose precisely which variants and subprocesses to automate. It doesn't have to be all or nothing, and the decisions are completely yours.