PEGA PLATFORM

Pega Robotic Automation

DIAGRAMS THAT SHOW HOW ROBOT RUNTIME AND ROBOT MANAGER 8.4 AND EARLIER WORK TOGETHER

19.1



© 2020 Pegasystems Inc., Cambridge, MA All rights reserved.

Trademarks

For Pegasystems Inc. trademarks and registered trademarks, all rights reserved. All other trademarks or service marks are property of their respective holders.

For information about the third-party software that is delivered with the product, refer to the third-party license file on your installation media that is specific to your release.

Notices

This publication describes and/or represents products and services of Pegasystems Inc. It may contain trade secrets and proprietary information that are protected by various federal, state, and international laws, and distributed under licenses restricting their use, copying, modification, distribution, or transmittal in any form without prior written authorization of Pegasystems Inc.

This publication is current as of the date of publication only. Changes to the publication may be made from time to time at the discretion of Pegasystems Inc. This publication remains the property of Pegasystems Inc. and must be returned to it upon request. This publication does not imply any commitment to offer or deliver the products or services described herein.

This publication may include references to Pegasystems Inc. product features that have not been licensed by you or your company. If you have questions about whether a particular capability is included in your installation, please consult your Pegasystems Inc. services consultant.

Although Pegasystems Inc. strives for accuracy in its publications, any publication may contain inaccuracies or typographical errors, as well as technical inaccuracies. Pegasystems Inc. shall not be liable for technical or editorial errors or omissions contained herein. Pegasystems Inc. may make improvements and/or changes to the publication at any time without notice.

Any references in this publication to non-Pegasystems websites are provided for convenience only and do not serve as an endorsement of these websites. The materials at these websites are not part of the material for Pegasystems products, and use of those websites is at your own risk.

Information concerning non-Pegasystems products was obtained from the suppliers of those products, their publications, or other publicly available sources. Address questions about non-Pegasystems products to the suppliers of those products.

This publication may contain examples used in daily business operations that include the names of people, companies, products, and other third-party publications. Such examples are fictitious and any similarity to the names or other data used by an actual business enterprise or individual is coincidental.

This document is the property of:

Pegasystems Inc. One Rogers Street Cambridge, MA 02142-1209 USA Phone: (617) 374-9600 Fax: (617) 374-9620 www.pega.com

Updated: October 20, 2020

Feedback

If you have suggestions or comments for how we can improve our materials, send an email to <u>Robotics-Documentation@pega.com</u>.

DIAGRAMS THAT SHOW HOW PEGA ROBOT RUNTIME AND PEGA ROBOT MANAGER WORK TOGETHER

This document includes architectural diagrams that show how Pega Robot Runtime and Pega Robot Manager work together to let you manage robots. Also included are diagrams that show how packages are deployed from Pega Robot Studio and how robots interact with Pega Platform.

The diagrams show activities for unattended, attended, and Pega Robot Studio solutions.:

In an unattended (RPA) solution

- Starting the RPA Service
- Starting Robot Runtime
- Stopping Robot Runtime
- Terminating Robot Runtime

In an attended (RDA) solution

• Starting Robot Runtime in an RDA solution

Pega Robot Studio activities

- Deploying a package in Robot Studio
- Robotic activity in Robot Studio, Pega Platform, and Robot Manager

RPA Unattended - Start VM and Windows





RPA Unattended - Stop Runtime



Shape Legend

RPA Unattended - Terminate Runtime



Shape Legend

RPA Attended: Start Runtime



Robot Studio: Deploy Package



Robot Studio: Robotic Activity



Legend			
$\langle + \rangle$	This is a Parallel Gateway. It shows the execution of parallel flows without the need to check any conditions. <u>All paths are traversed</u> .		
	This is an intermediate event that shows a pause/wait in the process flow.		
\bigcirc	Exclusive gateway controls the process flow based on a given process data. Each outgoing flow corresponds to a condition. The flow with the satisfied condition is traversed. <u>Only one flow will be traversed.</u>		
$\langle \mathbf{O} \rangle$	This is an Inclusive gateway. It is used to create parallel paths. The conditions of all outgoing flow are evaluated. <u>All flows with positive result will</u> <u>be traversed.</u>		
	A Data Store is used within a process to enable storage, update, and retrieval of data that are used while the process is executed and may exist after the process ends.		
	A Data Object represents information or a physical object and are used to show how data is processed during the process execution. A data object exists only as long as the process is active. When the process is finished, the data instance is no longer available.		
+	This is a subprocess. The details are shown on a different diagram that is named the same as the sub-process. Clicking the subprocess shape will open the subprocess diagram.		
o	This is a service designed to support interoperable machine-to-machine interaction over a network.		

Mathad	Endpoint		
wiethod	Host	URL	
POST	Robot Manager	robotics/v1/register	
POST	Robot Manager	robotics/v1/heartbeat	
POST	Robot Manager	robotics/v1/signoff	
GET	Robot Manager	robotics/v1/profile?type=robot	
POST	Robot Manager	robotics/v1/commandStatus	
GET	Robot Manager	robotics/v1/runtimeconfigs	
POST	Robot Manager	robotics/v1/packages	
POST	Package Server	api/v1/packages/{packageId}/{packageVersion}	
GET	Robot Manager	robotics/v1/assignments	
GET	Package Server	api/v1/packages/{packageId}/{packageVersion}	
GET	Package Server	api/v1/packages/{packageId}/{packageVersion}/{configId}	
POST	Robot Manager	robotics/v1/packages/import	
POST	Robot Manager	robotics/v1/operational_statistics/ingest	
GET	Robot Manager	api/v1/assignments/next	
POST	Robot Manager	api/v1/assignments/{AssignmentKey}?actionid=pyCompleteAutomation	
GET	Robot Manager	api/v1/data/{id}	
GET	Robot Manager	api/v1/cases/{id}	
GET	Synchronization Server	api/v1/products/{product}/current	
GET	Synchronization Server	api/v1/products/{product}/versions	
GET	Synchronization Server	api/v1/products/{product}/{version}	
GET	Synchronization Server	api/v1/products/settings/prefetch	