

IT Automation Conductor [Tutorial]

XIn this document, "Exastro IT Automation" is described as "ITA".

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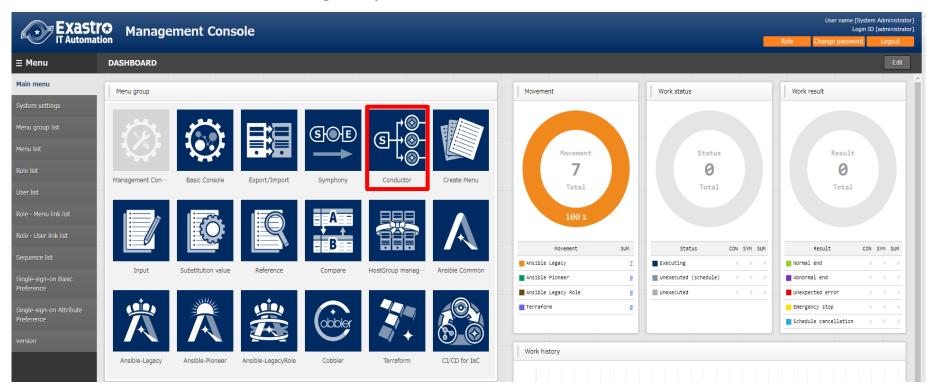
1. Introduction



1.1 About this document

Main menu

 This document aims to introduce the reader to the "Conductor" menu group

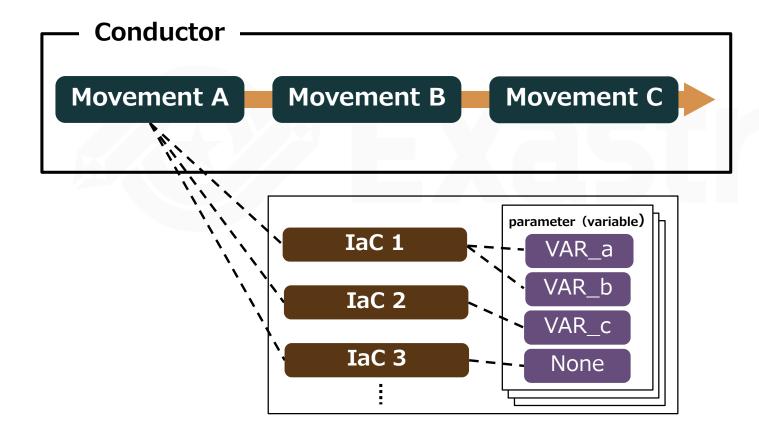


2. About Conductor



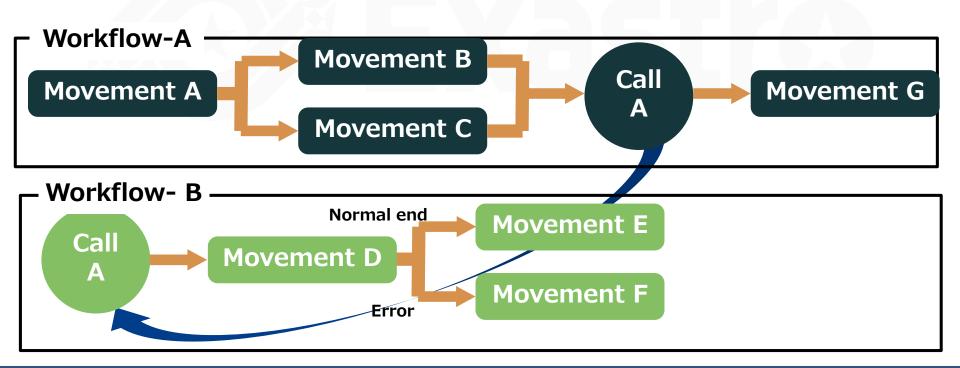
2.1 About Conductor

- Conductor is a function added in ITA Ver. 1.5.0
- Conductor allows users to specify multiple Movements into one sequence and links it to an operation before executing it.



2.2 Conductor features

- While the Conductor Function has ,in similarity to the Symphony function, an execution function, it also contains the following functions.
- Hence, Conductor allows for execution of more complicated jobflows.
- Parallel movement executions
 - Call other jobflows
 - Conditional branch depending on Movement results



2.3 Conductor Function Description (1/14)

 The main menus the Conductor menu group and their functions are as following



①Conductor class editCreate an operation using previously created movement.

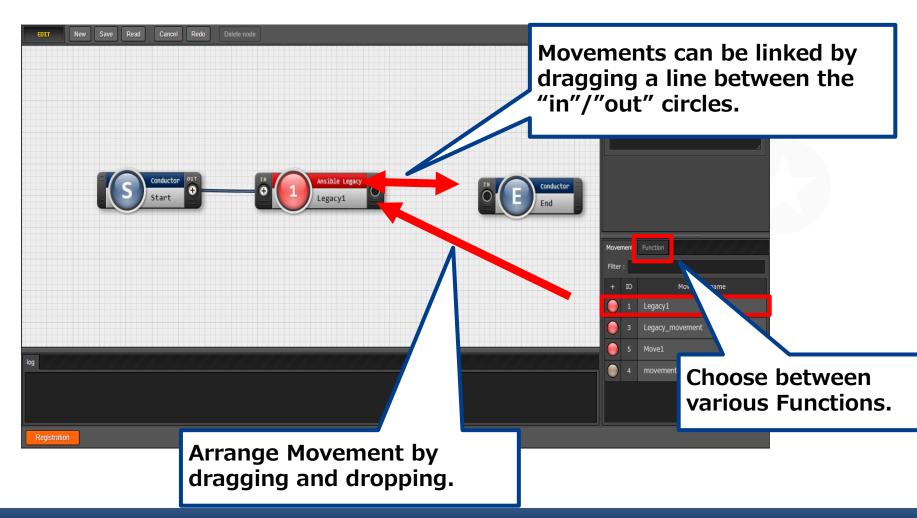
2 Conductor execution Execute operations.

- ⑤ Conductor confirmation Confirm previously created operations.
 - **4 Conductor Regularly execution**Register operations and configure regularly executed jobflows.
- ③ Sconductor notification definition
 Set definition for conductor operation notifications.

2.3 Conductor Function Description (2/14)

Conductor class edit (1/4)

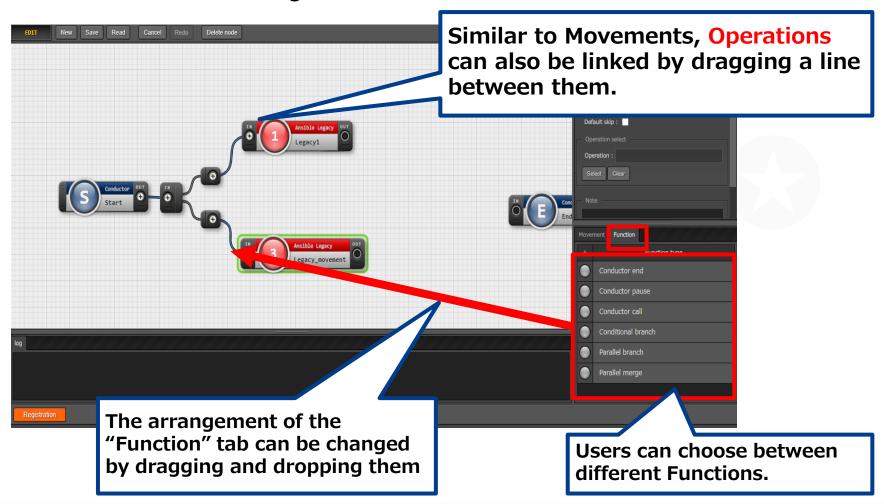
 In the "Conductor class edit" menu, Movements and different functions can be added and deleted.



2.3 Conductor Function Description (3/14)

Conductor class edit (2/4)

•Users can use the Conditional branch function by selecting it from the "Function" tab on the right side of the screen.

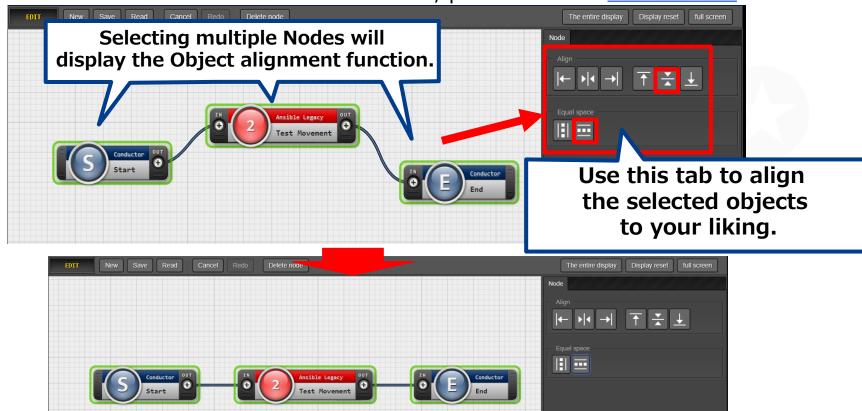


2.3 Conductor function description (4/14)

Conductor class edit (3/4)

• By selecting multiple Nodes, users can use the buttons in the menu on the left to align the items. To select multiple Nodes, drag the mouse while holding the mouse button and drag over the Nodes you want to select or hold the shift key and press the Nodes you want selected individually.

For more information about the Node tab, please refer to this manual.



2.3 Conductor menu functions (5/14)

Conductor class edit (4/4)

• The following explains the different functions available. For more details, please refer to this manual.

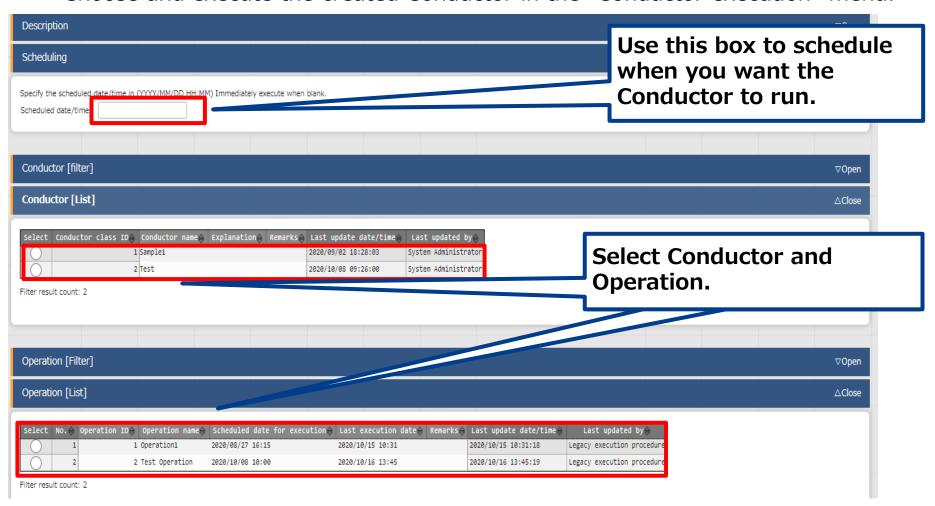
		I =
Figure₽	Name₽	Description@
S Conductor OUT Start	Conductor start	Start of Conductor
Conductor End	Conductor end₽	End of Conductor et * If there are multiple Conductor end, the operation will end until all Conductor end are complete. et
O PAUSE DO	Conductor pause₽	Pauses the workflow temporarily. Cancel the pause to move on to next step.
C Conductor (all 500 Conductor)	Conductor call₊	Calls another registered Conductor class and executes it. 49 *When original Conductor shuts down with error, Conductor executes process as normal call and does not have effect on original status.49
Donal od O	Conditional branch	Branch process according to the result of "Movement" and "Conductor call" that the Node connects to. & Status that can be specified is as follows. & Normal end & Emergency stop & Preparation error & Unexpected error & SKIP complete & Warning end &

Figure₽	Name₽	Description. <i>□</i>
	Parallel branch	Execute "Movement" or "Conductor call" in parallel. ** The maximum parallel process number depends on the configuration and server spec of ITA. **
O STANCOOL	Parallel merge	Execute all process when all Nodes connected to this Node are finished. φ
TOTAL CIDE CIDE CIDE CIDE CIDE CIDE CIDE CIDE	Status file branch₽	Branches off process based on results of work directory of Movement file. $\ensuremath{\wp}$
1 desthis topoy per legacy 1 l	Movement-	Execute Movement

2.3 Conductor Function Description (6/14)

Conductor execution(1/2)

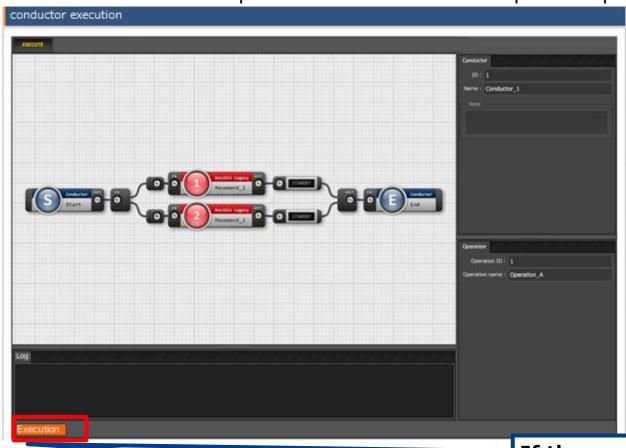
Choose and execute the created Conductor in the "Conductor execution" menu.



2.3 Conductor Function Description (7/14)

Conductor execution (2/2)

The conductor and operation selected at the top of the page will be displayed.



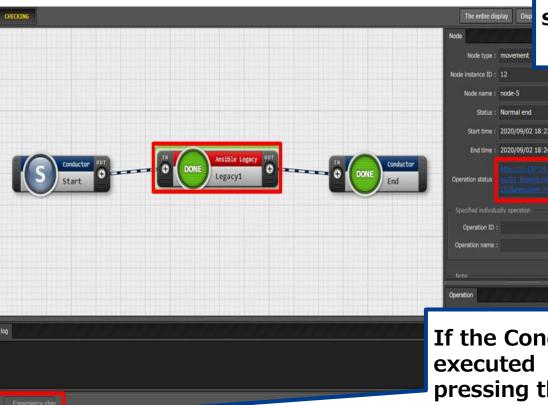
If there are no problems with the contents, press the "Execute" button to execute.

2.3 Conductor (8/14)

Conductor confirmation

Check the execution status from the "Conductor Confirmation"

Menu".



Clicking the movement will display a detailed results screen.

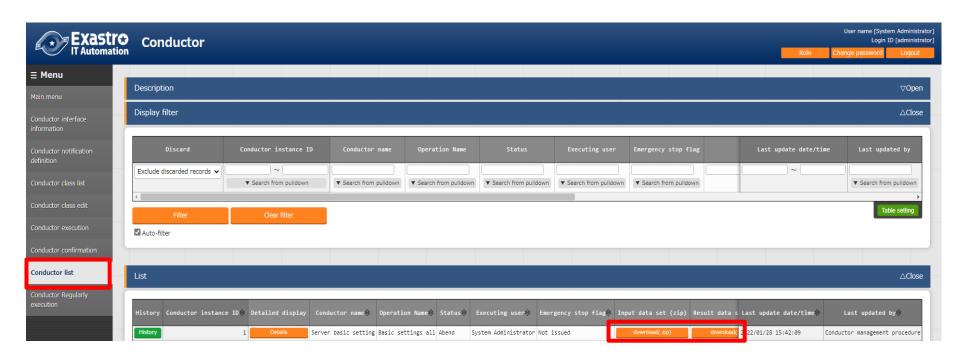
Click here for more details.

If the Conductor is scheduled to be executed users can cancel it pressing the "schedule cancelling" button.

2.3 Conductor Function Description (9/14)

Conductor check (1)

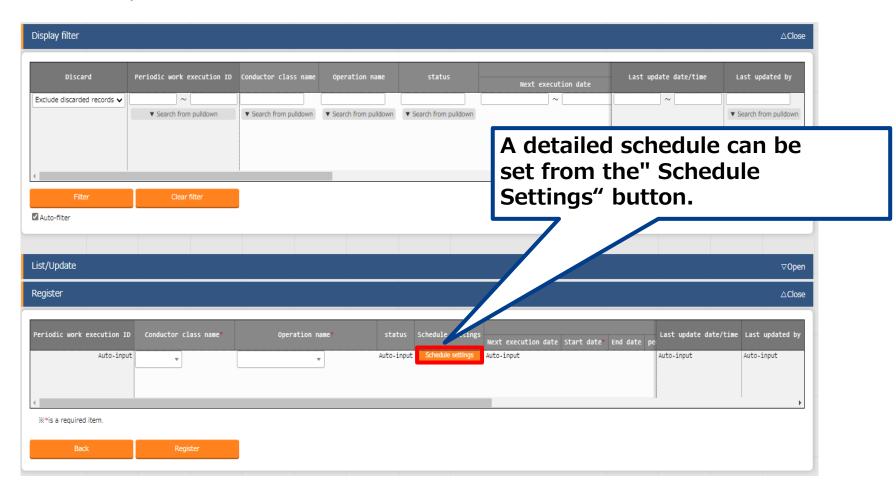
In the "Conductor" Menu group -> "Conductor list" menu -> "List" Sub-menu, users can download the input/results data for each Conductor.



2.3 Conductor Function Description (10/14)

Conductor Routine Executions (1/3)

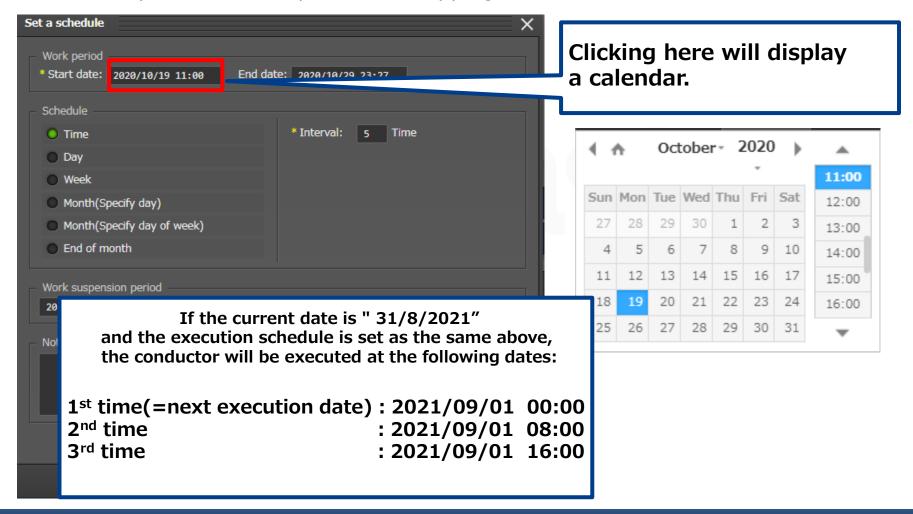
• In the "Conductor Regularly execution" menu, users can manage regularly executed operations.



2.3 Conductor Function Description (11/14)

Conductor Routine Executions (2/3)

 "Schedule settings" allows user to set detailed settings such as the regular execution period and the period for stopping work.

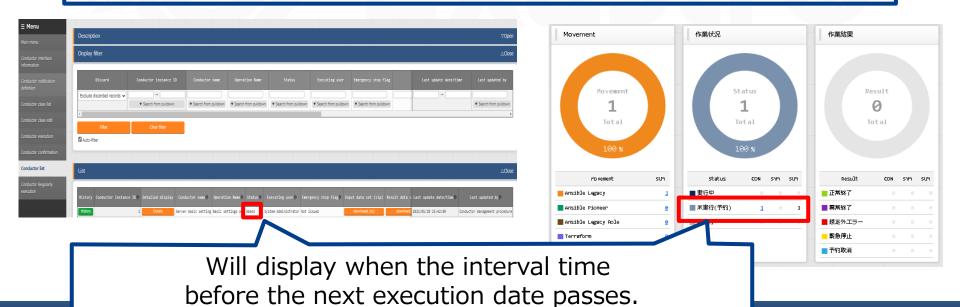


2.3 Conductor Function Description (12/14)

Conductor Routine Executions (3/3)

- Any Conductor operations registered with a scheduled routine will display "Not executed (Reserved) when the first interval time before the first scheduled execution date passes. (The default interval (time) value is 3 minutes). The Interval time can be changed by the user in the "Management console" > "System settings" menu. For more information, please see the Management console user manual.
- Conductor/Symphonies with the status "Unexecuted (Schedule) can be seen in the "Work status" field in the dashboard and in the "Conductor list" menu.

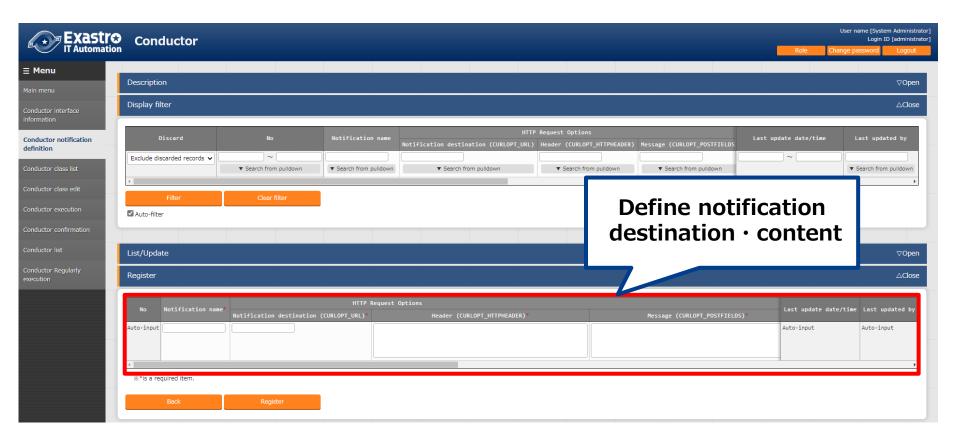
If the next execution date is set to "2021/9/1 18:00" and the interval is set to 3 minutes, the status will change to "Unexecuted (Schedule))" 17:57 2021/9/1.



2.3 Conductor Function Description (13/14)

Conductor notification definition (1/2)

- Send conductor operation results to selected message tool (Teams, Slack) by http request. Set definition for destination and content in "Conductor notification definition" menu. For detail see this manual.
- Applicable for checking results of long or reserved operations.

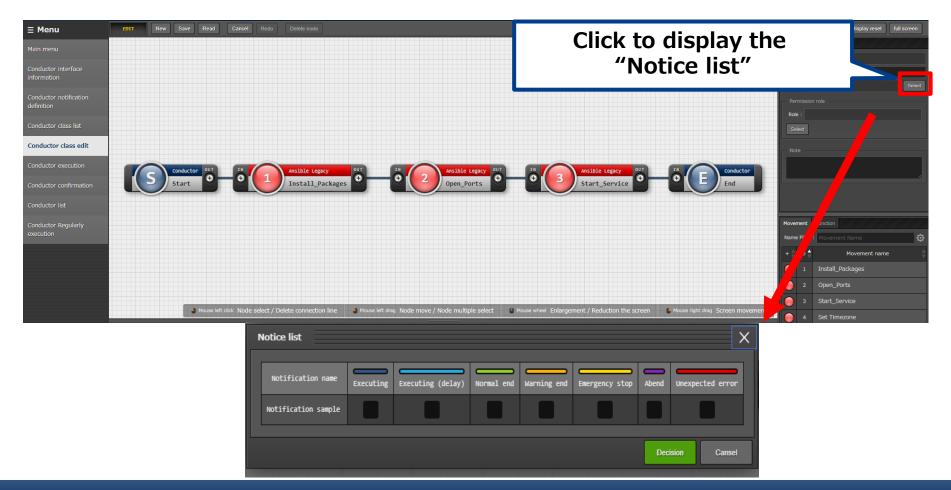


2.3 Conductor Function Description (14/14)

Conductor notification definition (2/2)

• Users can press the "Notice" button in the "Conductor class edit" to select what statuses will send a notification.

The notifications must be defined in the Conductor notification definition menu.



2.4 Conductor workflow

The Conductor workflow is as follows.
 Details can be found in the Practice document.

1 Register device information Basic console menu 2 Register operation **3 Register Movement** Various driver menus **4) Check Movement 5** Register interface information Conductor menu **6**Register Conductor **7**Check Conductor **®Execution Conductor** O
 O
 Check execution result
 O **10**Check execution history

