



IT Automation Conductor 【Tutorial】

※In this document, “Exastro IT Automation” is described as “ITA”.

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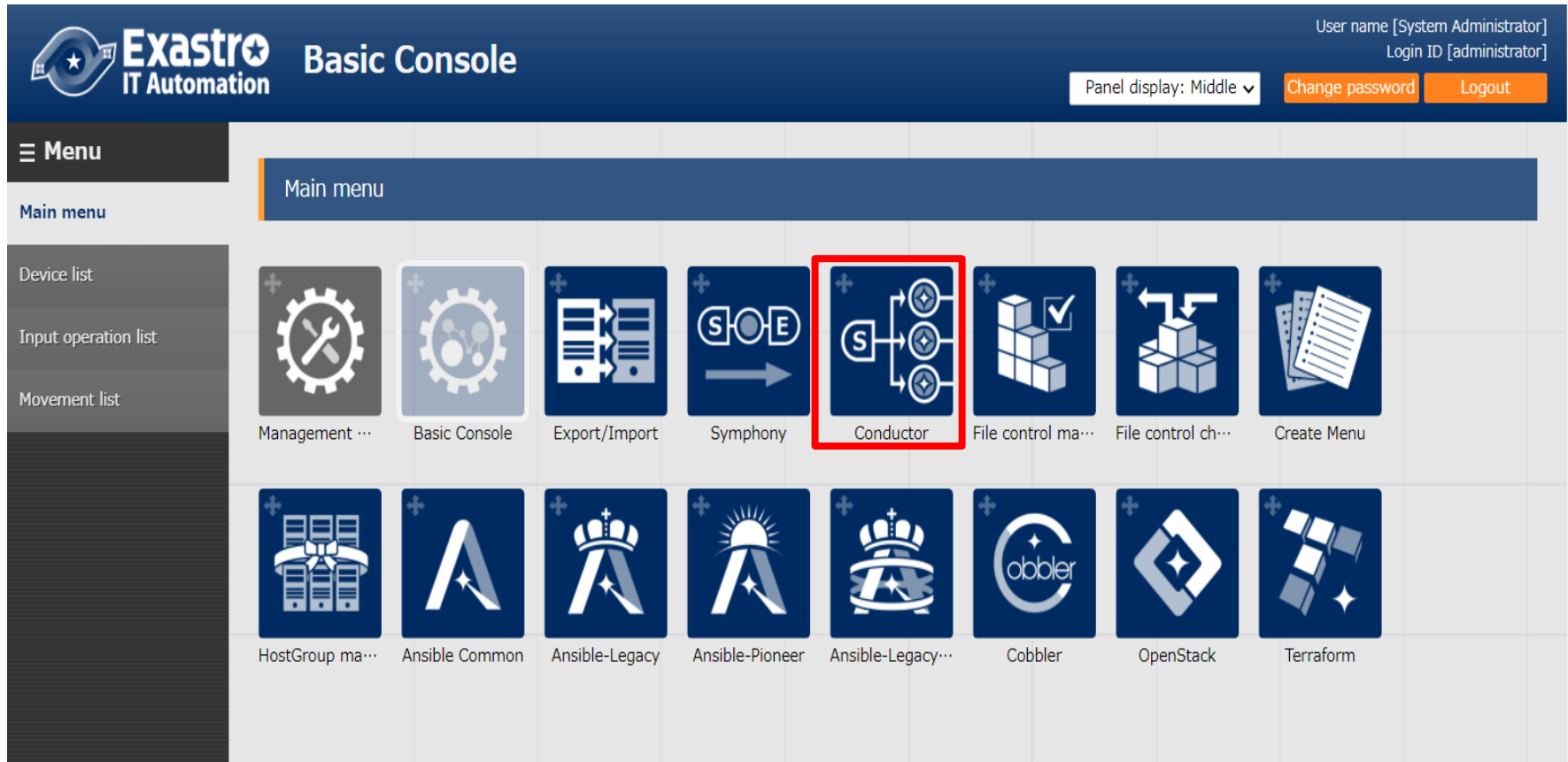
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1. Introduction

1.1 About this document

Main menu

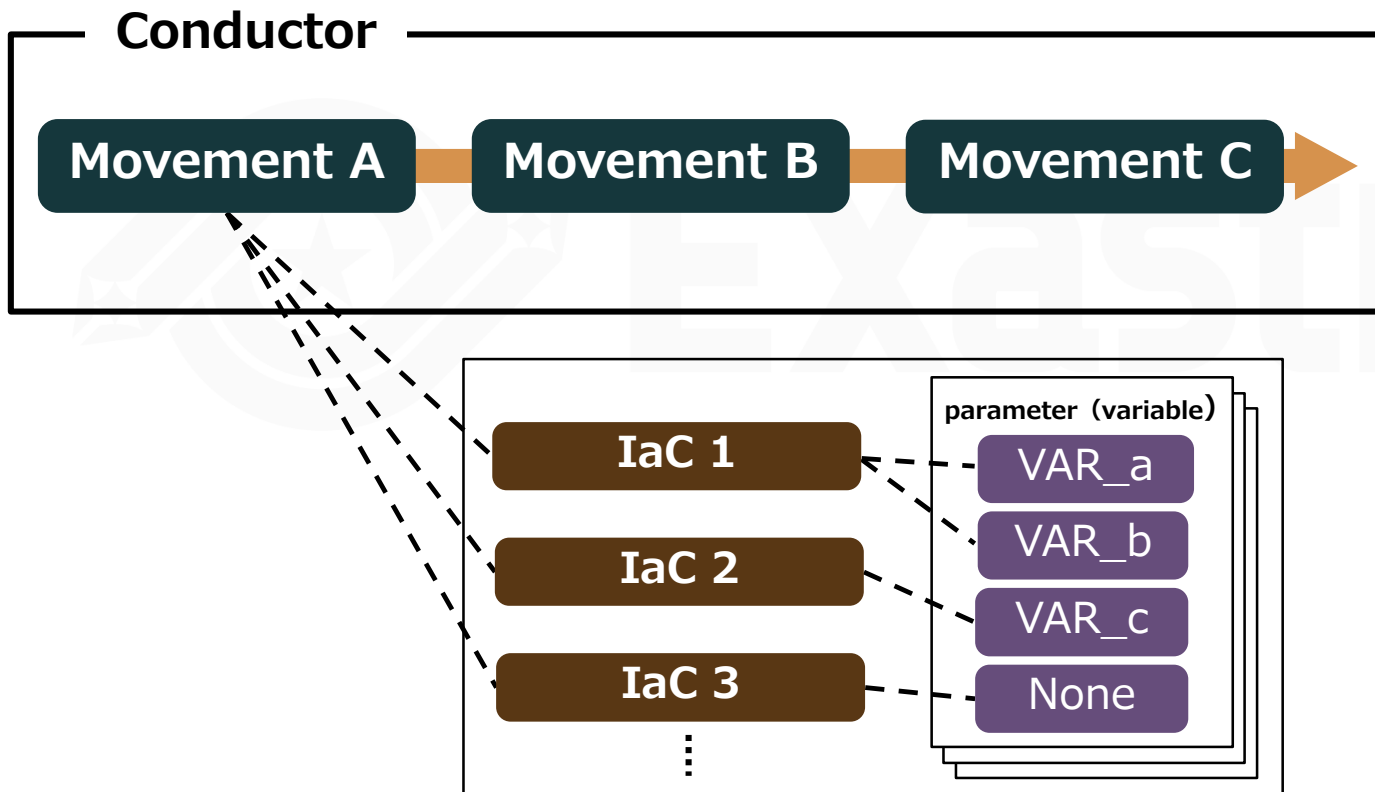
- About the "Conductor" of menu group are explained in this document.



2. Description about Conductor

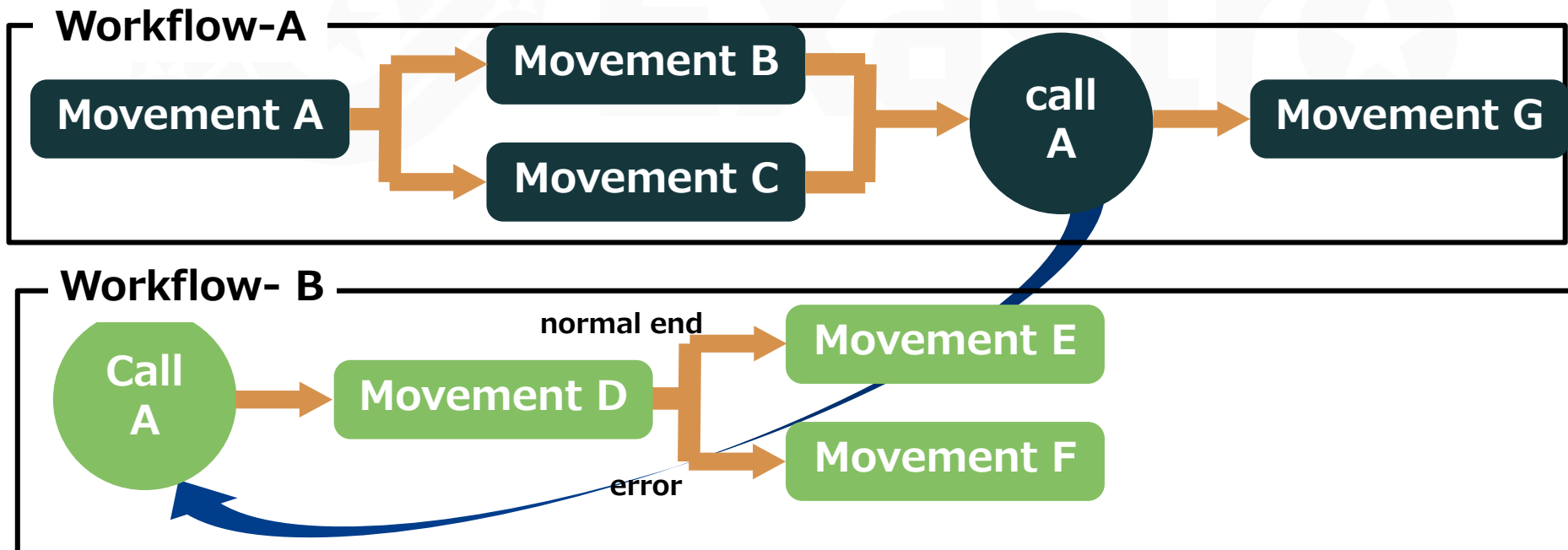
2.1 About Conductor

- Conductor is a function added to ITA from ver1.5.0.
- Conductor refers to a single unit of a series of work in ITA and execute in association with the operation name. (workflow)

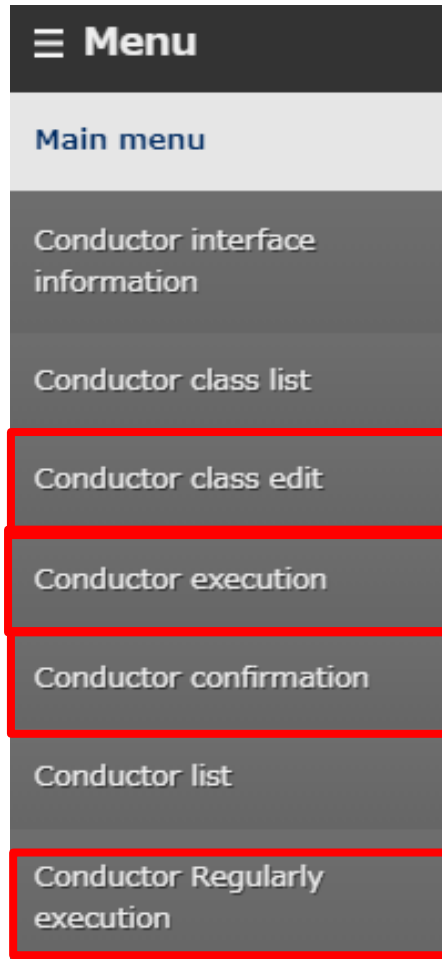


2.2 Conductor features

- In conductor, users can prepare work execution functions similar to the Symphony functions, as well as the functions listed below.
- According to this Conductor allows to perform more sophisticated job follows.
 - **Parallel execution of movement**
 - **Call another job flow**
 - **Conditional branching according to the execution result of movement**



● Introduction of main functions in the Conductor Menu



① **Conductor class edit**

Create an operation using the a created movement.

② **Conductor execution**

Executing the operation.

③ **Conductor confirmation**

Confirm the created operation.

④ **Conductor Regularly execution**

Register an operation and performs execution period.

●Conductor class edit (1/3)

- In the "Conductor class edit" menu Movement and Functions that perform various controls can be added and deleted.

The screenshot shows a software interface for editing a conductor class. At the top, there is a menu bar with buttons: EDIT, New, Save, Read, Cancel, Redo, Delete node, The entire display, Display reset, and full screen. The main workspace is a grid where three components are connected in a sequence: a 'Start' node (blue circle with 'S'), an 'Ansible Legacy' node (red circle with '1'), and an 'End' node (blue circle with 'E'). Red arrows indicate the flow between these nodes. A right-hand panel displays a 'Movement' list with a 'Function' dropdown and a 'Filter' input. Below this is a table of movements. A red box highlights the 'Function' dropdown and the first row of the table. A red arrow points from the 'Function' dropdown to the first row. A blue callout box points to the 'Function' dropdown with the text 'Choose between various Functions.' Another blue callout box points to the first row of the table with the text 'Movements can be combined by dragging and dropping in/out for each movement.' A third blue callout box points to the 'Start' node with the text 'Arrange Movement by dragging and dropping.'

+	ID	movement name
1	1	Legacy1
3	3	Legacy_movem...
5	5	Move1
4	4	move

log

Registration

2.3 Description of the functions in Conductor Menu (3/9)

●Conductor class edit (2/3)

- From the tab near the center right of the screen, select and use the function that controls the conditional branching of the operation.

The screenshot displays the 'Conductor Menu' interface. At the top, a toolbar includes buttons for 'EDIT', 'New', 'Save', 'Read', 'Cancel', 'Redo', and 'Delete node'. The main workspace features a grid with a workflow diagram. The diagram starts with a 'Conductor Start' node (blue circle with 'S'), followed by a series of nodes connected by lines. A red circle with the number '1' highlights a node labeled 'Ansible Legacy' and 'Legacy1'. A red arrow points from a callout box to this node. Another red circle with the number '3' highlights a node labeled 'Ansible Legacy' and 'Legacy_movement'. A red arrow points from a callout box to this node. On the right side, a panel titled 'Function' is open, showing a list of functions: 'Conductor end', 'Conductor pause', 'Conductor call', 'Conditional branch', 'Parallel branch', and 'Parallel merge'. A red box highlights this list. A callout box points to the 'Function' panel with the text 'Choose between various Functions.' Another callout box points to the workflow diagram with the text 'The function arrangement can be changed by dragging and dropping.' A third callout box points to the 'Function' panel with the text 'Similar to Movement, operation can be combined in/out by dragging and dropping.'









Similar to Movement, **operation** can be combined in/out by dragging and dropping.

The function arrangement can be changed by dragging and dropping.

Choose between various Functions.

●Conductor class edit (3/3)

- Possible to describes the functions. For details refer to menu.

Figure	Name	Description
	Conductor start	Start of Conductor
	Conductor end	End of Conductor ※If there are multiple Conductor end, the operation will end until all Conductor end is achieved.
	Conductor pause	Pause the workflow temporary. Cancel the pause to move on to next step.
	Conductor call	Call another register Conductor class and execute it.
	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. <ul style="list-style-type: none"> • Normal end • Abend • Emergency stop • Preparation error • Unexpected error • SKIP complete
	Parallel branch	Execute "Movement" or "Conductor call" in parallel. ※The maximum parallel process number depends on the configuration and server spec of ITA.
	Parallel merge	Execute all process when all Nodes connected to this Node are finished.
	Movement	Execute Movement

2.3 Description of the functions in Conductor Menu (5/9)

●Conductor execution(1/2)

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

Description

▽Open

Scheduling

Possible to schedule execution timing.

Specify the scheduled date/time in (YYYY/MM/DD HH:MM) Immediately execute when blank.
Scheduled date/time

Conductor [filter]

▽Open

Conductor [List]

△Close

Select	Conductor class ID	Conductor name	Explanation	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	Sample1			2020/09/02 18:28:03	System Administrator
<input type="radio"/>	2	Test			2020/10/08 09:26:00	System Administrator

Select operation and executed Conductor.

Filter result count: 2

Operation [Filter]

▽Open

Operation [List]

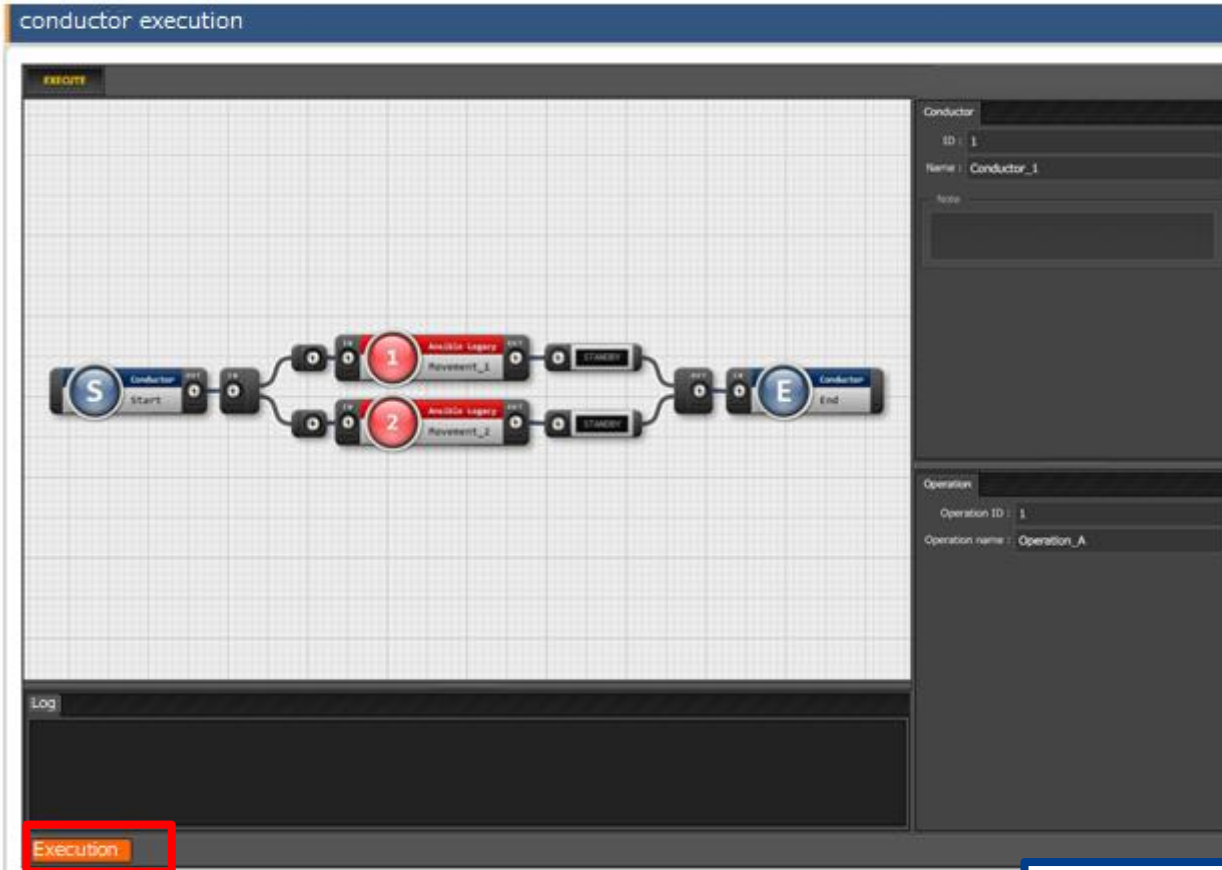
△Close

Select	No.	Operation ID	Operation name	Scheduled date for execution	Last execution date	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	1	Operation1	2020/08/27 16:15	2020/10/15 10:31		2020/10/15 10:31:18	Legacy execution procedure
<input type="radio"/>	2	2	Test Operation	2020/10/08 10:00	2020/10/16 13:45		2020/10/16 13:45:19	Legacy execution procedure

Filter result count: 2

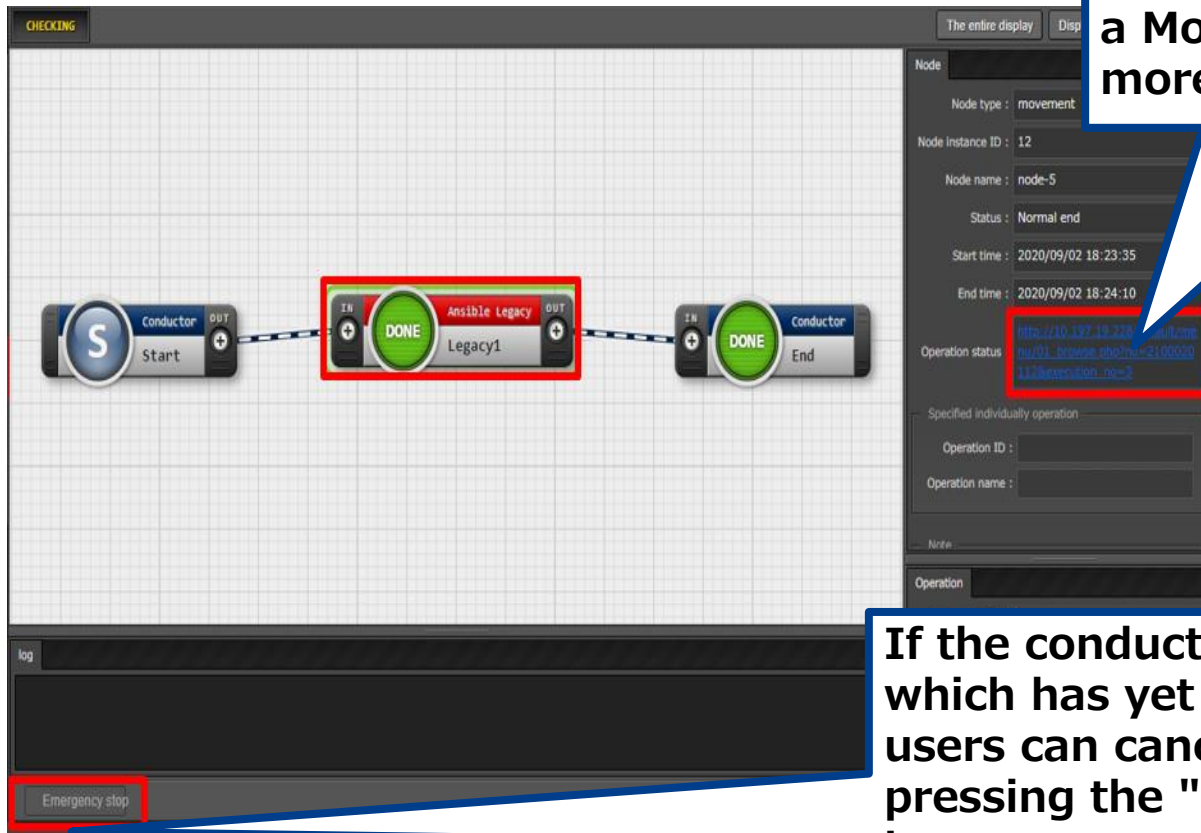
●Conductor execution (2/2)

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



If there is no problem with the contents, press the "Execute" button to execute.

- **Conductor confirmation**
 - Check the execution status from the "Conductor Confirmation Menu".
- Check a detailed status



Check a detailed status of the execution results by pressing a Movement. Click here for more details.

If the conductor has a set schedule which has yet to be executed, users can cancel the schedule by pressing the " schedule cancelling" button.

●Conductor Regularly execution (1/2)

- In the "Conductor Regularly execution" menu, manage work schedule to be executed regularly.

Display filter △Close

Discard	Periodic work execution ID	Conductor class name	Operation name	status	Next execution date	Last update date/time	Last updated by
Exclude discarded records ▼	~				~	~	
	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown			▼ Search from pulldown

Filter Clear filter

☒ Auto-filter

List/Update ▽Open

Register △Close

Periodic work execution ID	Conductor class name *	Operation name *	status	Schedule settings	Next execution date	Start date	End date	pe	Last update date/time	Last updated by
Auto-input	▼	▼	Auto-input	Schedule settings	Auto-input				Auto-input	Auto-input

※*is a required item.

Back Register

A detailed schedule can be set from the "Schedule Settings".

●Conductor Regularly execution (2/2)

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

Set a schedule

Work period

* Start date: 2020/10/19 11:00 End date: 2020/10/29 23:27

Schedule

☒ Time ☐ Day ☐ Week ☐ Month(Specify day) ☐ Month(Specify day of week) ☐ End of month

* Interval: 5 Time

Work suspension period

2020/10/06 23:34 ~ 2020/10/14 23:34

Note

* is a required field

OK Close

Clicking it will display a calendar.

October 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

11:00
12:00
13:00
14:00
15:00
16:00

2.4 Conductor workflow

- Conductor workflow is as follows.
Actual operation is described in the training.

① Register device information

Basic console menu

② Register operation

③ Register Movement

Various driver menu

④ Check Movement

⑤ Register interface information

Conductor menu

⑥ Register Conductor

⑦ Check Conductor

⑧ Execution Conductor

⑨ Check execution result

⑩ Check execution history



Exastro