IT Automation

Conductor【Tutorial】

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

Version 1.7.1

Exastro developer

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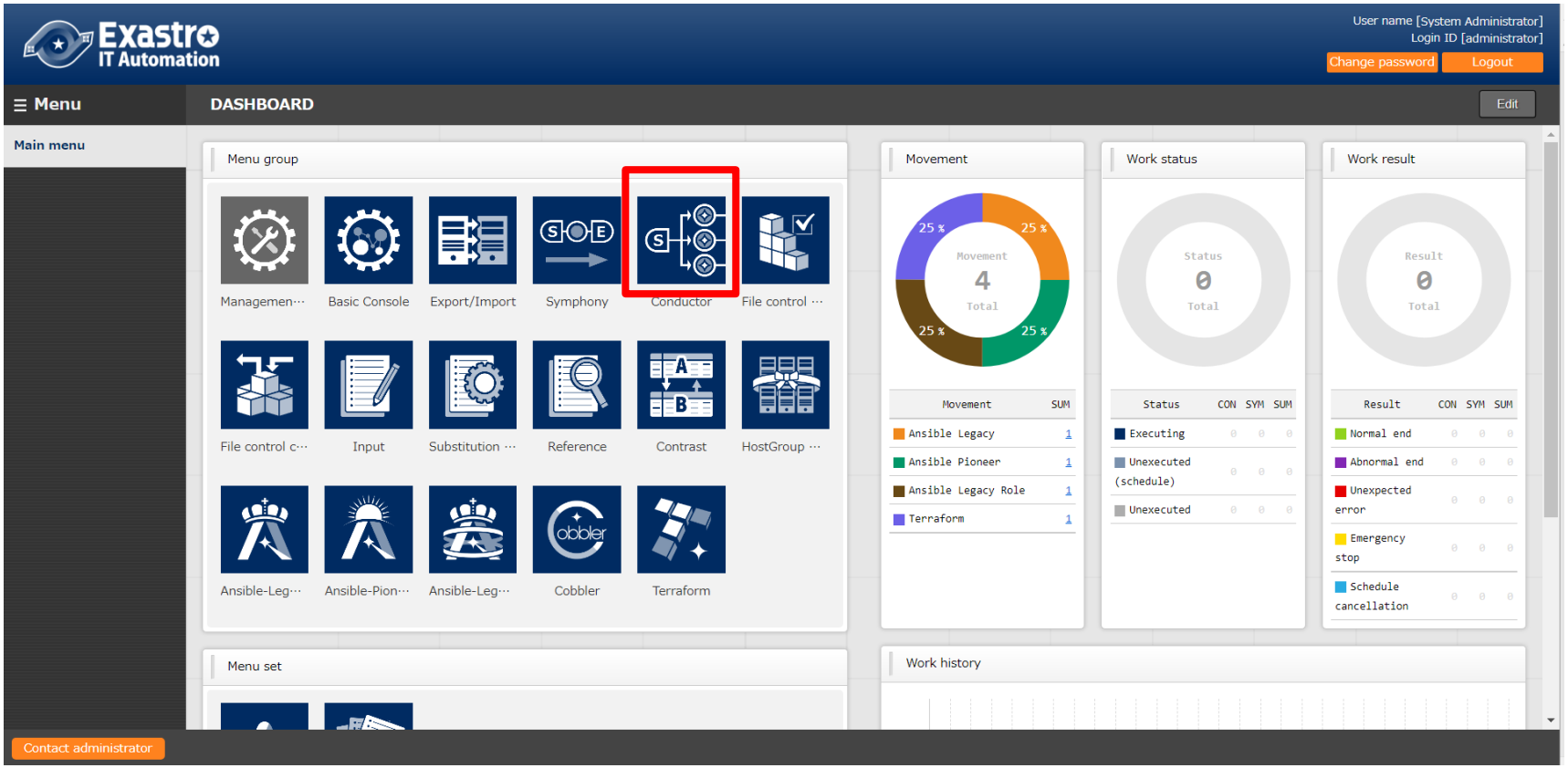
1. Introduction

1.1 About this document

Main menu

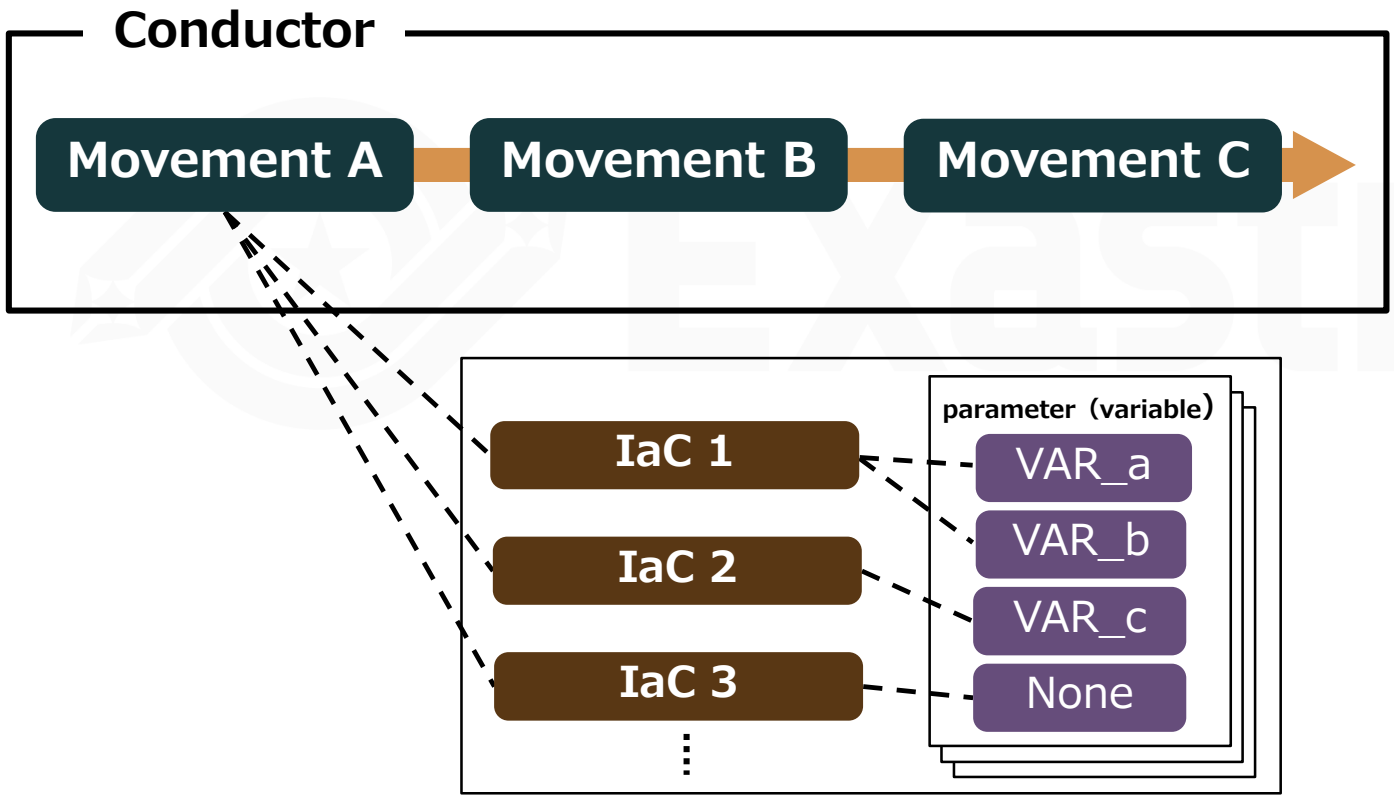
- This document introduces the Conductor menu group.



2. About Conductor

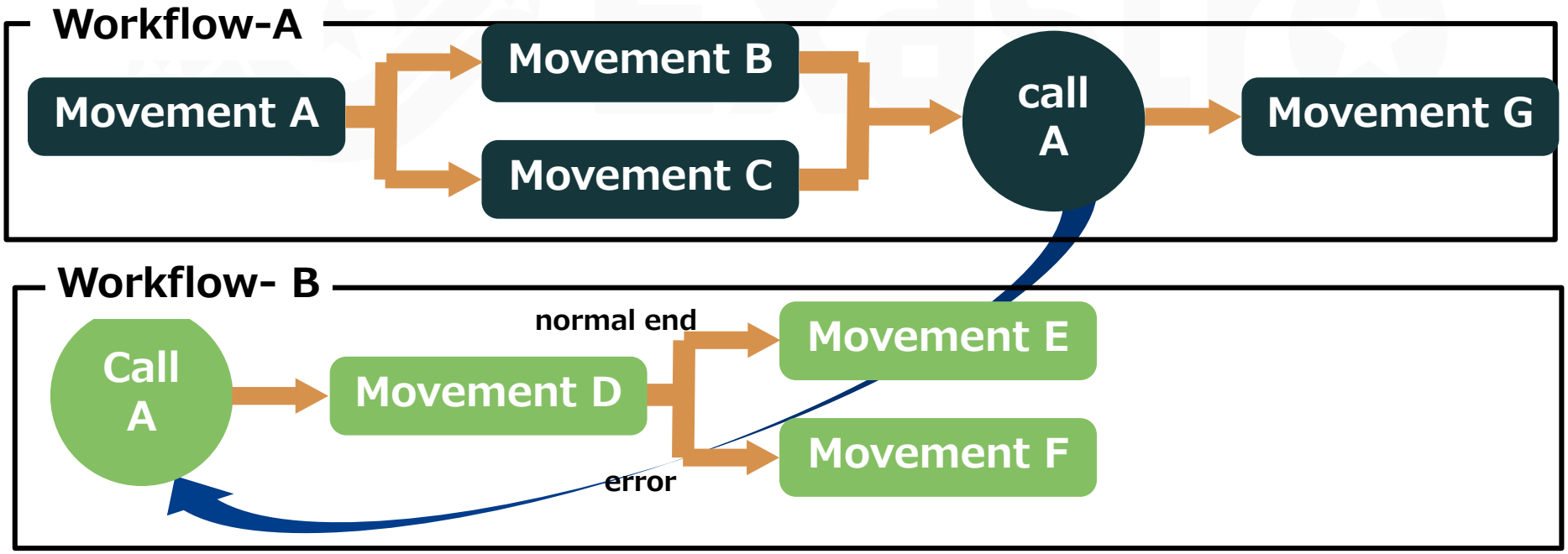
2.1 About Conductor

- Conductor specifies Movements into one sequence and links it to an operation before executing it.



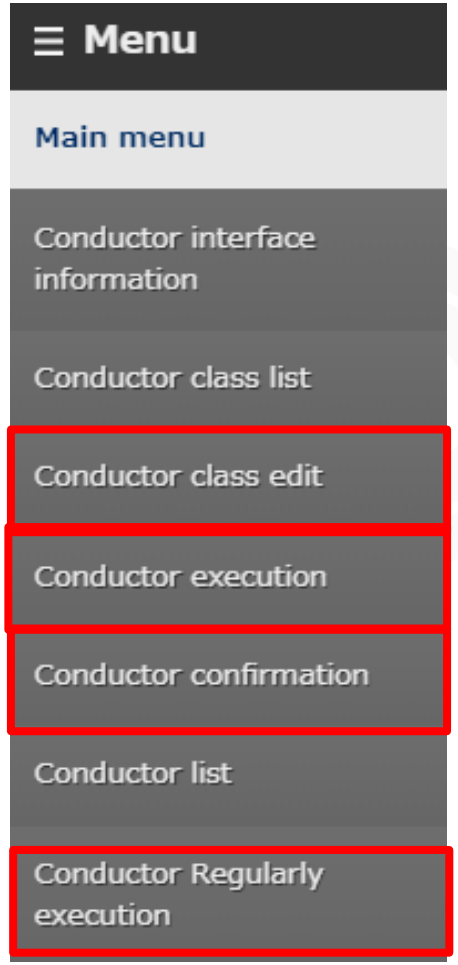
2.2 Conductor features

- 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**
  - **Ability to call other jobflows**
  - **Conditional branching according to the execution result of movement**



2.3 Conductor Function Description (1/11)

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



①Conductor class edit

Create an operation using previously created movement.

②Conductor execution

Execute operations.

③Conductor confirmation

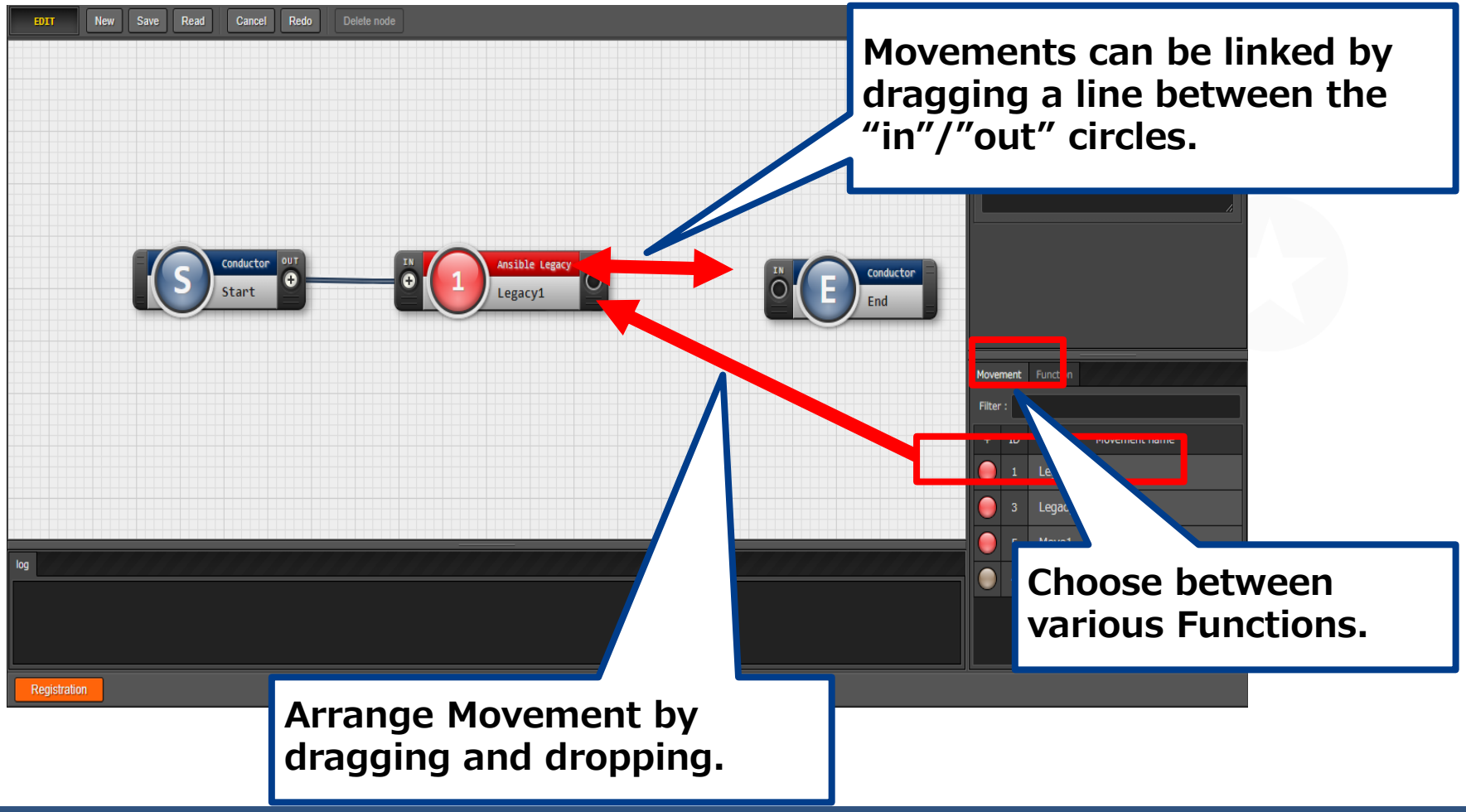
Confirm previously created operations.

④Conductor Regularly execution

Register operations and configure regularly executed jobflows.

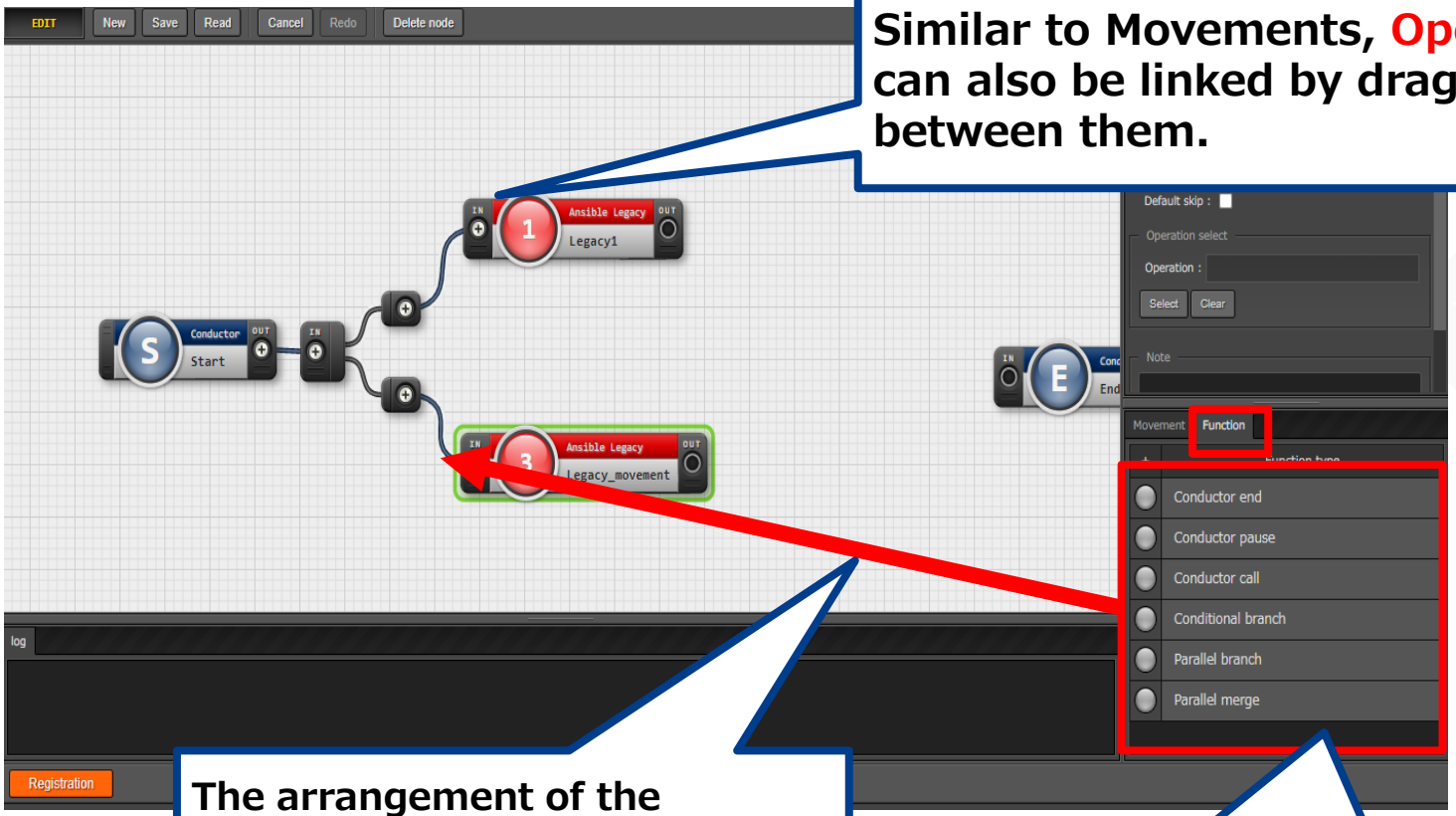
●Conductor class edit（1/4）

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



●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.



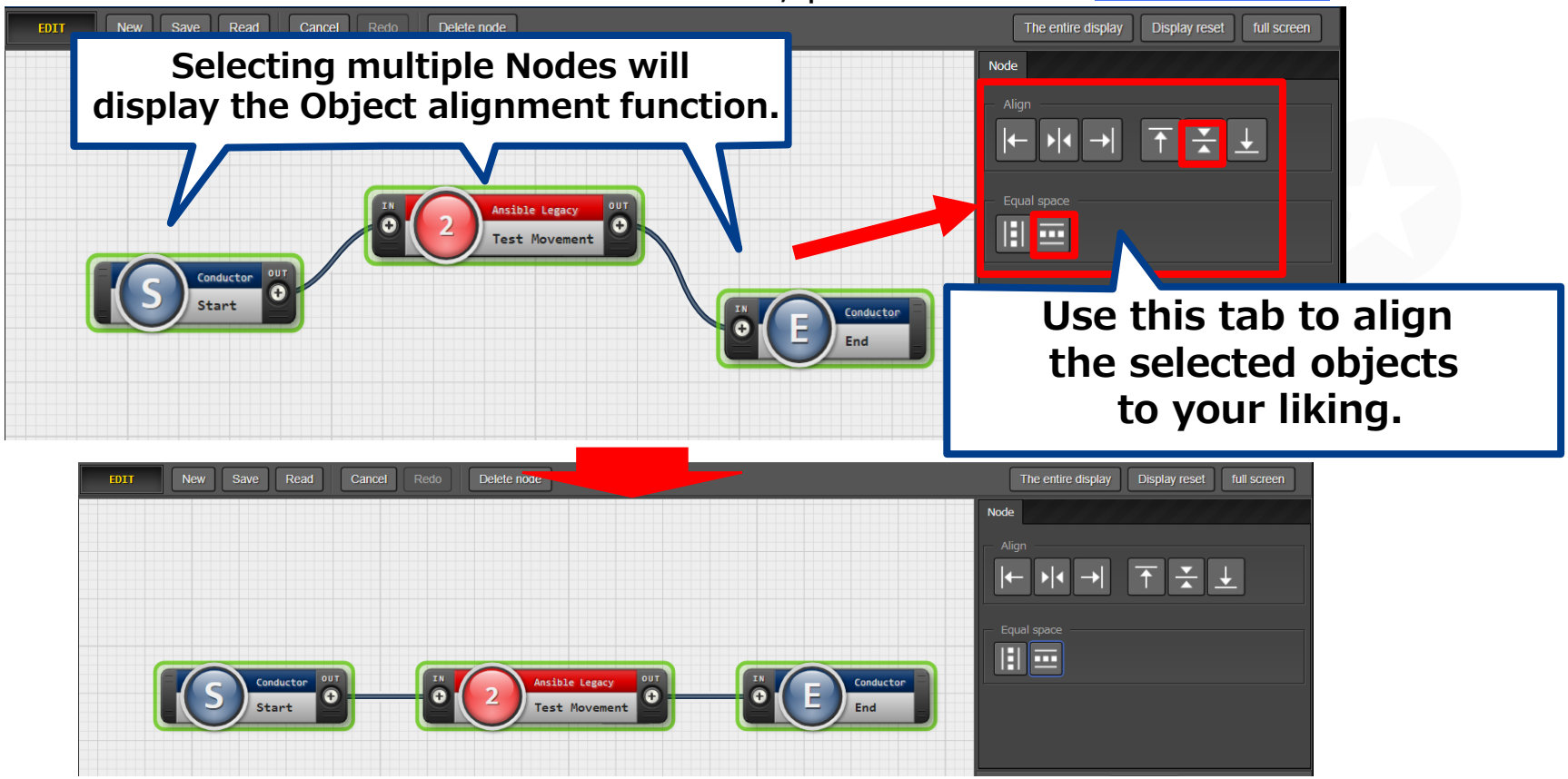
Similar to Movements, Operations can also be linked by dragging a line between them.

The arrangement of the “Function” tab can be changed by dragging and dropping them

Users can choose between different Functions.

●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.



●Conductor class edit（4/4）

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

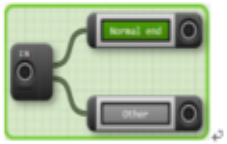
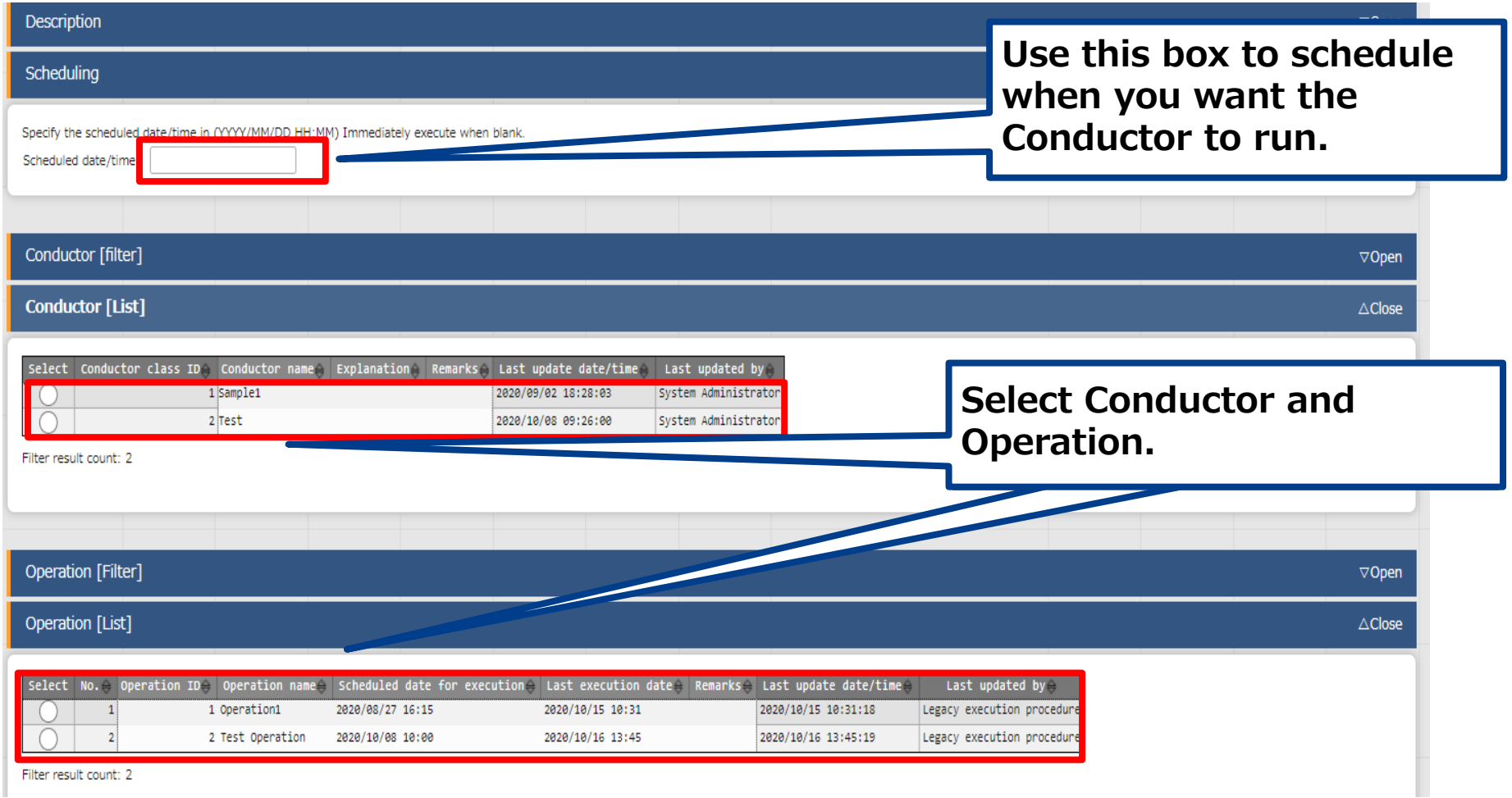
Figure	Name	Description
	Conductor start	Start of Conductor
	Conductor end	End of Conductor ※If there are multiple Conductor end, the operation will end until all Conductor end are complete.
	Conductor pause	Pauses the Jobflow temporarily. Cancel the pause to move on to next step.
	Conductor call	Calls another registered Conductor class and executes 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. ・Normal end ・Abnormal end ・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.

Figure	Name	Description
	Parallel merge	Execute all process when all Nodes connected to this Node are finished.
	Movement	Execute Movement

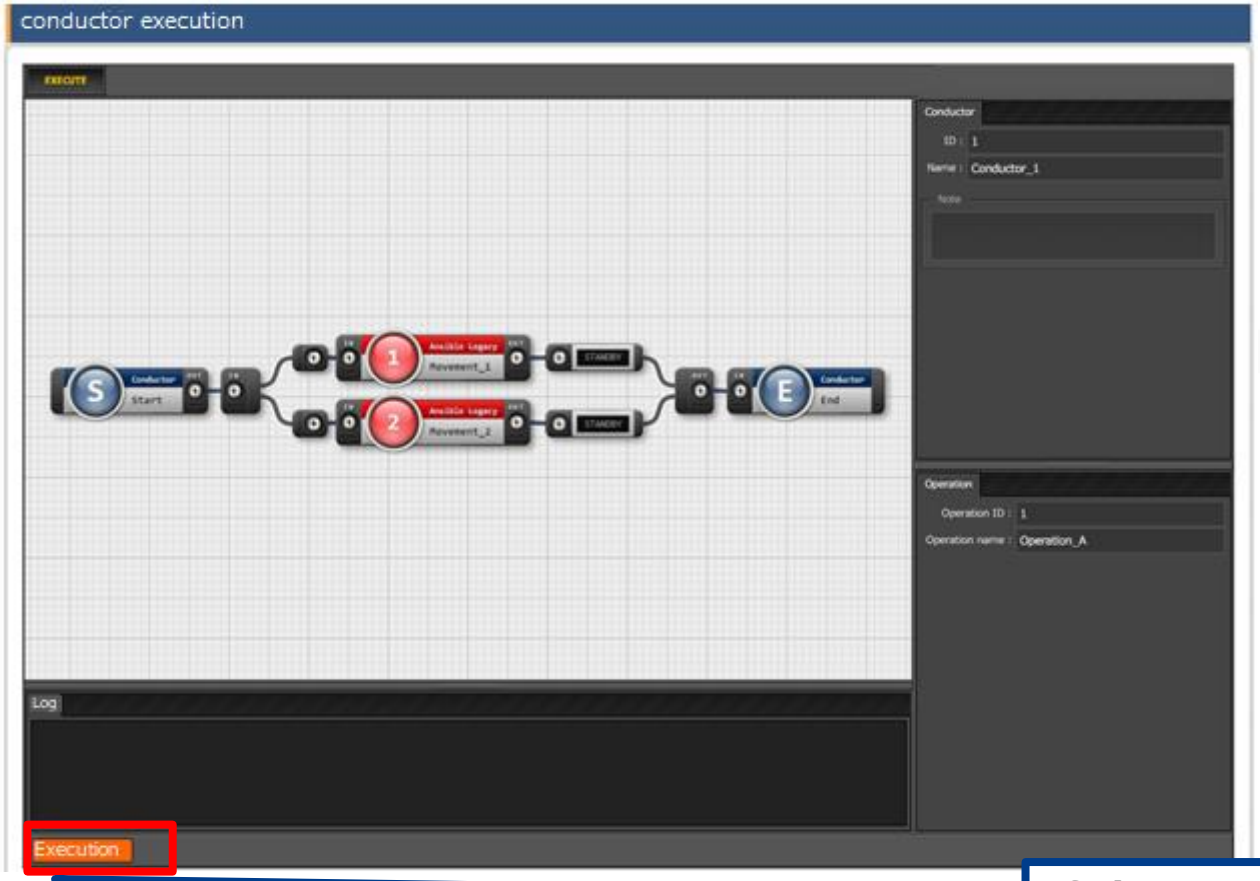
●Conductor execution(1/2)

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



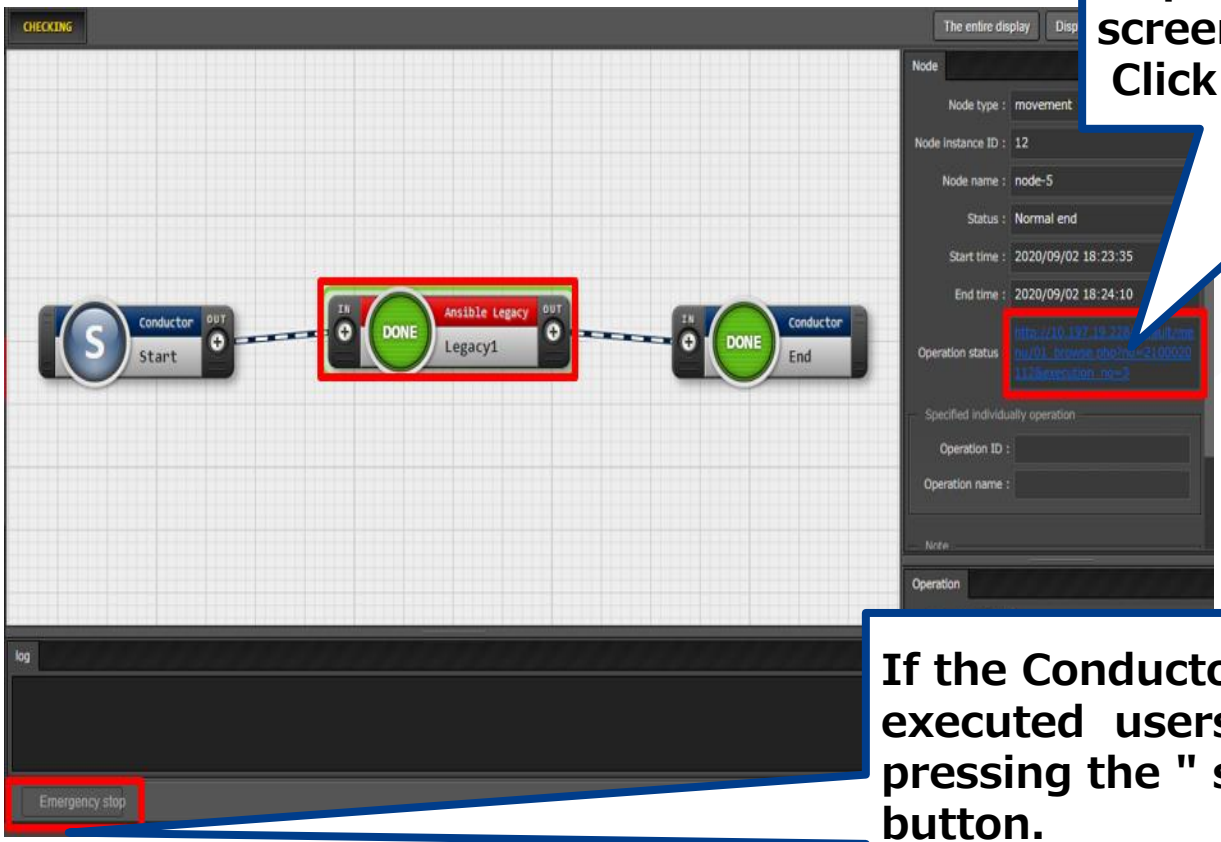
●Conductor execution (2/2)

- 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.

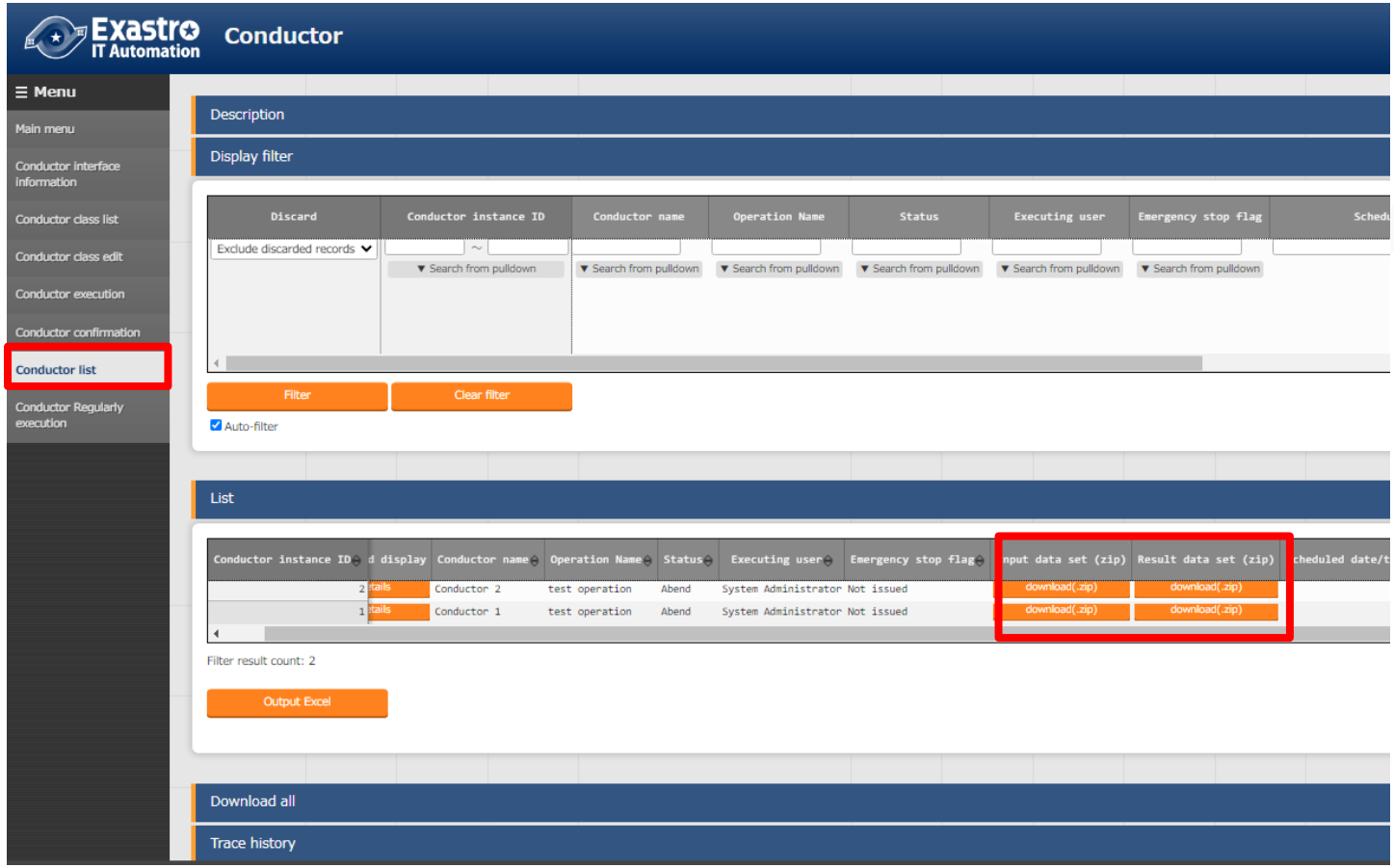
- **Conductor confirmation**
- Check the execution status from the "Conductor Confirmation Menu".



Clicking the movement will display a detailed results screen.
Click here for more details.

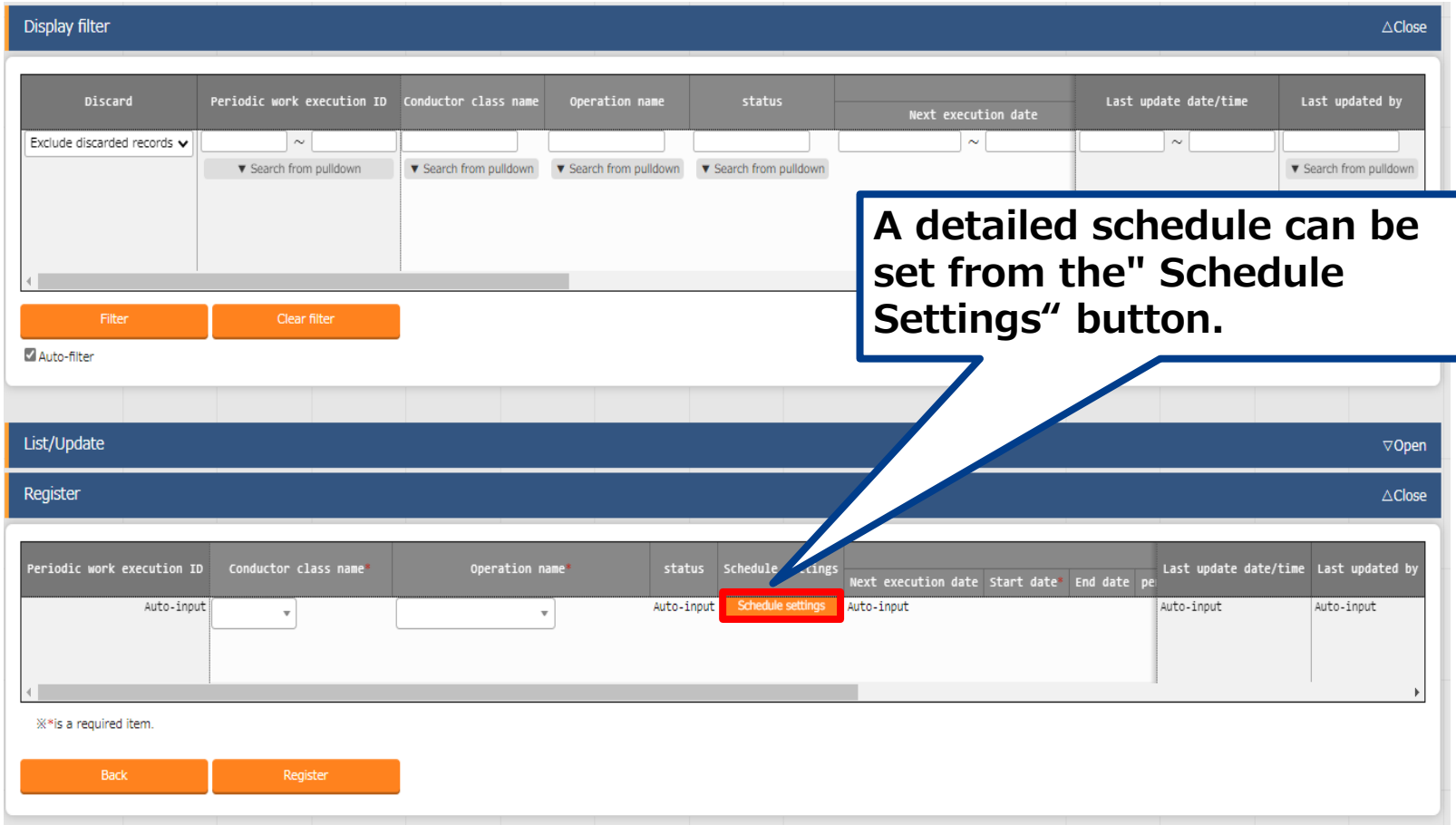
If the Conductor is scheduled to be executed users can cancel it pressing the " schedule cancelling" button.

- **Conductor check（1）**
  In the “Conductor” Menu group -> “Conductor list” menu ->”List” Sub-menu, users can download the input/results data for each Conductor.



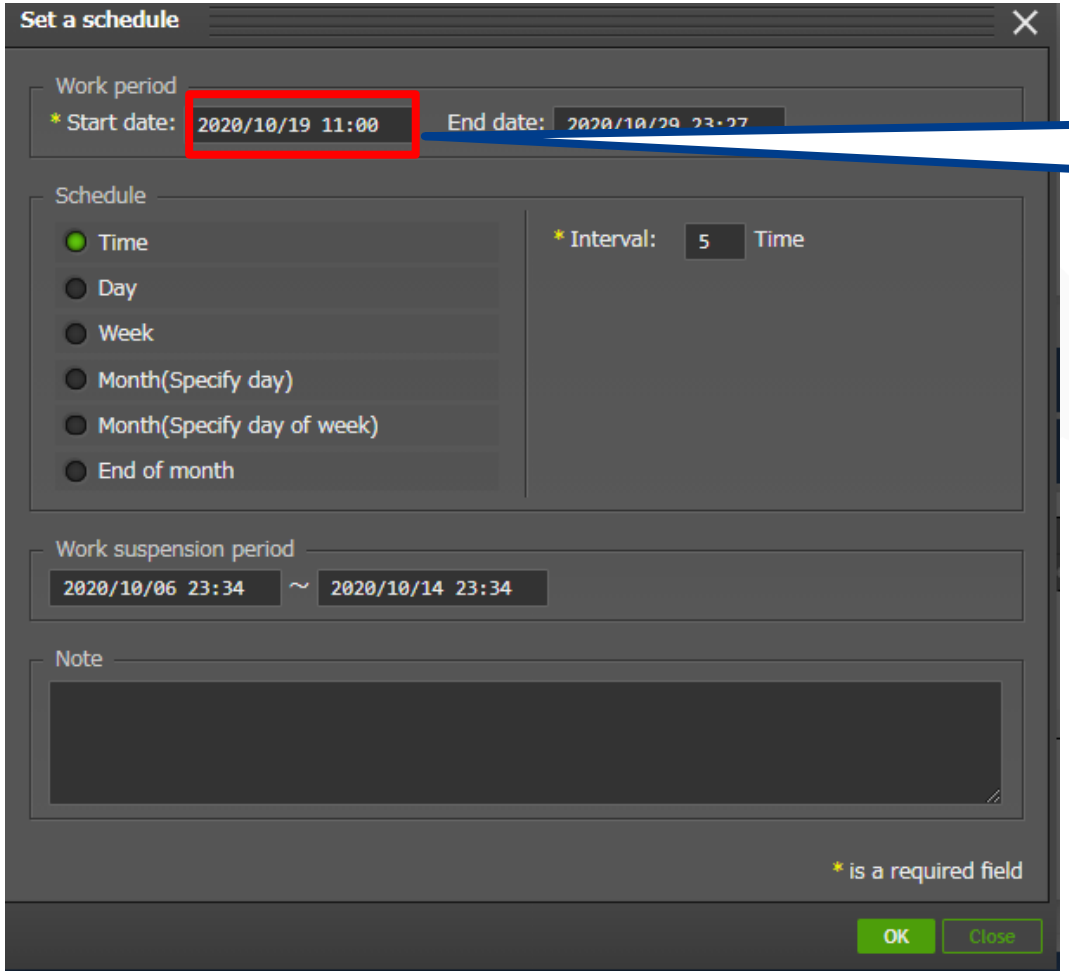
●Conductor Routine Executions（1/2）

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

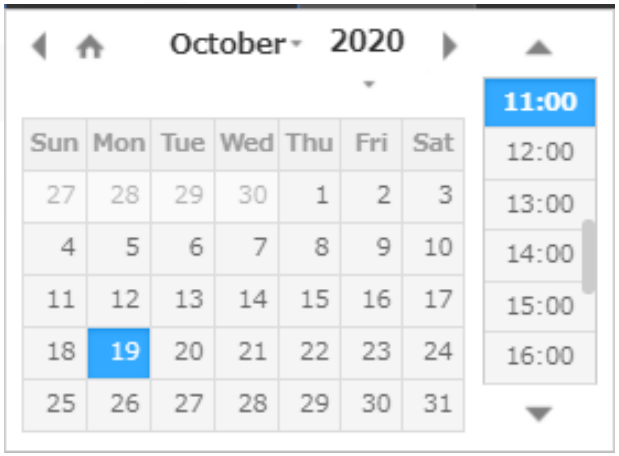


●Conductor Routine Executions（2/2）

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



Clicking here will display a calendar.



2.4 Conductor workflow

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

Basic console menu

① Register device information

② Register operation

Various driver menus

③ Register Movement

④ Check Movement

Conductor menu

⑤ Register interface information

⑥ Register Conductor

⑦ Check Conductor

⑧ Execution Conductor

⑨ Check execution result

⑩ Check execution history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