



ITA_User Instruction Manual

Conductor

— Version 1.8 —

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※「Exastro IT Automation」 is written as 「ITA」 in this document.

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Introduction

This document describes the functions and operation methods of the ITA Conductor function.

1 Overview of ITA Conductor

This chapter explains the functions and operation methods of the Conductor menu.

Conductor menu provides the following functions that are commonly required to perform work using ITA.

- Create, manage, execute jobflow

Refer to the 「First Step Guide」 for the position of the Conductor menu in the ITA operation procedure.

2 ITA Conductor menu screen configuration

This chapter explains the menu and screen configuration of the ITA Conductor menu.

2.1 ITA Conductor menu list

The ITA common/Conductor menu is shown below

Table 2.1-1 ITA Conductor screen list

No	Menu Group	Menu / Screen	Description
1	Conductor	Conductor interface information	Maintain (View/Register/Update/Discard) settings such as shared directory path of Movement when executing Conductor
2		Conductor class list	Maintain (View/Discard) Conductor class. Click "Details" to move to Conductor class edit menu.
3		Conductor class edit	Edit Conductor class
4		Conductor execution	Execute Conductor operation
5		Conductor confirmation	Check the result of Conductor operation execution
6		Conductor list	View the list Conductor (execution history) Click "Details" to move to Conductor confirmation
7		Conductor regularly execution	Manage Conductor operations that executes routinely.

3 ITA Conductor user instruction procedure

3.1 Jobflow

The standard ITA Conductor jobflow is as follows.

More detailed information regarding each operation is listed in the next section.

- For information regarding registering Device information and Operations, please refer to "Exastro-ITA_User_Instruction_Manual_Basic-Console".
- For information regarding registering Movements, please refer to the different driver's manuals.
- It is possible to use the Movement's shared directory path, even when Conductor is running.

If you need information to be delivered between Movements, you can do so by using a shared directory path.

However, only Ansible_Driver can use this function.

For more information, please see Exastro-ITA_User_Instruction_Manual_Ansible-driver.

The workflows done in both "Conductor call" and "Symphony call" have their own common directory.

(Movements that strides over the workflows are not shared)

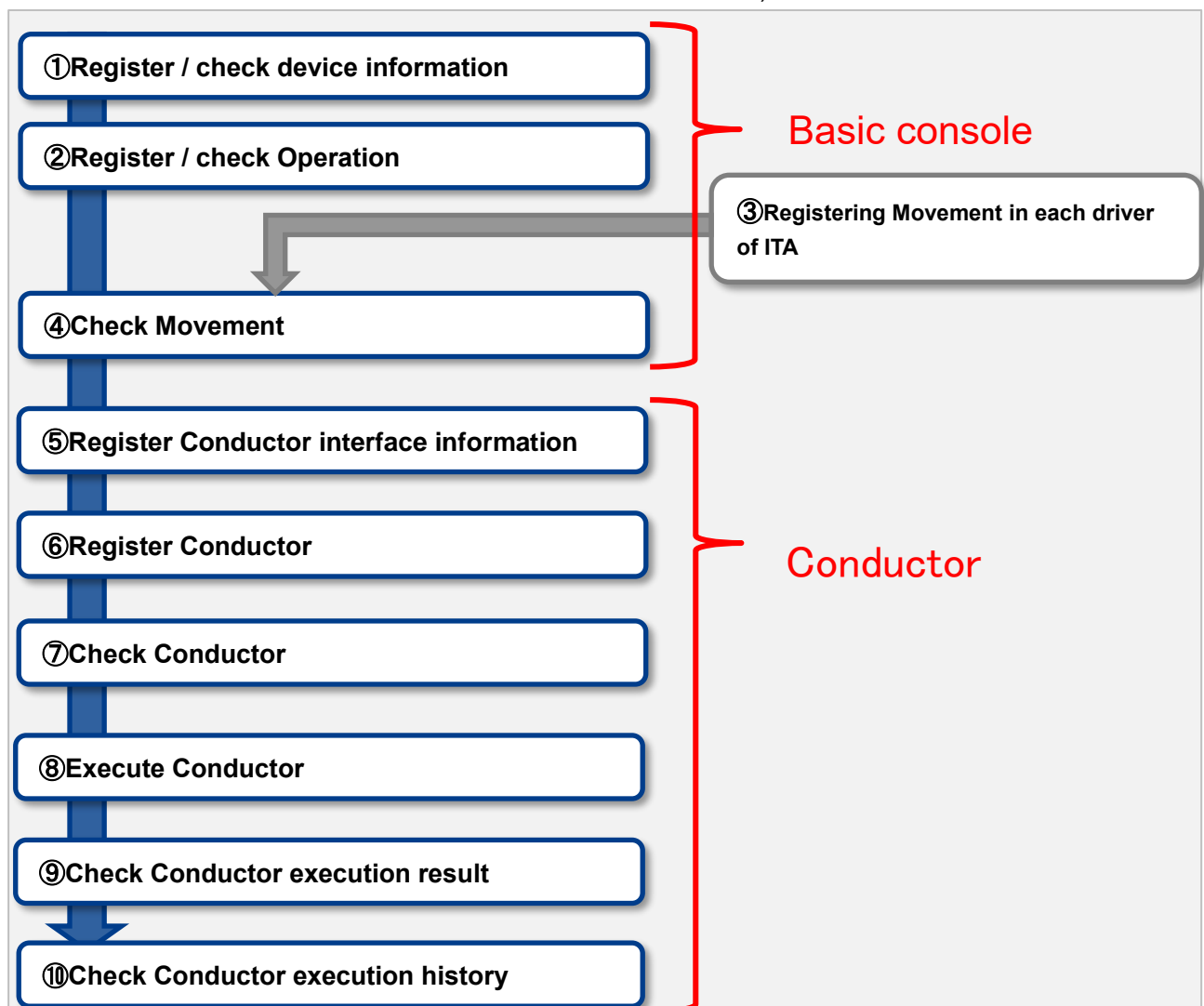


Figure 3.1-1 Jobflow

4 Function and operation method description

4.1 ITA Conductor

4.1.1 Conductor interface information

- (1) In [Conductor interface information] screen, users can set the path of shared directory for each Movement executed by Conductor and the refresh interval for [Conductor confirmation] screen.

Figure 4.1-1 (Conductor interface information) Menu

- (2) The list of common items on the registration screen is as follows.

Table 4.1-1 List of Registration Screen Items (Conductor interface information)

Item	Description	Input Required	Input type	Restrictions
Data relay storage path	When executing Symphony, enter the directory shared by each Movement with the directory path viewed from the ITA server. For the path viewed from each driver, please refer to the interface information in the instruction manual for each driver. Drivers that can share the directory are as follows. • Ansible • Ansible-Tower	<input type="radio"/>	Manual input	Maximum length 128 bytes
Status monitoring cycle (unit: millisecond)	Enter the interval for refreshing the display of “4.1.4 Conductor execution”. Generally, it is recommended to set the number to 3000 millisecond.	<input type="radio"/>	Manual input	Minimum value 1000ms
Remarks	Free description field	-	Manual input	-

4.1.2 Conductor class list

- (1) In the [Conductor class list] screen, users can view or discard registered Conductor classes. Click the “Details” button to move the edit screen “[4.1.3 Conductor class edit](#)”.

The screenshot shows the Exastro IT Automation Conductor interface. On the left is a 'Menu' sidebar with options: Main menu, Conductor interface information, **Conductor class list** (highlighted with a red box), Conductor class edit, Conductor execution, Conductor confirmation, Conductor list, and Conductor Regularly execution. The main content area has a top bar with 'Description' and 'Open' buttons, and a 'Display filter' section with 'Close' button. Below this is a filter section with dropdowns for 'Discard', 'Conductor class ID', 'Conductor name', 'Explanation', 'Last update date/time', and 'Last updated by'. There are 'Filter' and 'Clear filter' buttons, and an 'Auto-filter' checkbox. The 'List' section shows a table with columns: Discard, Conductor class ID, Detailed display, Conductor name, Explanation, Remarks, Last update date/time, and Last updated by. The table contains one row with a 'Discard' button, the value '1', a 'Details' button, and the text 'Sample1'. Below the table, it says 'Filter result count: 1' and has an 'Output Excel' button. The bottom of the interface has a 'Contact administrator' button.

Discard	Conductor class ID	Detailed display	Conductor name	Explanation	Remarks	Last update date/time	Last updated by
Discard	1	Details	Sample1			2020/08/26 09:52:36	System Administrator

Figure 4.1-2 (Conductor class list) Menu

4.1.3 Conductor class edit

(1) "Conductor class edit"

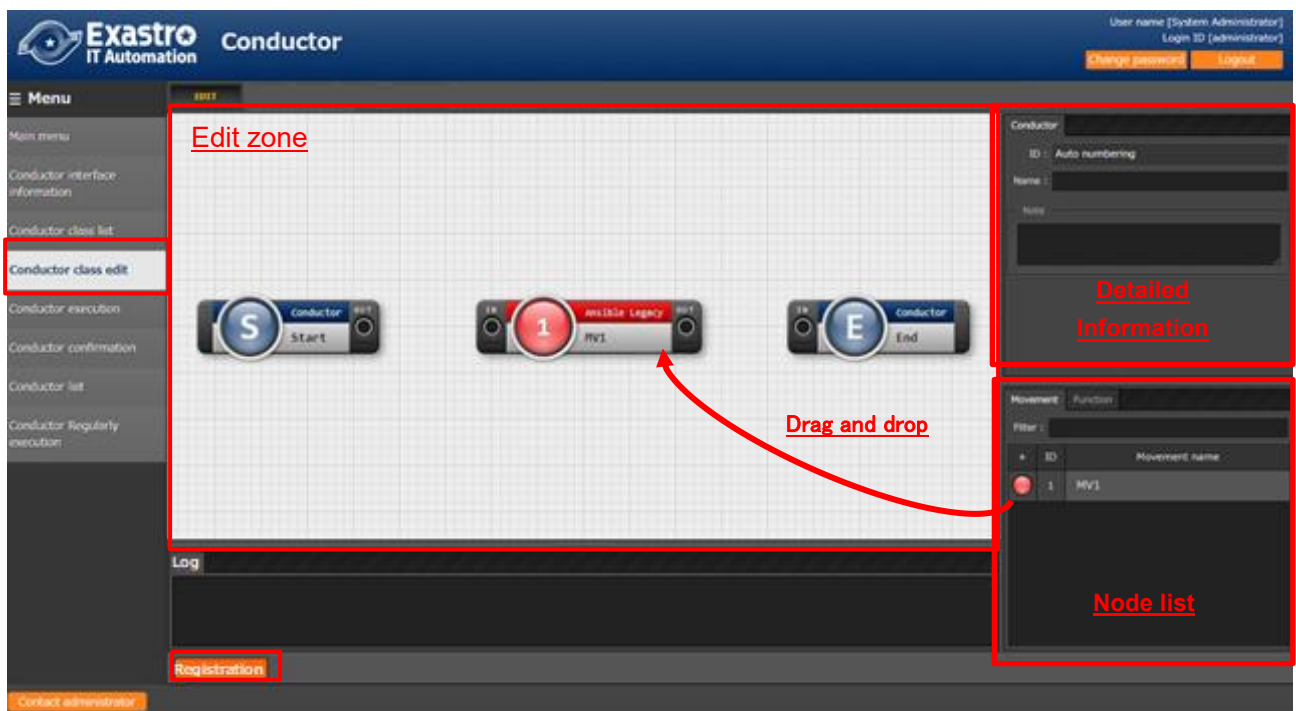
- Users can register Conductor names and parts that makes up the job flow (also called Nodes)
- This screen has two different modes. Please see the table below for more information.
-

Table 4.1-2 Conductor class edit screen mode list

Mode	Description
EDIT	<ul style="list-style-type: none">• The mode that users can edit Conductor class• Default mode of Conductor class edit screen• Switch to VIEW mode by clicking register/update button in EDIT mode
VIEW	<ul style="list-style-type: none">• The mode that users can only view Conductor class• The mode that is displayed when clicking the "Details" button in Conductor class list• Switch to EDIT mode by clicking the edit button in VIEW mode

For more information about operating the different modes, please refer to "**Table 4.1-13 "Conductor class edit" Menu Operation list.**

- The contents displayed in the "Detailed Information "section changes depending on the selected Node





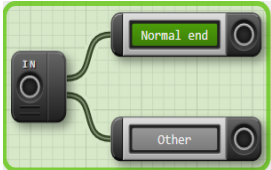



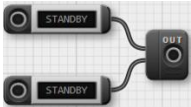

• **Figure 4.1-3 Submenu screen (Conductor class edit: EDIT)**

- Node list
 - The Nodes available are displayed in the bottom right area of the screen
 - The Nodes can be created from the following tabs.
 - i. Movement tab
 - ✧ List of ID and name of registered Movement.
 - ii. Function tab
 - ✧ Conductor end
 - ✧ Conductor pause
 - ✧ Conductor call
 - ✧ Symphony call
 - ✧ Conditional branch
 - ✧ Parallel branch
 - ✧ Parallel merge

(2) The following table shows the different conductors and their function.

Table 4.1-3 Node list

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. <ul style="list-style-type: none"> •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.

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

The following section lists the different restrictions for using Nodes.

IN/OUT of all Nodes have to be connected.

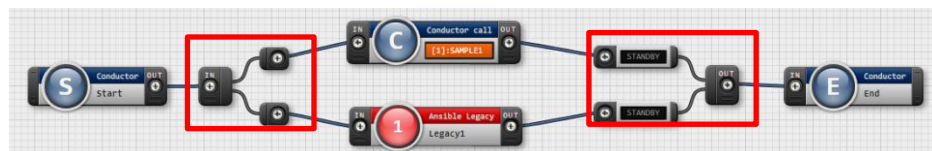


Figure 4.1-4 Node restriction (Correct example: Parallel branch)

If you want to use a Parallel merge node, you must also use a Parallel branch

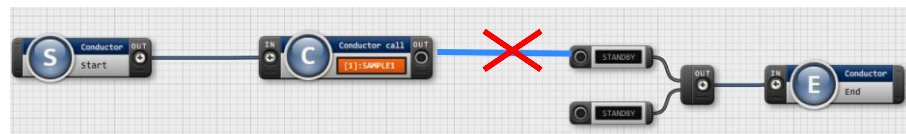


Figure 4.1-5 Node restriction (Bad example: Parallel branch)

• Flow that is branched by Conditional branch can't be merged to Parallel merge.

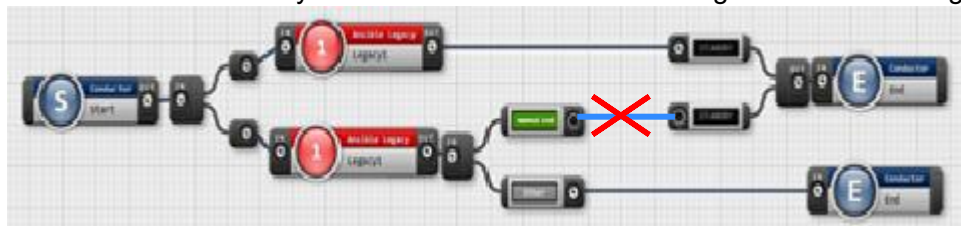


Figure 4.1-6 Node restriction (Bad example: Conditional branch)

• For Parallel branch, Conditional branch, Parallel merge, and Conductor pause, it is invalid to connect them to same type of Node.

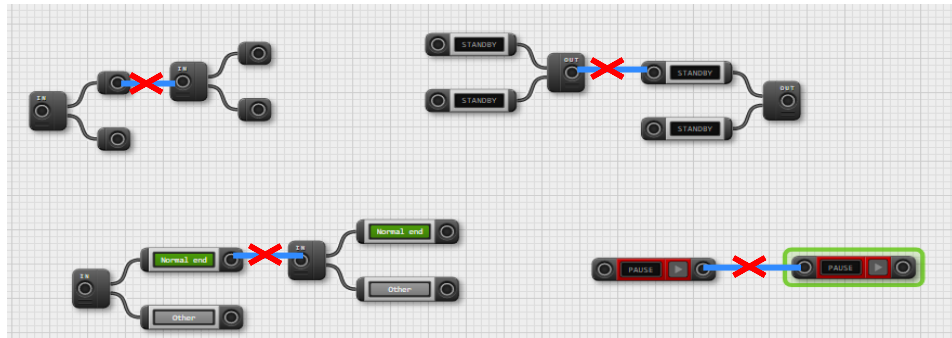


Figure 4.1-7 Node Restriction (Bad example: Successive use)

- It is invalid to assign the Conductor that is currently begin updated to Conductor Call.

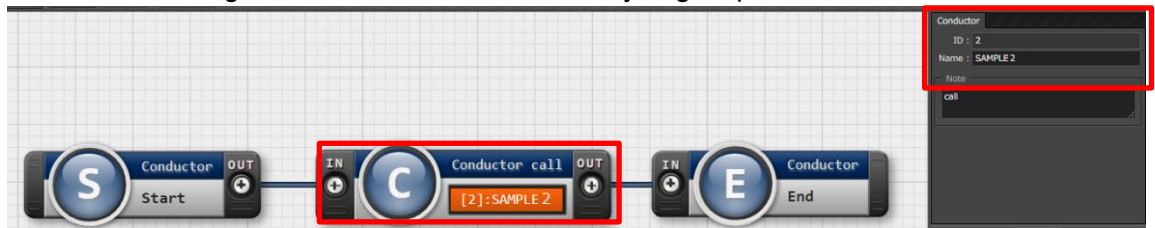


Figure 4.1-8 Node restriction (Bad example: Conductor call)

- User can set Nodes by drag and drop the Nodes on the bottom-right side of screen
- Users can memo the description of operation or comment in the Note column of each node.
- The column is only for reference on the web, it doesn't affect operation execution.
- Click the “Register” button after setting up Nodes to register the Conductor class.

Detailed Information

- In the upper left area of the screen, users can see detailed information about the selected node.
- The name of the tab changes depending on the node selected.

- Conductor name tab
 - This tab is displayed when no node is selected
 - The items found in the tab are as following.

Table 4.1-4 “Conductor name” Tab

Item	Description	Input Required	Input type	Restriction
ID	Unique ID for Conductor is auto-numbered	-	Auto input	-
Name	Enter any desired name for Conductor class	○	Manual input	-
Role	Select the role that have access to this Conductor. If no role is selected, all role will be have access.		Select	
Note	Enter description and comment for Conductor class	-	Manual input	-

Conductor name

ID : Auto numbering

Name :

Permission role

Role : System Administrator

Permission role select

Note

Figure 4.1-9 “Conductor” name tab

Select	ID	Name
<input checked="" type="checkbox"/>	1	System administration
<input type="checkbox"/>	2	Role1
<input type="checkbox"/>	3	Role2

Decision Delete

Figure 4.1-10 “Permission role select” popup

- i. Movement details and input items
 - This tab is displayed if a Node is selected in the Node list Movement tab.
 - The items found in the tab are as following.

Table 4.1-5 “Movement” tab

Item	Description	Input required	Input type	Restriction
Movement ID	ID of the selected Movement is displayed.	-	Auto input	-
Orchestrator	Orchestrator name of the selected Movement is displayed.	-	Auto input	
Name	Name of the selected Movement is displayed.	-	Auto input	-
Default skip	Target operation will be skipped if checked. This is a parameter that can be changed in Conductor execute screen.	-	Manual input	
Operation	<ul style="list-style-type: none"> • Click the Select button to select Operation from the displayed list. • The name of the Operation class will be displayed. 	-	Select	-
Note	Enter a comment or a description regarding the Node.		Manual input	

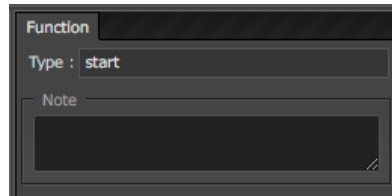
Figure 4.1-12 “Movement” tab

Figure 4.1-13 “Operation select” popup

- ii. Node (common) details and input items
 - This tab is displayed if “Conductor start”, “Conductor end” or “Conductor pause” is selected in the Node list’s Function tab.
 - The items found in the tab are as following.

Table 4.1-6 “Function” tab

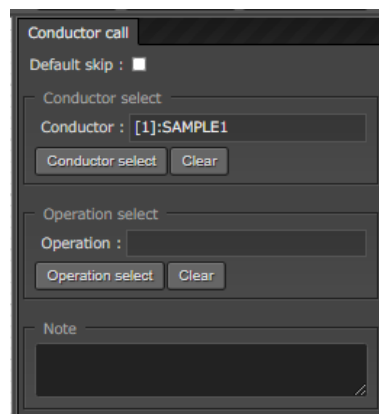
Item	Description	Input required	Input type	Restriction
Type	Type of selected Node is displayed	-	Auto input	-
Note	Enter a comment or a description regarding the Node.	-	Manual input	-

**Figure 4.1-11 “Function” tab**

- iii. Conductor call details and input items
- This tab is displayed if “Conductor call” is selected in the Node list’s Function tab.
 - The items found in the tab are as following.

Table 4.1-7 “Conductor call” tab

Item	Description	Input required	Input type	Restriction
Default skip	Target operation will be skipped if checked. This is a parameter that can be changed in Conductor execution screen.	-	Manual	-
Conductor	• Click the Select button to select Conductor class from the displayed list. • The name of the Conductor class will be displayed.	○	Select	-
Operation	• Click the Select button to select Operation from the displayed list. • The name of the Operation class will be displayed.	-	Select	-
Note	Enter a comment or a description regarding the Node.		Manual input	

**Figure 4.1-14 “Conductor call” tab**

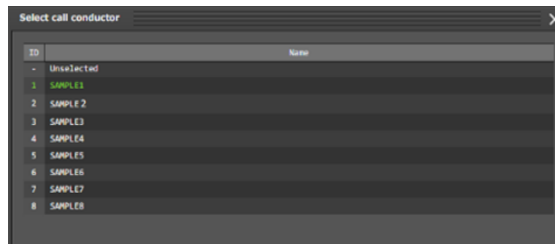


Figure 4.1-15 “Conductor select” popup

- iv. “Symphony call” tab.
- This tab is displayed if “Symphony call” is selected in the Node list’s Function tab.
 - The items found in the tab are as following.

Table 4.1-8 “Symphony call” tab

Item	Description	Input required	Input type	Restriction
Default skip	Target operation will be skipped if checked. This is a parameter that can be changed in Conductor execution screen.	–	Manual input	–
Symphony	• Click the Select button to select Symphony class from the displayed list. • The name of the Symphony class will be displayed.	○	Select	–
Operation	• Click the Select button to select Operation from the displayed list. • The name of the Operation class will be displayed.	–	Select	–
Note	Enter a comment or a description regarding the Node.		Manual input	

The screenshot shows the 'Symphony call' tab interface. At the top, there is a 'Default skip' checkbox. Below it is the 'Symphony select' section, which includes a text input field labeled 'Symphony :', a 'Symphony select' button, and a 'Clear' button. Underneath is the 'Operation select' section, featuring a text input field labeled 'Operation :', an 'Operation select' button, and a 'Clear' button. At the bottom is a 'Note' section with a large text area for entering comments or descriptions.

4.1-10 “Symphony call” tab

The screenshot shows the 'Select call symphony' popup window. It has a title bar with a close button (X). The main area contains a table with two columns: 'ID' and 'Name'. The table lists the following items:

ID	Name
1	Unselected
2	SAMPLE1
3	SAMPLE2
4	SAMPLE3
5	SAMPLE4

 At the bottom right of the window, there are two buttons: 'Decision' (highlighted in green) and 'Delete'.

4.1-17 “Symphony select” Popup

v. Parallel branch tab

- This tab is displayed if “Parallel branch” is selected in the Node list’s Function tab.
- The items found in the tab are as following.

Table 4.1-9 “Parallel branch” tab

Item	Description	Input required	Input type	Restriction
case	Set number of branches. 2 branches is set on default, click the following to add or delete branch. •Add •Delete	-	Select	
Note	Enter a comment or a description regarding the Node.		Manual input	

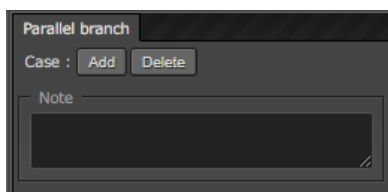


Figure 4.1-18 “Parallel branch” tab

vi. Conditional branch tab

- This tab is displayed if “Conditional branch” is selected in the Node list’s Function tab.
- The items found in the tab are as following.

Table 4.1-10 Conductor class edit item list (Conditional branch)

Item	Description	Input required	Input type	Restriction				
case (1-6)	<p>Set conditional branch according to the execution result of Movement and Conductor Call.</p> <p>User can change the condition by drag and drop</p> <p>The following is set by default</p> <table><tr><td>Case1</td><td>Normal end</td></tr><tr><td>Other</td><td>Abnormal end、Emergency stop, Preparation error, Unexpected error, Skip complete</td></tr></table>	Case1	Normal end	Other	Abnormal end、Emergency stop, Preparation error, Unexpected error, Skip complete	-	Select	
Case1	Normal end							
Other	Abnormal end、Emergency stop, Preparation error, Unexpected error, Skip complete							
Note	Enter a comment or a description regarding the Node.		Manual input					

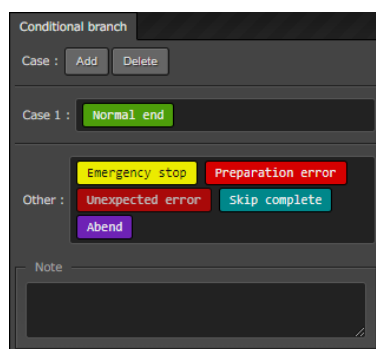


Figure 4.1-19 “Conditional branch” tab

vii. Conditional branch details and input items

Table 4.1-11 “Merge” tab

Item	Description	Input required	Input type	Restriction
case	Select the number of parallel operation. 2 branches is set on default, click the following to add or delete branch. •Add •Delete	–	Select	
Note	Enter a comment or a description regarding the Node.		Manual input	

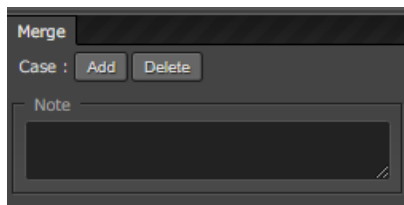










Figure 4.1-20 Detail and input items (Parallel merge)

i. “Node” tab

- This will be displayed if there are multiple nodes selected in the Movement/Function tab in the Node list.
- You can either drag and drop nodes into the selection area, or click multiple nodes while holding the Shift key to select multiple Nodes.
- The items found in the tab are listed below.

Table 4.1- 1 “Node” tab

Item	Description	Input required	Input format	Restrictions
	Aligns the selected nodes to the left	–		–
	Aligns the selected nodes to the left and right center	–	Select	–
	Aligns the selected nodes to the right	–	Select	–
	Aligns the selected nodes to the top	–	Select	–
	Aligns the selected nodes to the top and bottom center	–	Select	–
	Aligns the selected nodes to the bottom	–	Select	–
	Aligns the selected nodes vertically with equally spacing in-between them.	–	Select	–

	Aligns the selected nodes horizontally with equally spacing in-between them.	-	Select	-
---	--	---	--------	---

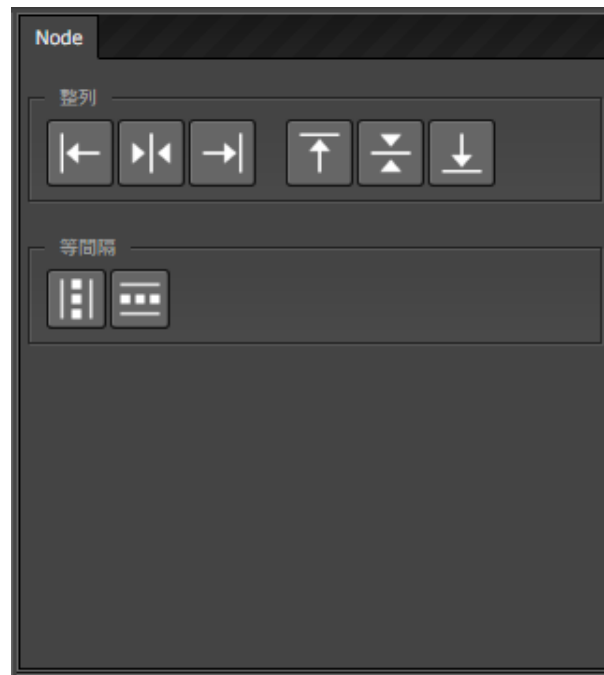


Figure 4.1- 1 “Node” tab

- Operations that can be executed in Class edit screen is as follows.

Figure 4.1-12 List of operations that can be performed in Conductor class edit screen

Item	Description	Register (EDIT)	Update (VIEW)	Update (EDIT)	Remarks
New	Return to the default status.	○	-	-	
Save	Save the current edit screen as file.	○	-	-	
Read	Read and restore status from saved file.	○	-	-	
Cancel	Cancel the previous operation.	○	-	○	
Redo	Redo the cancelled operation.	○	-	○	
Delete node	Delete the selected node.	○	-	○	
Registration	Perform registration	○	-	-	
To Edit	Switch to EDIT mode to perform edit of Constructor class.	-	○	○	
Diversion	Diverse registered Conductor and register a new conductor.	-	○	○	
Update	Update the edited content.	-	-	○	
Reload	Discard the modification and return to the status before edit.	-	-	○	
Cancel	Discard the modification and switch to VIEW mode		-	○	

(2) View mode.

When moving from [Conductor class list] screen to Conductor class edit screen or after registration, the following screen will be displayed

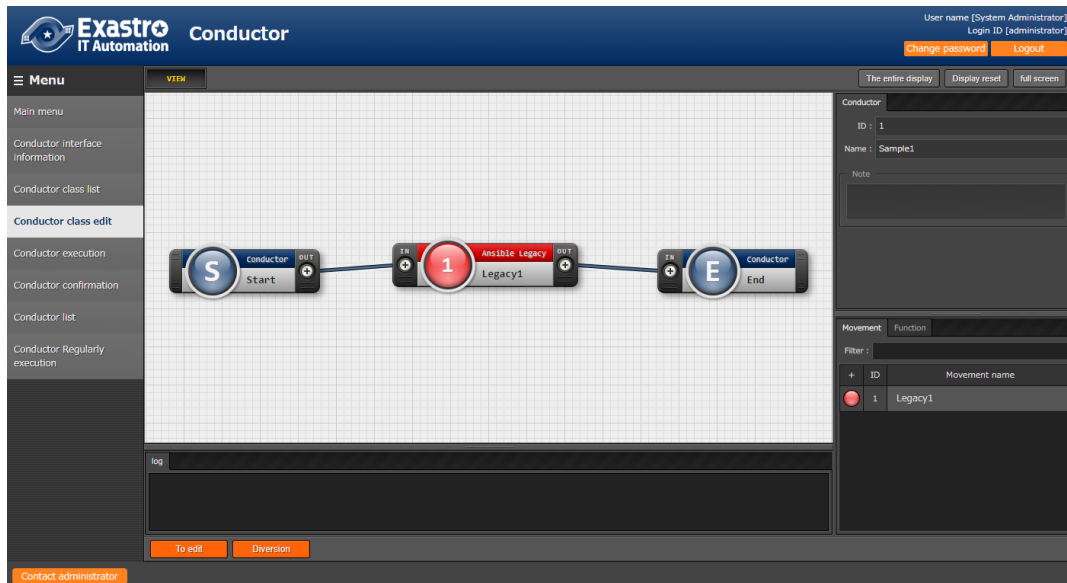


Figure 4.1-21 “Conductor class edit” menu (“View” mode)

Table 4.1- 2 “View” mode

Item	Description
“To edit” button	Press this button to edit a registered Conductor
“Diversion” button	Press this button to copy a registered Conductor.

(3) The following screen will be displayed if “To edit” button is clicked.

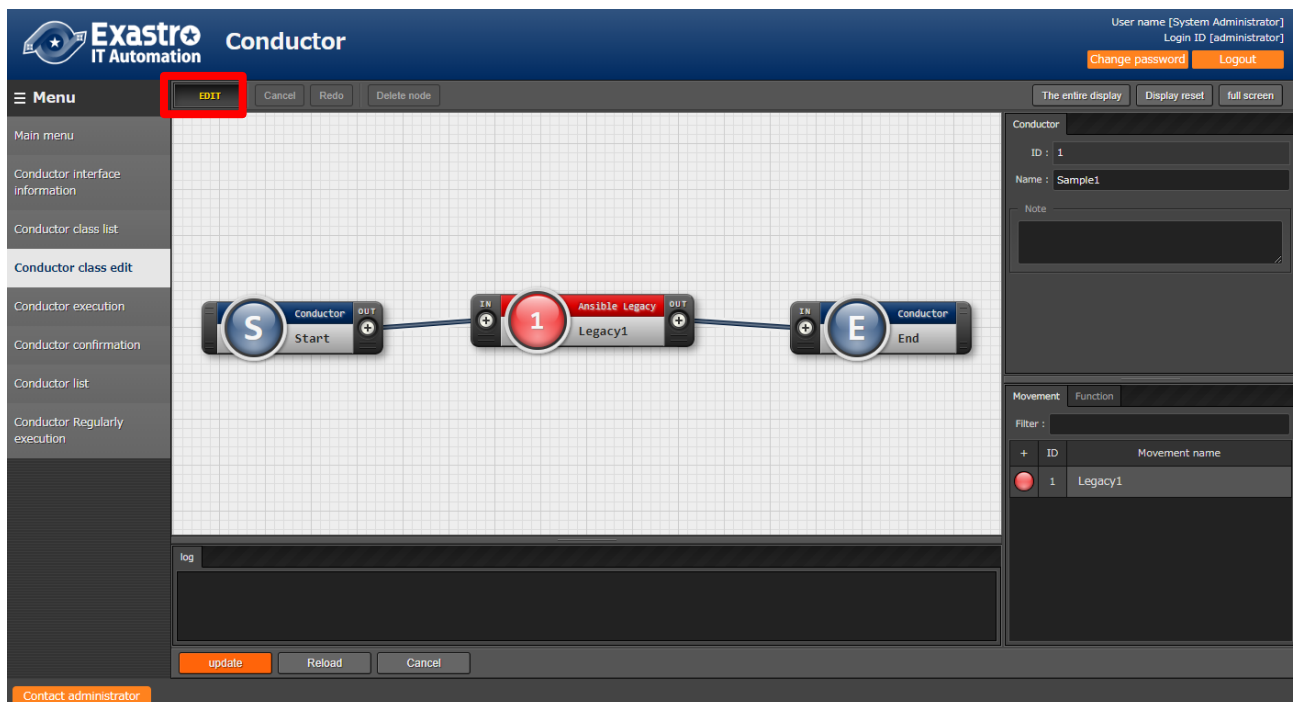


Figure 4.1-22 “Conductor class edit” menu (“Edit” mode)

Table 4.1- 3 “Edit” Mode

Item	Description
The entire display	All nodes will be displayed
“Display reset” button	The display will reset according to the “Conductor_start”
“Full screen” button	Makes the browser window go full screen. ※Press the “end full screen mode” to exit full screen.
“Update” button	Saves the edited contents
“Reload” button	Resets the edit screen and removes any changes.
“Cancel” button	Cancels the process and returns the screen before the “Edit” button was pressed.

4.1.4 Conductor execution

- (1) Indicate Conductor execution in [Conductor execution] screen.
 - “Conductor [List]” displays the Conductors registered in “4.1.2 Conductor class list”.
 - “Operation [List]” displays the Operations registered in “Basic console”.
 - i. Please refer to “User Instruction Manual” for details.
 - Select radio button in “Conductor [List]” and “Operation [List]”, then click the “Execution” button to move to “4.1.5 Conductor confirmation” then start tracing of execution.
 - Enter “Scheduled date/time” then click the “Execution” button will schedule execution. The scheduled execution can be checked in “4.1.6 Conductor list”.
※Date/Time before current time can’t be entered.
 - The setting value of Operation and skip for Movement and Conductor Call can be changed.
 - i. Setting value will not reflect to registered data. The setting value will only reflect to Conductor executions.

Conductor

User name [System Administrator]

Login ID [administrator]

Change password

Logout

Menu

Main menu

Conductor interface information

Conductor class list

Conductor class edit

Conductor execution

Conductor confirmation

Conductor list

Conductor Regularly execution

Description

▽Open

Scheduling

△Close

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 checked="" type="radio"/>	1	Sample1			2020/08/26 18:07:41	System Administrator

Filter result count: 1

Operation [Filter]

▽Open

Operation [List]

△Close

Select	No.	Operation ID	Operation name	Scheduled date for execution	Last executi	Last update date/time	Last updated by
<input checked="" type="radio"/>	1	1	Operation1	2020/08/27 16:15		2020/08/27 16:13:47	System Administrator

Filter result count: 1

Conductor execution

EXECUTE

The entire display

Display reset

full screen

Conductor

ID : 1

Name : Sample1

Note

Operation

Operation ID : 1

Operation name : Operation1

log

1 ERROR Target host is not registered for Movement. (Movement ID:1)

Execution

Contact administrator

Figure 4.1-23 Submenu screen (Conductor execution)

The list of items in Conductor execution screen is as follows.

Table 4.1-13 Registration screen items (Conductor execution)

Item	Description	Input Required	Input type	Restrictions
Scheduled date/time	Specify the scheduled date and time of Conductor execution	-	Manual input	Date and time before the current time cannot be entered
Conductor [List]	The Conductor registered in “4.1.7 Conductor class list” will be displayed.	○	Radio buttons	
Operation [List]	The operations registered in “Basic console” will be displayed	○	Radio buttons	
Skip	Check to skip the target operation ※Refer to the “About skip” in below	-	Checkbox	
Operation	※ Refer to the “About specifying Operation” in below	-	Manual input	
Execution	Execute register Conductor	○	Button	

※ About specifying Operation.

Click the “Select” button in “Operation Select” column will display a modal of Operation list.

Users can specify Operation that is different from the Operation specified by radio button. According to the specification, Conductor can be executed with the “Specific value” substituted with the value registered for other Operation ID in the “Substitution value list” menu of the Orchestrator which that Movement belongs to (e.g. “Substitution value list” in ITA Anisble-Legacy console).

The Operation ID specified in Conductor class edit screen is saved according to register/update.

Moreover, users can change the Operation for each step of Conductor before execution. However, the settings in Conductor execution screen only reflects to Conductor execution. The settings will not be saved.

Users can take use of this function to diverse the Movement to operate for another server.

※ About Skip

Users can change the status of Skip.

The skip setting in Conductor class edit screen is saved according to register/update.

Moreover, users can change the skip setting for each step of Conductor before execution. The settings will not be saved.

Users can take use of this function to temporary skip operation or execute operation while executing Conductor.

4.1.5 Conductor confirmation

- (1) In [Conductor confirmation] screen, the status of Conductor execution is displayed.
- By clicking the “Details” button in “4.1.6 Conductor list”, the status of the selected Conductor will be displayed. Users can execute “Cancel reservation”, “Resume” or “Emergency stop” according to the situation.
- The execution status of each Node can be displayed by selecting them.
- To check the details of the execution status, users can select the URL in “Operation status” of “Movement” and “Conductor Call”.

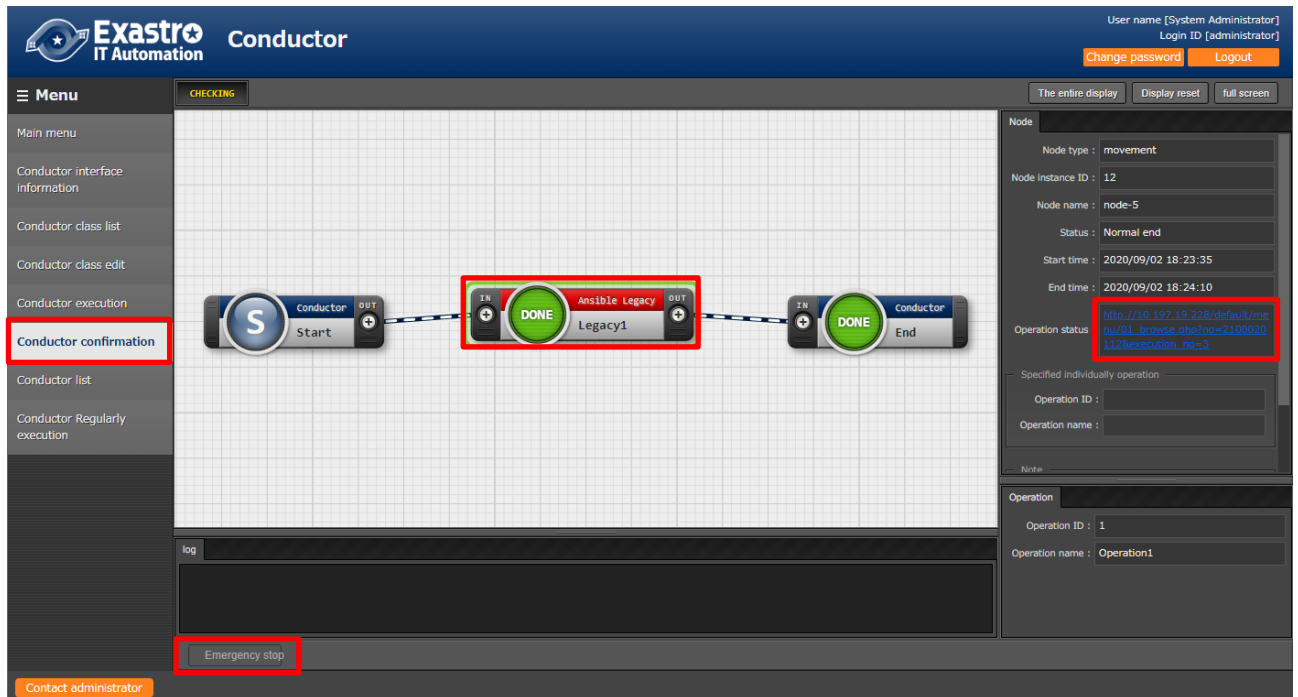


Figure 4.1-24 Submenu screen (Conductor confirmation)

※If you edit the Conductor that has been executed in “Conductor execution” with "Conductor class edit", it will be in a different state from the Conductor during execution, so even if you click the "Details" button, the status may not be displayed. If you want to edit the Conductor that has already been executed and then execute again, it is recommended to create another Conductor with a new diversion by using "Conductor class edit" and use it.

- If the selected Conductor execution is scheduled and is yet executed, a “Cancel reservation” button will be displayed.
- If the button is clicked, the status in “4.1.6 Conductor list” will become “Unexecuted (Schedule)” and will not be executed.

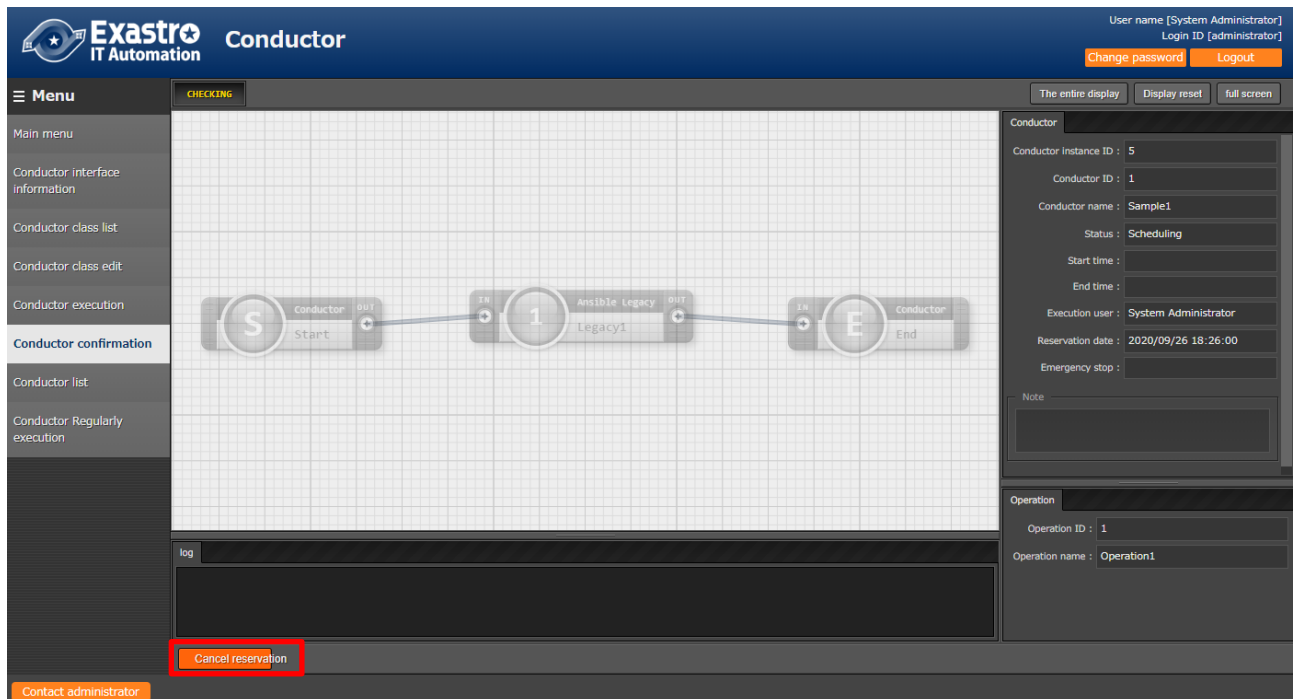


Figure 4.1-25 Submenu screen (Conductor confirmation – Cancel reservation)

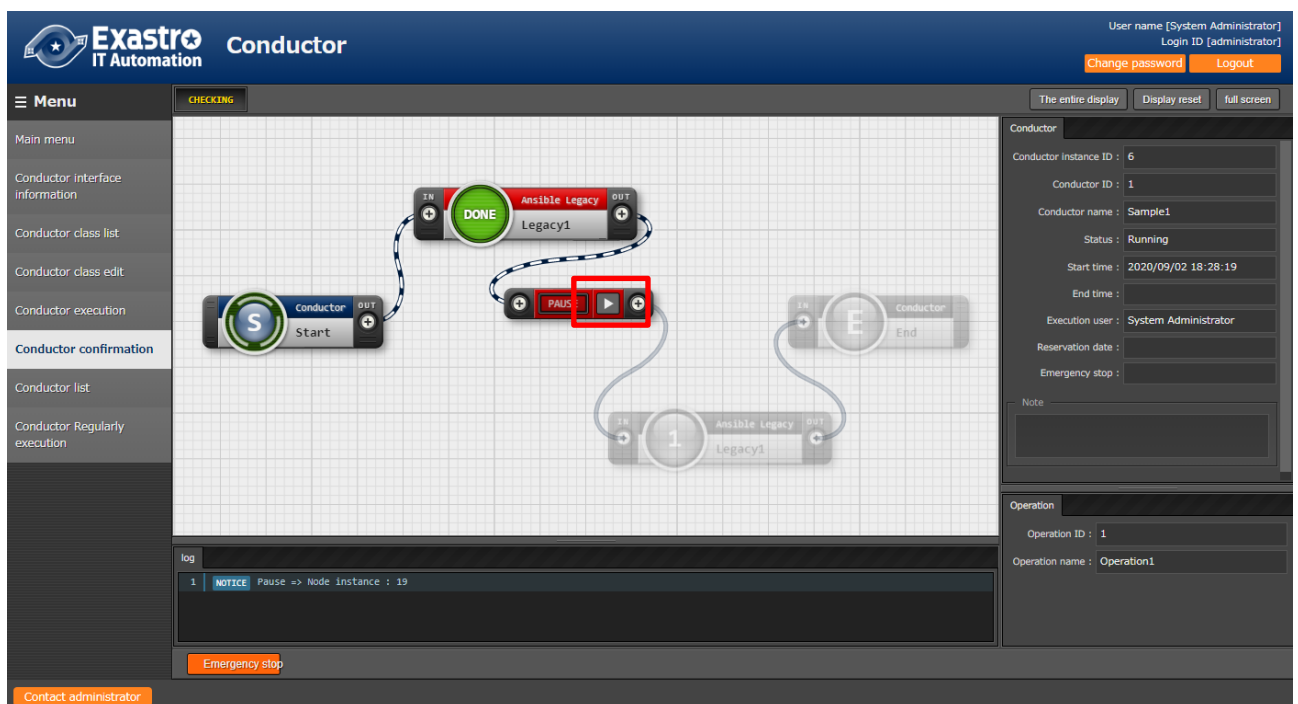


Figure 4.1-26 Submenu screen (Conductor confirmation – Resume)

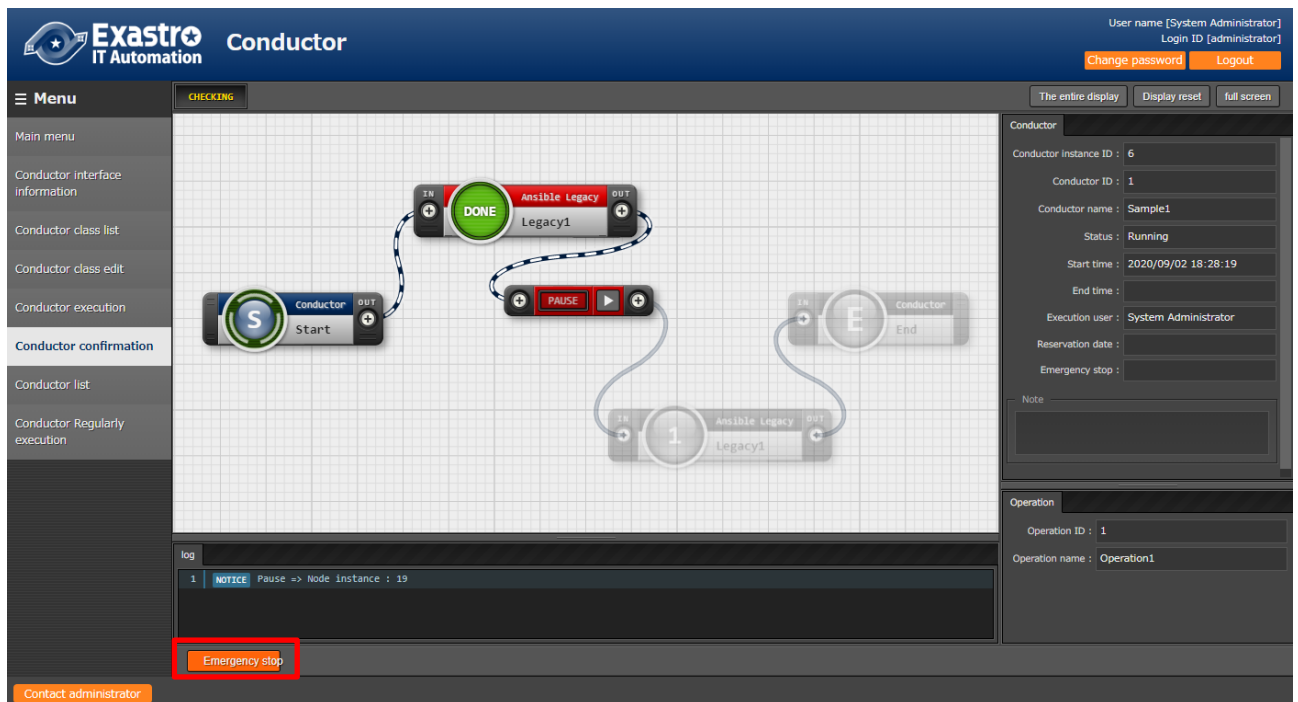


Figure 4.1-27 Submenu screen (Conductor confirmation – Emergency stop)

The list of items in Conductor confirmation screen is as follows.

Table 4.1-14 Registration screen list (Conductor confirmation)

Item	Description	Input required	Input type	Restriction
Resume	Cancel pause and continue operation execution	-	button	-
Emergency stop	Stop Conductor execution	-	button	-
Cancel reservation	Cancel scheduled Conductor execution	-	button	Displayed only when execution is scheduled and is yet executed.

4.1.6 Conductor list

- (1) Users can manage executed Conductor operations in “Conductor list” screen.
By specifying the criteria and clicking the “Filter” button, the table of Conductor list will be displayed.

Users can click the “Details” button to move to “[4.1.5 Conductor confirmation](#)” screen.

Click "Download (.zip)" under "Input data (zip)" to download all Movements executed under Conductor and its data files.

Click "Download (.zip)" under "Result data (zip)" to download all execution logs, error logs and such of all of the Movements executed under Conductor.

If the Conductor has a hierarchical structure, the movement at the end will also be targeted.

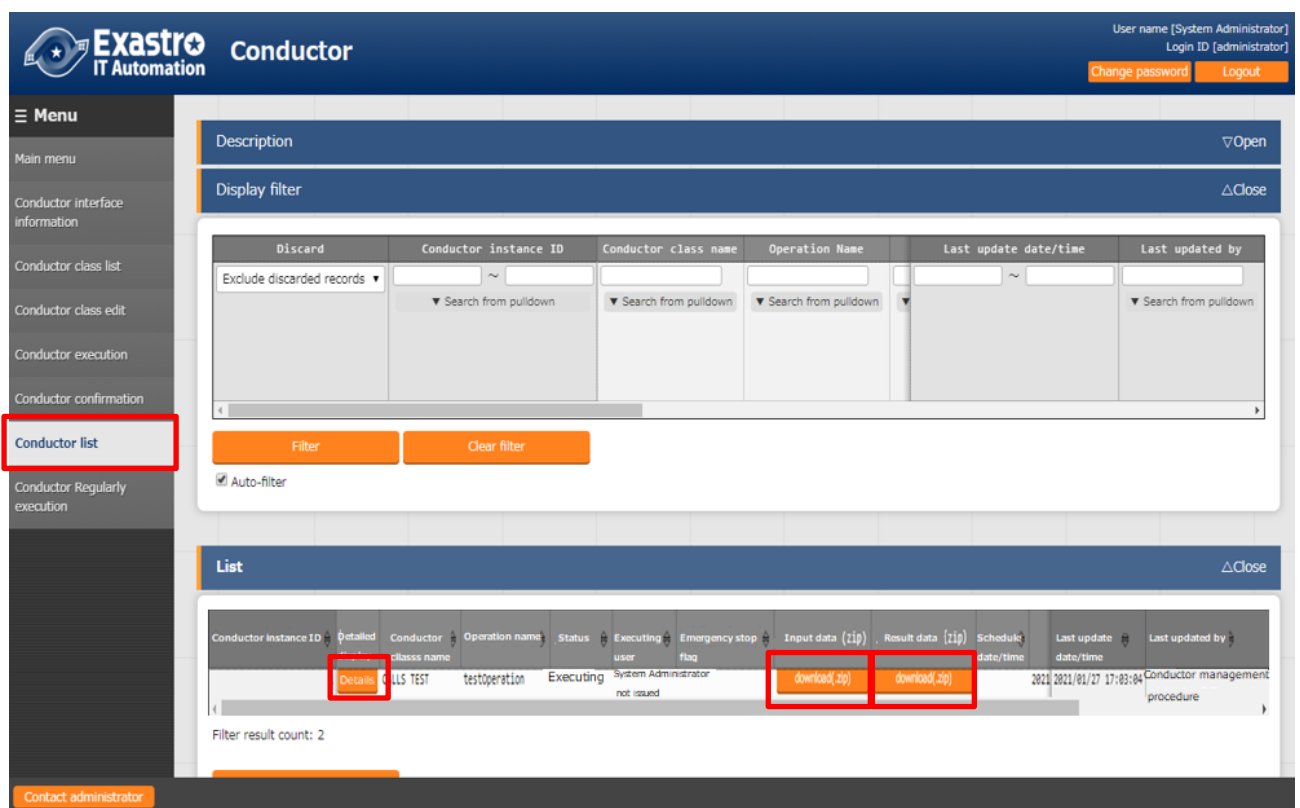


Figure 4.1-28 Submenu screen (Conductor list)

4.1.7 Conductor regularly execution

- (1) Users can manage regular execution of Conductor operation in [Conductor regularly execution] screen.
Click the “Check the work list” in “List” will move to “[4.1.6 Conductor list](#)” screen with the target Conductor executed by regular execution.

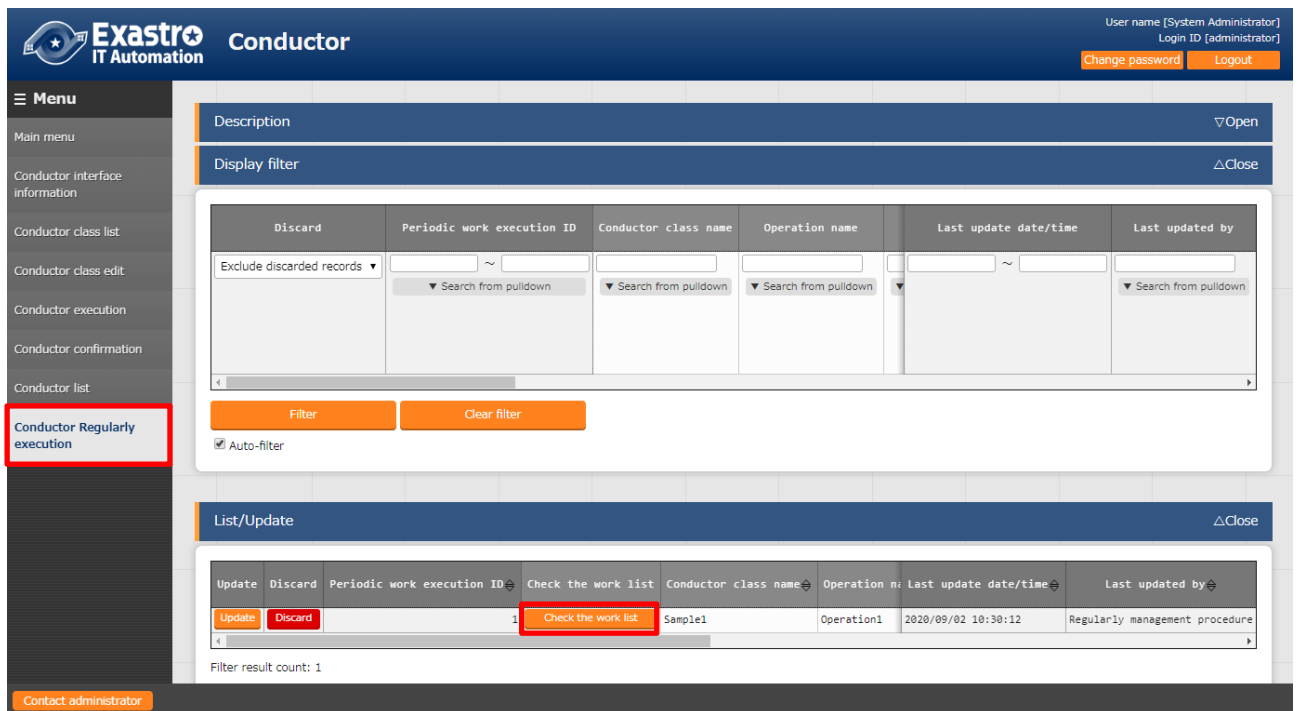


Figure 4.1-29 Submenu screen (Conductor regularly execution)

- (2) Click “Register” - “Start Registration” button to set regular execution.
Schedule can only be set in the setting window by clicking “Schedule settings” button.

Figure 4.1-30 Schedule settings screen (Regularly execution)

(3) The list of items in Conductor confirmation screen is as follows.

Table 4.1-15 Register screen item list (Regularly execution)

Item		Description	Input required	Input type	Restrictions
Conductor class name		Conductor registered in “4.1.2 Conductor class list” are displayed.	○	List selection	-
Operation name		Operation registered in “Basic Console – Input operation list”	○	List selection	-
Status		Refer to the following “Table 4.2-11 Status list (Regularly execution)”	-	Automatic input	-
Schedule setting		A button that opens a modal window to set details of schedule.	-	-	-
Schedule	Next execution date	Based on the registered schedule, the execution date will be updated automatically.	-	Automatic input	-
	Start date	Enter the start date of regular work execution. "Next execution date" is always updated with the date after "Start date".	○	Manual input	Enter by Schedule setting only
	End date	Enter the end date of regular work execution. The status will become “completed” if “Next execution date” passed “End date”.	-	Manual input	Enter by Schedule setting only
	Period	Select the period of regular execution. “Time”, “Day”, “Week”, “Month (Specify day)”, “Month (Specify day of week)”, “End of month” can be selected.	○	Radio button	Enter by Schedule setting only
	Interval	Select the regular execution interval based on the selected period.	○	Manual input	Enter by Schedule setting only
	Week number	Used when period is “Month (Specify day of week)”, select the week number to execute work.	※1	List selection	Enter by Schedule setting only
	Day of week	Used when period is “Week” or “Month (Specify day of week)”, select the day of week to execute work.	※2	List selection	Enter by Schedule setting only
	Day	Used when period is “Month (Specify day)”, select the date to execute work.	※3	Manual input	Enter by Schedule setting only
	Time	Enter the time of regular execution.	※4	Manual input	Enter by Schedule setting only
Work suspension period	Start	Enter the start date/time of work suspension period. During the time between start time and end time, registered Symphony will not be executed.	※5	Manual input	Enter by Schedule setting only
	End	Enter the end date/time of work suspension period. During the time between start time and end time, registered Symphony will not be executed.	※5	Manual input	Enter by Schedule setting only
Remarks		Free description field.	-	Manual input	-

※1 Week number is required when period is “Month (Specify day of week)”.

※2 Day of week is required when period is “Month (Specify day of week)”.

※3 Day is required when period is “Month (Specify day)”.

※4 Time is required when period is “Day”, “Week”, “Month (Specify day)”, “Month (Specify day of week)”, “End of month”.

※5 When setting work suspension period, both “Start” and “End” are required.

Table 4.1-16 Status list (Regular execution)

Status name	Description
In preparation	The status immediately after registration. The status will become "In operation" when backyard updates "Next execution date" automatically.
In operation	The status of normal execution. The system registers operation to " <u>4.1.6 Conductor list</u> " 3 minutes before "Next execution date", then updates "Next execution date" based on the schedule setting.
Completed	The status when "Next execution date" passed "End date". Further Conductor execution registration will not be performed.
Mismatch error	The status when setting value of schedule is not correct.
Linking error	The status when registering execution failed in " <u>4.1.6 Conductor list</u> ". Same as the status "In operation", system registered execution in " <u>4.1.6 Conductor list</u> ", then updates "Next execution date" based on the schedule setting. If registration of execution failed again, the status will remain "Linking error".
Unexpected error	The status when errors other than "Mismatch error" and "Linking error" happens.
Conductor discard	The status when the registered Conductor is discarded. The status will be updated to "In preparation" if the discarded Conductor is restored.
Operation discard	The status when the registered Operation is discarded. The status will be updated to "In preparation" if the discarded Operation is restored.

- (4) The status will become "In preparation" immediately after registered in "Regular execution" menu. Backyard will update "Next execution date" based on the registered schedule setting, then the status will become "In operation".

If the status is "In operation" or "Linking error", the system registers operation to "4.1.6 Conductor list" 3 minutes before "Next execution date", then updates "Next execution date" based on the schedule setting.

※ When pause is set in the Symphony which is registered in regularly execution, if users don't "resume" in "4.1.5 Conductor confirmation" after operation is registered, the status in "4.1.6 Conductor list" will remain "Executing".