

## IT Automation BASE Practice

**\*Exastro IT Automation is written as "ITA" in this document.** 

Exastro IT Automation Version 1.7.2 Exastro developer

# Exastro

#### **Table of contents**

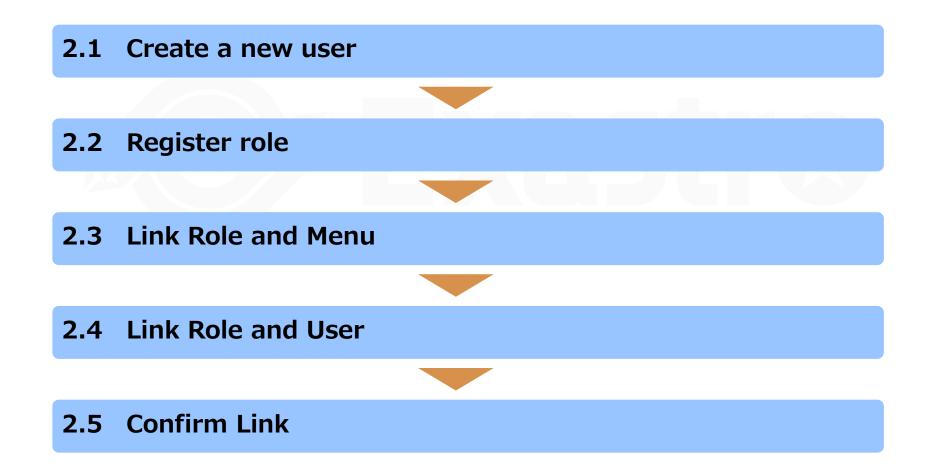
- 1. Management console
  - 1. Scenario
- 2. Practice 1
  - 1. Create new user
  - 2. Register role
  - 3. Role/Menu link
  - 4. Role/User link
  - 5. Confirm link
- 3. Basic console
  - 1. Scenario
  - 2. Pre-preparation
- 4. Practice 2
  - 1. Register work target host
  - 2. Register operation
  - 3. Register IaC
  - 4. Register Movement
  - 5. Register Movement details
  - 6. Register Movement and Host that connects to Operation
  - 7. Manage Substitute Value
  - 8. Register Symphony
  - 9. Execute Symphony
  - 10. Confirm Symphony

1. Management Console



#### 1.1 Scenario 1/2

In this scenario, we will create a new user called "testuser". This user will be able to see the "Device list" menu and its contents.



#### 1.1 Scenario (2/2)

In this scenario, we assume that step 2.1"Creating a new user" and 2.4,"Link Role and user" are routine tasks.



#### 2. Practice ①

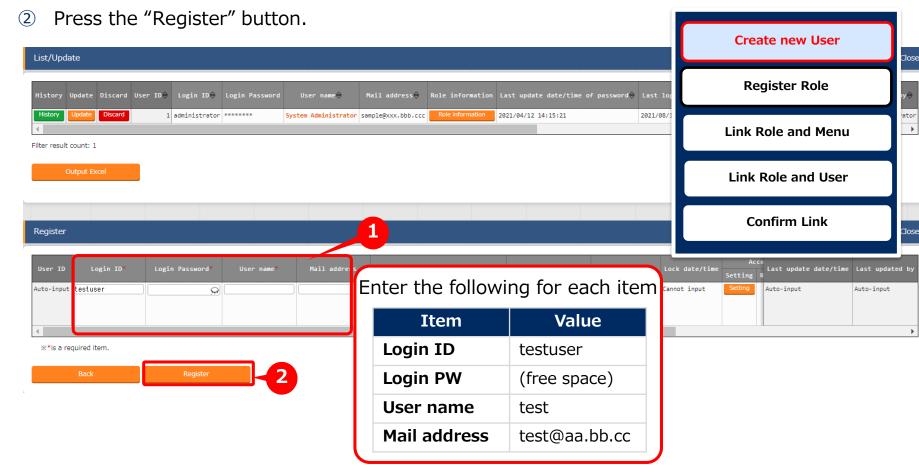


#### 2.1 Create new user

#### Create new user

"Management Console" Menu group-> "User list" Menu-> "Register" Sub-menu-> "Start Register" Button.

① Input values for "Login ID", "Login PW", "Username" and "Mail Address"

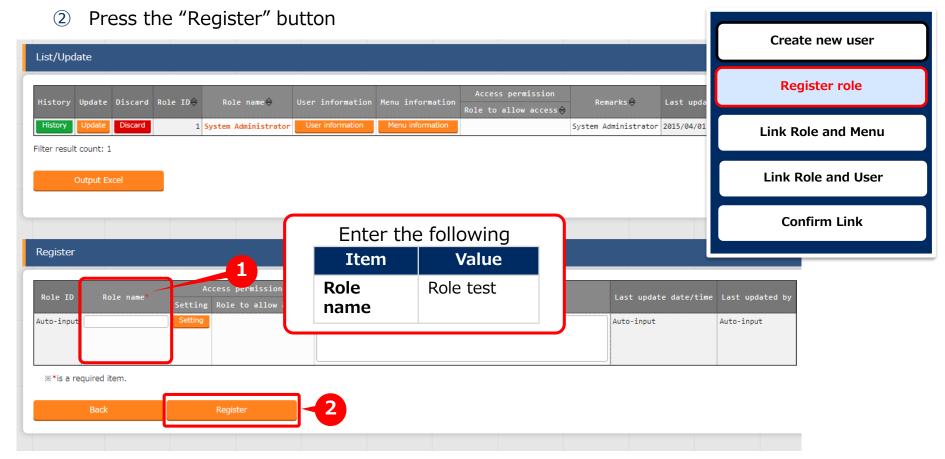


#### 2.2 Register Role

#### Register Role

"Management Console" Menu group-> "Role list"-> Menu-> "Register" Sub-menu-> "Start Register" button

① Input "Role name"

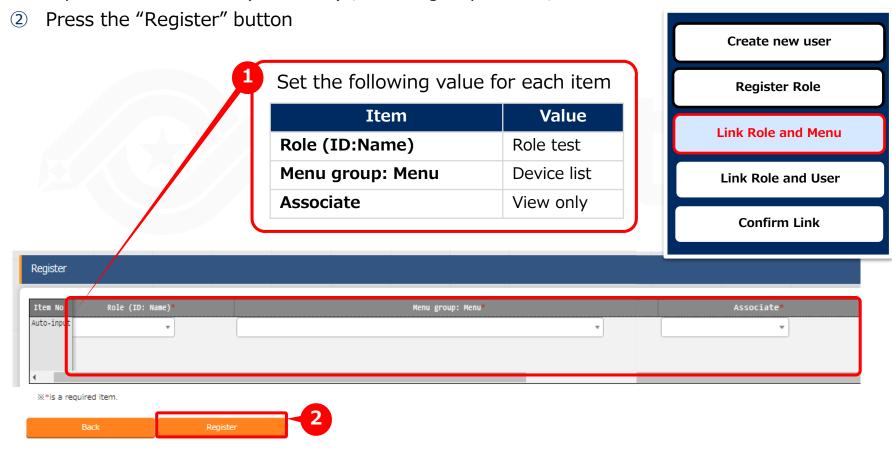


#### 2.3 Link Role and Menu (1/2)

#### Link Role and Menu①

"Management console" Menu group-> "Role/Menu link list" Menu-> "Register" Sub-menu-> "Start Register" Button.

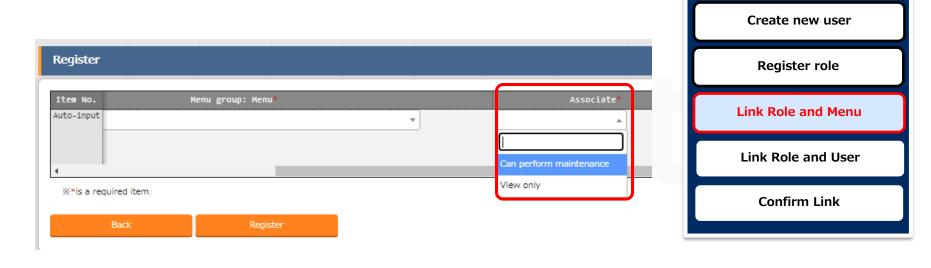
1 Input values for "Role(ID:Name)", "Menu group:Menu", and "Associate".



#### 2.3 Link Role and Menu (2/2)

#### Link Role and Menu2

There are two types of "Associate". "Can perform maintenance" and "View only".
 XIf set to "Can perform maintenance", various edit tools will become available.



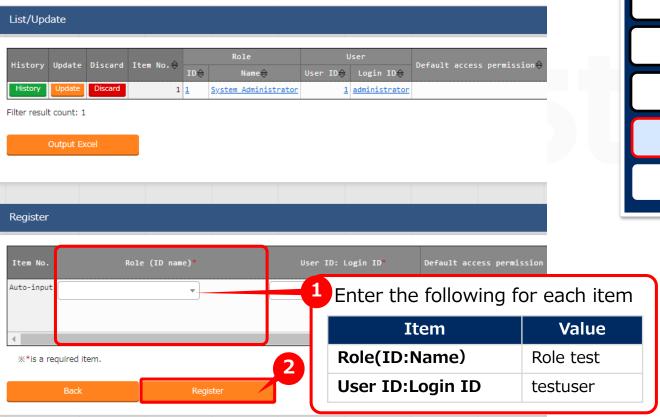
For this scenario, we will set it to "View only"

#### 2.4 Link Role and User

#### Link Role and User

"Management console" Menu group-> "Role/User Link list" Menu-> "Register" Sub-Menu-> "Start Registration" button

- ① Input values for "Role (ID:Name) and "User ID:Login ID"
- ② Press the "Register" Button.

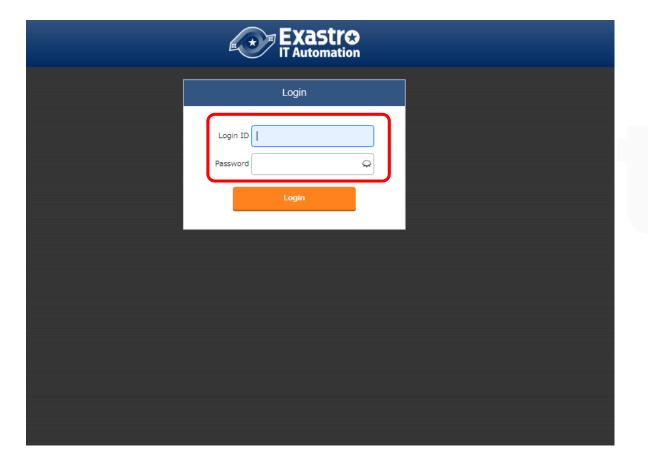


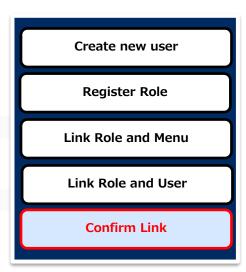


#### 2.5 Confirm Link (1/4)

#### Re-login

• First, Log out. Then, log in using the "Username" and "Login PW" we created in 2.1.



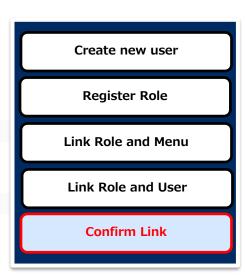


#### $\overline{2.5}$ Confirm Link (2/4)

#### Set new password.

 Every user who log in for the first time will be asked to change their password, so please do so.

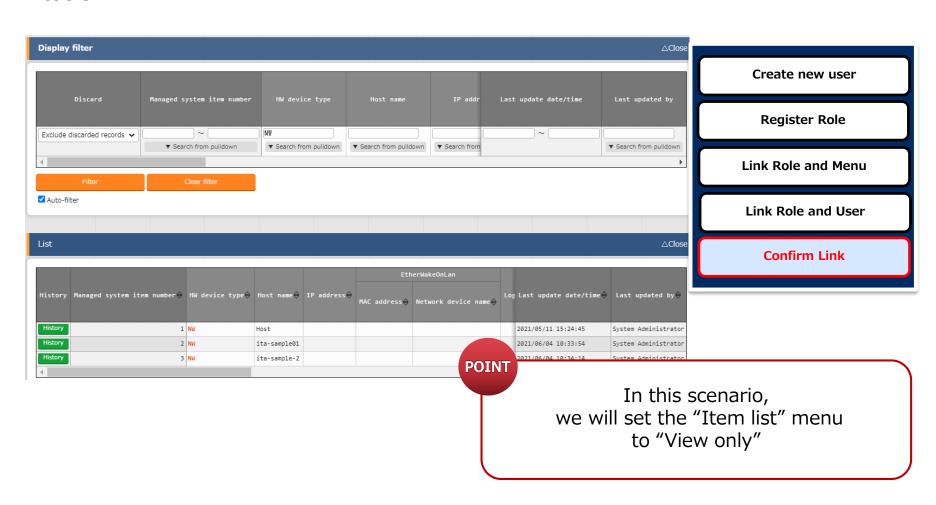




#### 2.5 Confirm Link (3/4)

#### Check the Menu screen (If the permission is "View only")

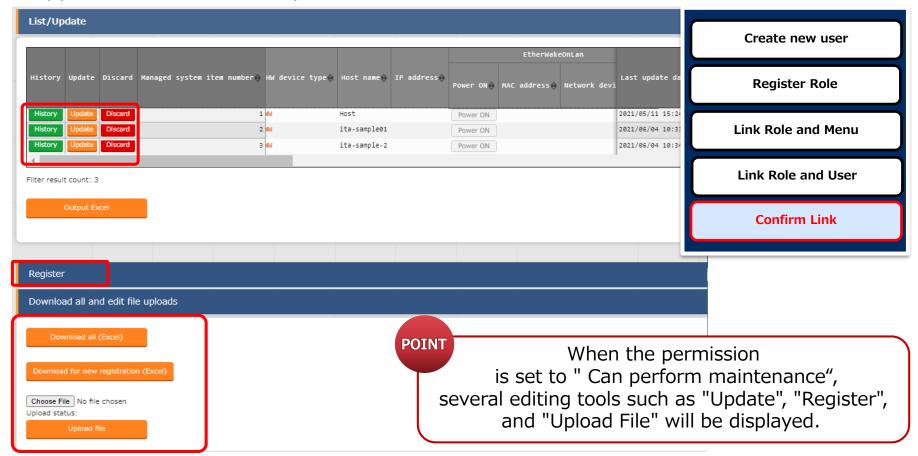
 Since the link settings are set to "View only", the user is unable to use any editing tools.



#### 2.5 Confirm Link(4/4)

### Check the menu screen (When the permission is "Can perform maintenance".

• If the link settings are set to "Can perform maintenance", all the edit tools will appear and be useable by the user.



#### 3.1 Scenario

In this scenario, a directory called "testdirectory" will be created under the tmp directory of the target host.

Please also keep in mind that since Ansible-Driver is required in order to proceed, we will use Ansible-Legacy.

- **4.1** Register Work target host
- 4.2 Register Operation
- 4.3 Register IaC
- 4.4 Register Movement
- 4.5 Register Movement details

- 4.6 Register Movement and Host that connects to Operation
- 4.7 Register Symphony
- 4.8 Execute Symphony
- 4.9 Confirm Symphony.

We will use the Ansible-Legacy menus in the steps between 4.3 and 4.7

#### 3.2 Pre-preparation

#### Create IaC

This scenario will use Ansible Legacy as an example.

This scenario will need an Ansible playbook as an IaC Sample in order to finish this scenario.

The sample playbook is written below.

Character code is "UTF-8", Newline code is "LF", File name extension is "yml" format.

Please make sure that the indents are correct.

- name: Make Work Directory demonstration

file:

path: "/tmp/{{ VAR\_DIRECTORY }}"

state: directory mode: 0755

POINT

This IaC creates a new directory underneath /tmp. In this scenario, the file name will be "sample1".

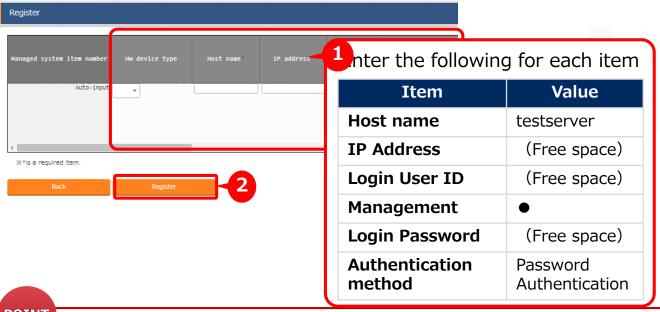
#### 4.1 Register Target work host

#### Register Target work host

"Basic console" Menu group->"Device list"Menu->"Register"Sub-menu->"Start registration" button.

① Enter values for "Host name", "IP Address", "Login User ID", "Management", "Login Password" and "Authentication method".

② Press the "Register" button.



Register Target work host

Register Operation

Register IaC

Register Movement

Register Movement Details

Register Movement and host that connects to Operation

Manage Substitute Value

Register Symphony

Execute Symphony

Confirm Symphony

POINT \_

This scenario assumes that there is an ssh password connection to the target host.

For the values "IP Address", "Login User ID" and "Login password",

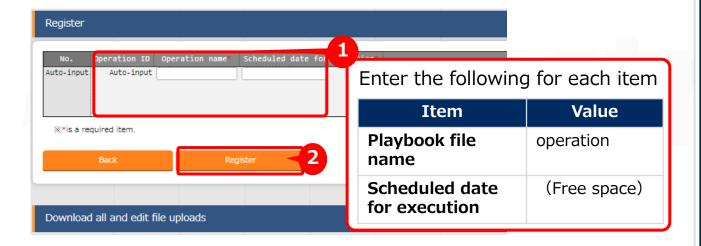
please enter the same values set in the environment settings.

#### 4.2 Register Operation

#### Register Operation

"Basic Console" Menu group->"Input Operation list" Menu->"Register"Sub-menu->"Start Register" button.

- 1 Input "Operation name" and "Scheduled execution date/time"
- ② Press the "Register" button.





**POINT** 

The operation will not be automatically executed at the date/time specified here.

#### 4.3 Register IaC

#### Register IaC

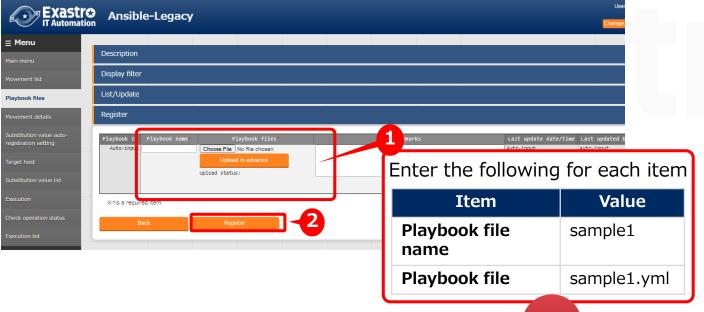
"Ansible-Legacy"Menu group-> "Playbook files" Menu-> "Register" sub menu-> "Start Registration" button.

1 Input value for "Play book file name" and click the "Browse" button in the "Playbook file"

field to upload "Sample1.yml" that we created earlier.

( Click the "Upload in advance" button)

2 Press the "Register" button



Register Work target host
Register Operation
Register IaC
Register Movement
Register Movement Details
Register Movement and host
that connects to Operation
Manage Substitute Value
Register Symphony
Execute Symphony
Confirm Symphony

POINT

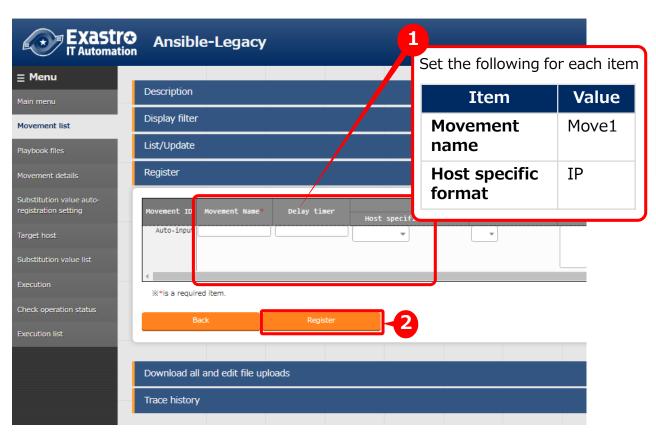
For more information on creating IaC, please refer to section 3.2,"Pre-preparation".

#### 4.4 Register Movement

#### Register Movement

"Ansible-Legacy"Menu group-> "Movement list"Menu-> "Register" sub-menu-> "Start Registration" button.

- 1 Input values for "Movement name" and "Host specific format".
- ② Press the "Register" button



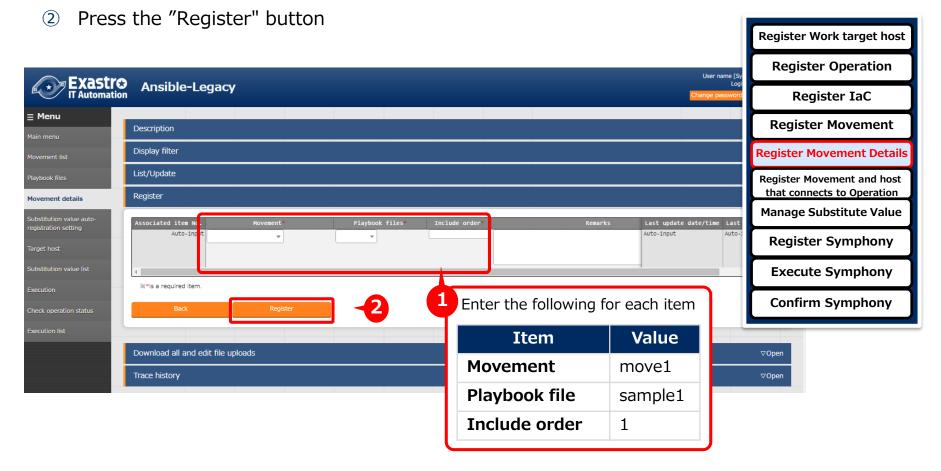


#### 4.5 Register Movement details

#### **Register Movement details**

"Ansible-Legacy" Menu group->"Movement details"Menu->"Register"Sub-menu->"Start Registration" button .

1 Input values for "Movement", "Playbook file" and "Include order"

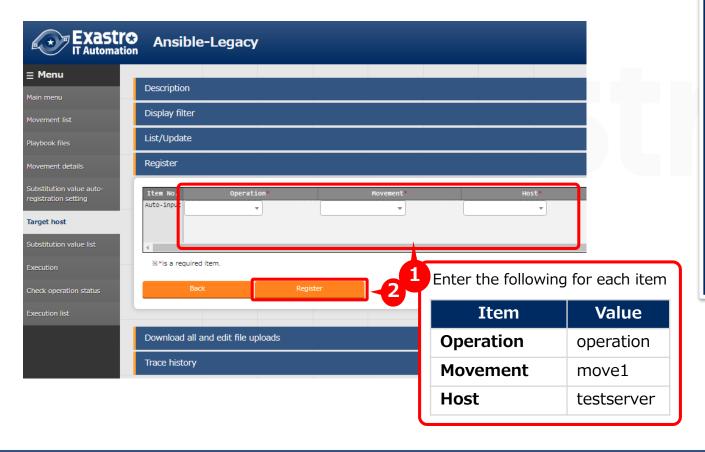


#### 4.6 Register Movement and host that connects to Operation

#### Register Movement and host that connects to Operation

"Ansible-Legacy" Menu group->"Target host" Menu-> "Register" Sub-menu-> "Starter Registration" button .

- Input values for "Operation", "Movement" and "Host"
- ② Press the "Register" button.



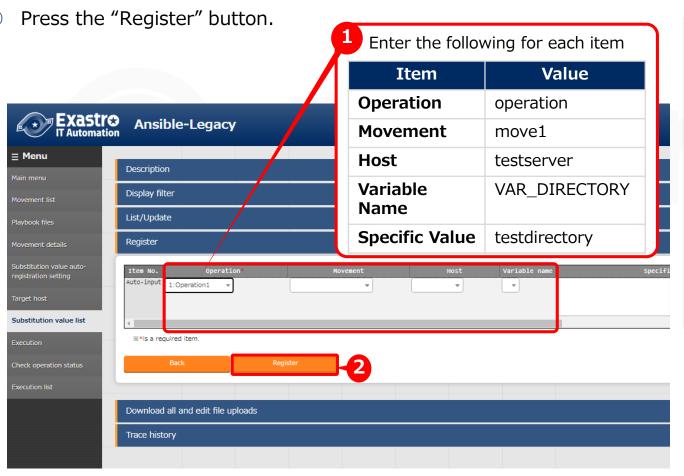


#### 4.7 Manage Substitute Values

#### Manage Substitute Values

"Ansible-Legacy"Menu group->"Substitute value list"->"Register"Sub menu->"Start Register" button .

1 Input values for "Operation", "Movement", "Host", "Variable name" and "Specific value.



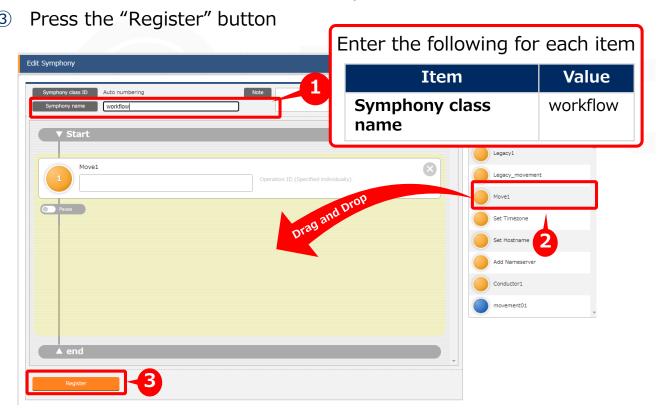


#### 4.8 Register Symphony

#### Register Symphony

"Symphony" Menu group->"Symphony Class editor" Menu->"Symphony edit"Submenu.

- Input "Symphony Class name".
- ② Drag the item "move1" from the right to the middle of the screen and drop it.



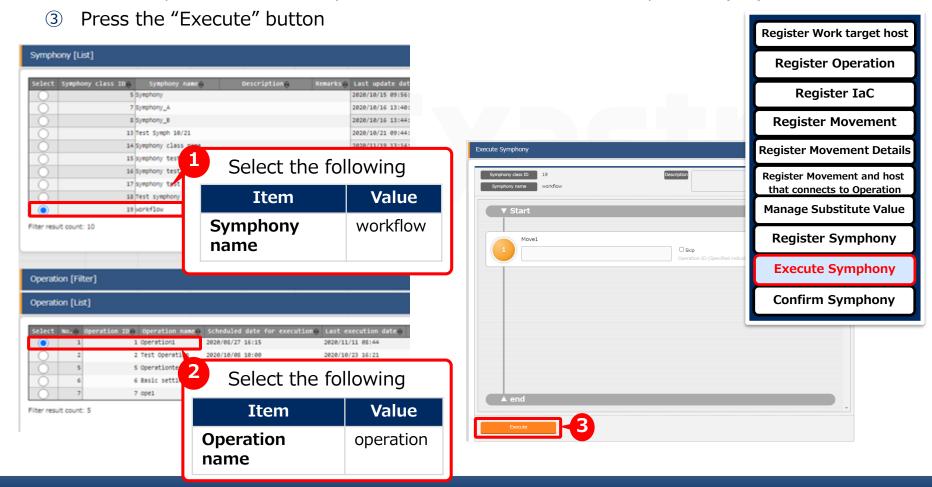


#### 4.9 Execute Symphony

#### **Execute Symphony**

"Symphony" Menu group-> "Symphony execution" Menu.

- ① Select "Workflow" in the "Symphony name" item in the "Symphony(list)" Sub-menu.
- ② Select "Operation" in the "Operation Name" item inside the "Operation(list)" Sub-menu.



#### 4.10 Confirm Symphony

#### Confirm Symphony

 Selecting a movement that is running or has finnished will take the user to a screen where they can check the status and the log of the operation.

