

IT Automation Export/Import [Practice]

******"Exastro IT Automation" will be shortened to ITA in this document.

Exastre

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1. Introduction



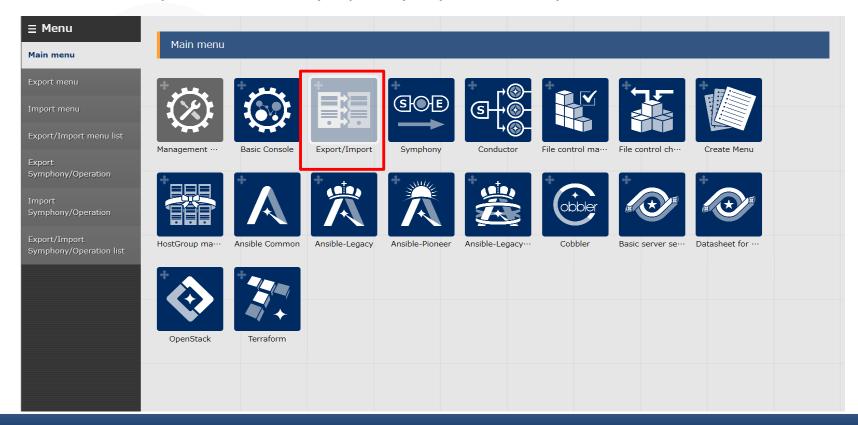
1.1 About this document

About this document

In this document, you will learn about the "Export/Import" menu by trying it hands on.

Practice 1 will operate in the Export menu

Practice 2 will operate in the Symphony/Operation export menu.



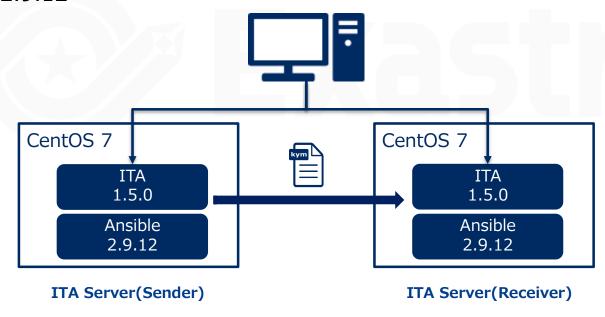
1.2 Work environment

Work environment

The work environments used in this documents are shown below Please prepare two ITA servers. One for sending and one for receiving.

2 ITA servers

- CentOS 7 (※1)
- · ITA 1.5.0
- Ansible 2.9.12



X1 This time, we will use CentOS7 though the host server, but ITA can be installed into any RHEL7 and RHEL8 type OS.

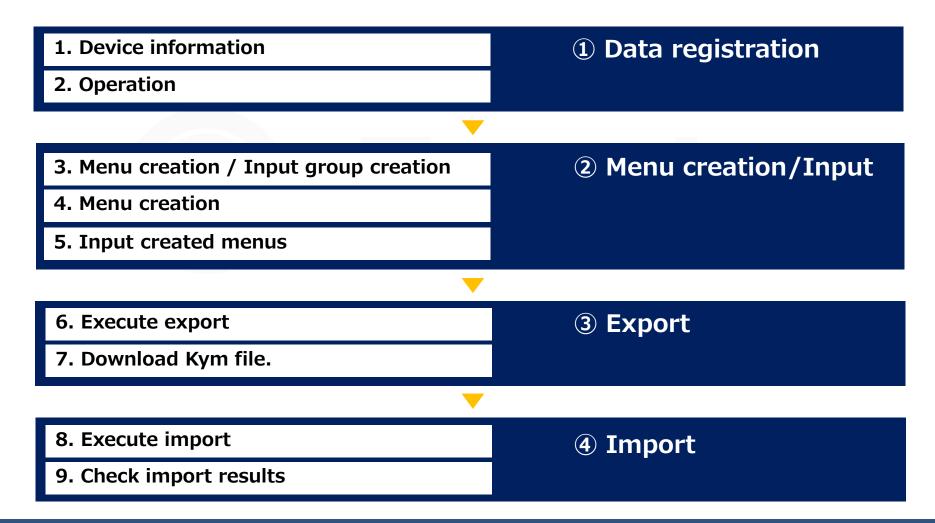
2. Practice ①. Menu export



2.1 Work procedure

Work procedure

This scenario will follow the procedure shown below.

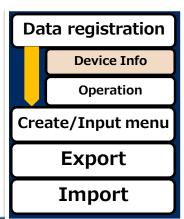


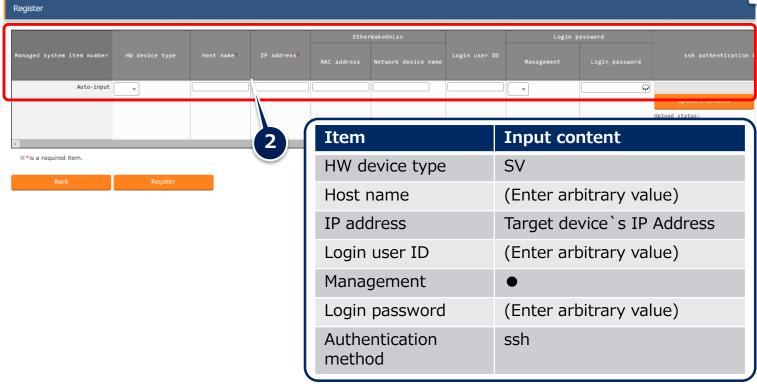
2.2 Data registration (1/2)

Device registration

Menu: Basic console> Device list

- ① Click "Start Registration" under the "Register" sub-menu
- Select or input the following information for each item and click "Register"



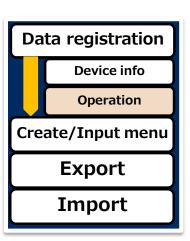


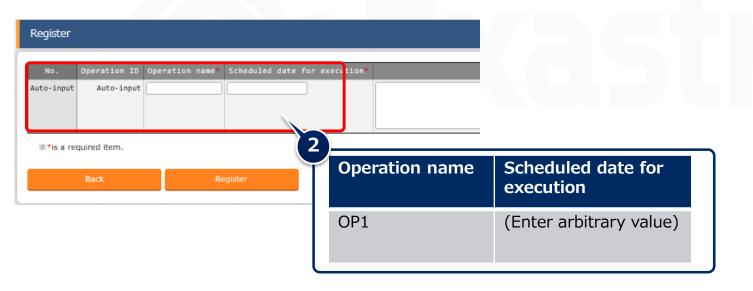
2.2 Data registration (2/2)

Register a new operation

Menu: Basic Console> Input operation list

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Input the following information for each item and click "Register"



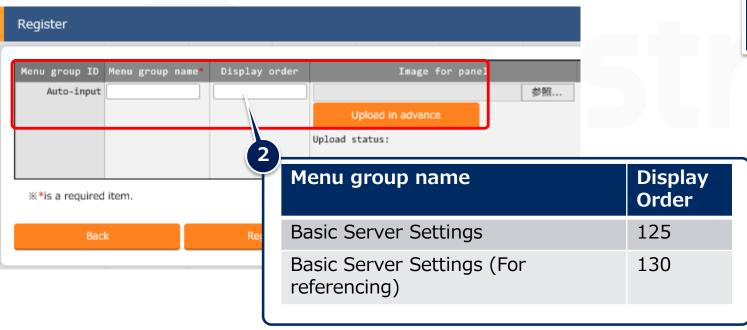


2.3 Input/Create Menu(1/4)

Menu group creation

Menu: Management Console> Menu group list.

- Click the "Start Registration" button under the "Register" sub-menu
- ② Input the following information for each item and click "Register"



Data registration

Input/Create Menu

Menu group

Menu

Created Menu

Export

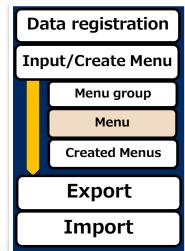
Import

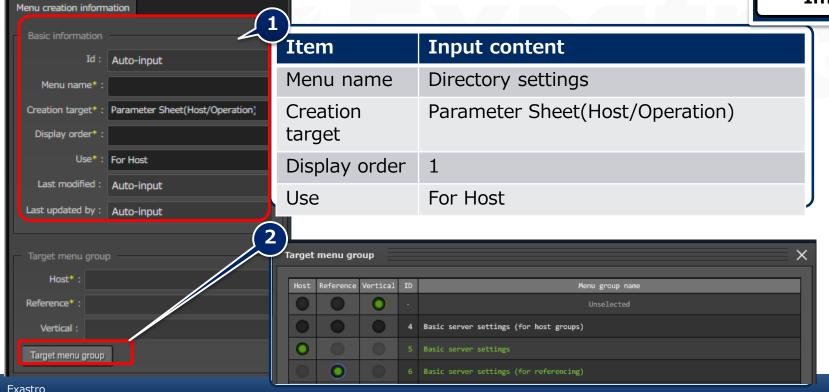
2.3 Input/Create Menu(2/4)

Create Parameter sheets

Menu: Create menu> Create/Define menu

- Input the following for "Menu creation information"
- Click "Target menu group" and select the target menu group.



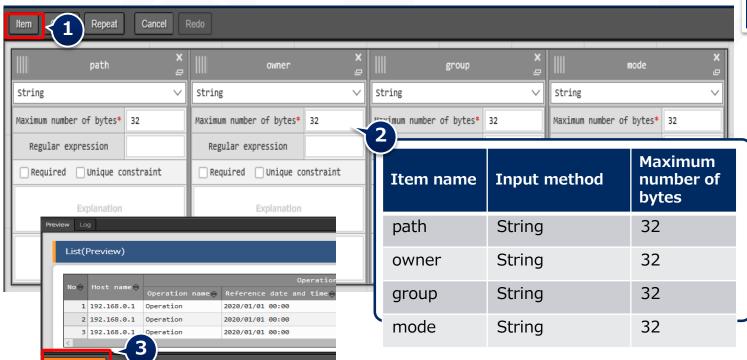


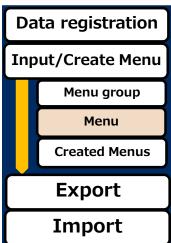
2.3 Input/Create Menu (3/4)

Define Parameter Item names.

Menu: Create Menu> Create/Define menu.

- 1) Press "Item" and add new items.
- ② Select or input the following for each item and click "Register"
- 3 Click "Create" on the bottom of the screen.





2.3 Input/Create Menu (4/4)

Register data to Parameter sheet.

Menu: Basic Server Settings> Directory Settings

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Select or input the following for each item and click "Register"
- ③ Update the data created in ② to match the data below.



Data registration		
Input/Create Menu		
	Menu group	
	Menu	
	Created Menu groups	
Export		
Import		

Host name	Operation	path	owner	group	mode
Arbitrary	OP1	/tmp/work1	root	root	0644

3

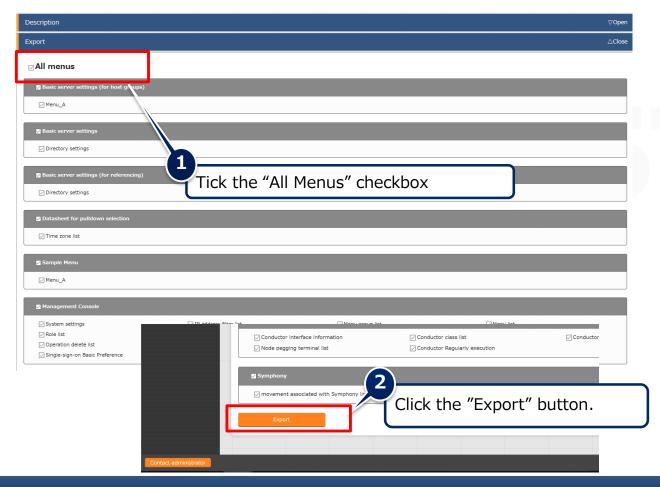
Host name	Operation	path	owner	group	mode
Arbitrary	OP1	/tmp/work2	root	root	0644

2.4 Export(1/2)

Export Execution

Choose and export the registered information

Menu: Export/Import> Export menu





2.4 Export(2/2)

Download Kym File

Let download the exported data.

Menu: Export/Import > Export/Import menu list

- Click "List"
- 2 Click the "Filter" button.
- 3 Download Kym file from the export status list.



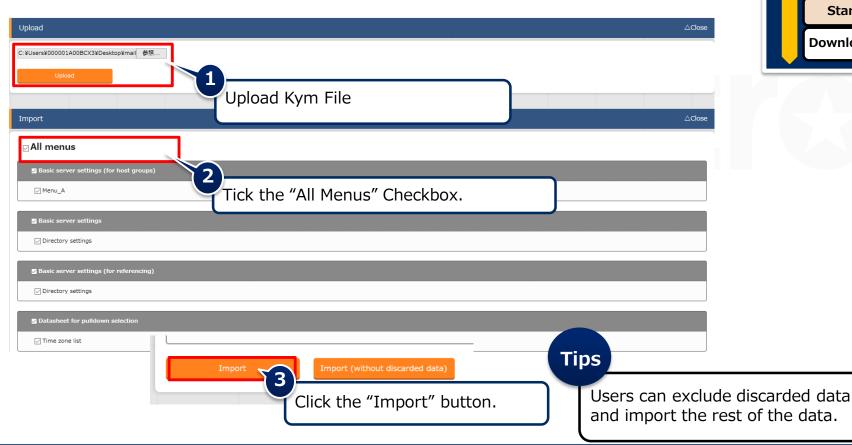


2.5 Import(1/3)

Execute Import

From here, we will use the receiving server to operate. Upload the Kym file and import it.

Menu: Export/Import > Import Menu



Data registration
Input/Create Menu
Export
Import
Start Import
Download kym file

2.5 Import(2/3)

Check Import status

Let's check the imported information and see if the status is "Completed"

Menu: Export/Import > Export/Import menu list

- 1 Click "List"
- ② Click the "Filter" button.
- 3 Check if the status of the executed import is "Completed"





2.5 Import(3/3)

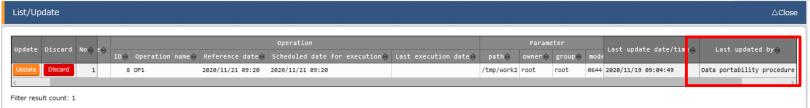
Check Import results

Lets check the imported menus. All change history for each record should also be moved. Let's put them together and check them.

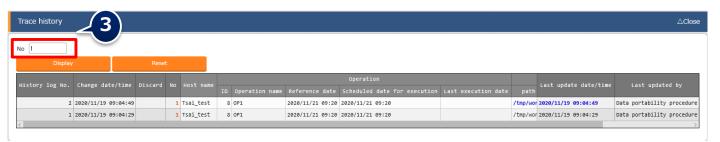
Menu: Server Basic Settings> Directory settings.

- Click "Filter"
- ② Check if the Menu information has been migrated by "Data Portability Procedure"





- 3 Click "Trace History" and input the numbers for the records you registered.
- 4 Click "Display" and check if the change history information has been migrated or not.



3. Practice ② Symphony/Operation Export



Before doing anything.

Playbook creation

We prepared some playbook samples that can be migrated Save the playbook below as an YML File.

(Attention) Create the YML file with character code "UTF-8" and newline code "LF".

```
- name: Copy Test File to Locale
copy:
    src: "{{ CPF_test_text }}"
    dest: "{{ VAR_directory }}"
    owner: root
    group: root
    mode: 0644
```

Filename: copy_file.yml

3.1 Work Procedure

Work procedure

This scenario will follow the flow shown below.

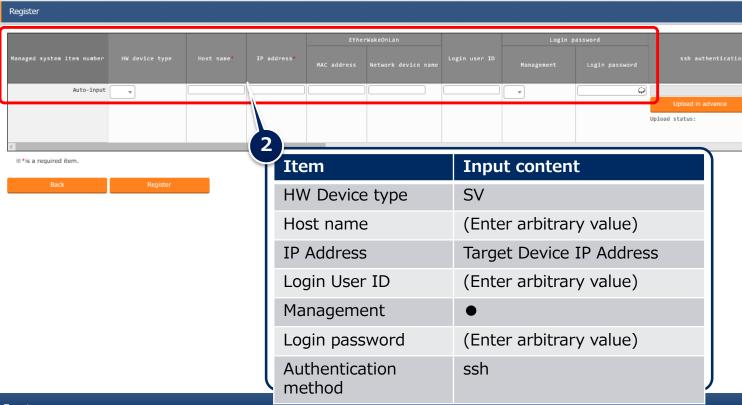
1. Device information	① Register the data going to be moved			
2. Operation				
3. Movement	Most of the operation will be done in Ansible-Legacy.			
4. Playbook	The following operation will be done from the Sender server			
5. Content files	※You can skip this step if you`ve already registered all the files.			
6. Movement details				
7. Target host				
8. Substitute value list				
9. Symphony				
10. Execute export	② Export			
11. Download kym file				
12. Execute Import	③ Import			
13. Check import results				

3.2 Data registration (1/9)

Device registration

Menu: Basic console> Device list

- ① Click "Start Registering" under the "Register" sub-menu.
- ② Select or input the following information for each item and click enter
 - **This part can be skipped if you already registered a device in Practice 1



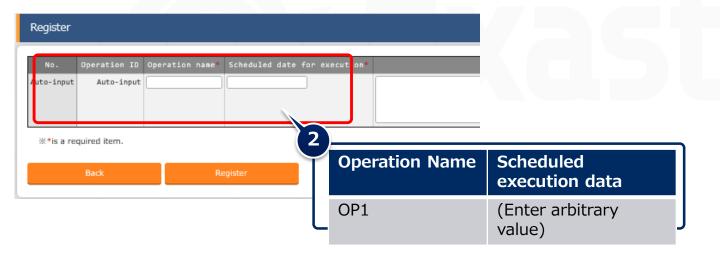


3.2 Data Registration (2/9)

Register a new Operation

Menu: Basic console> Input operation list

- ① Click "Start Registering " under the "Register" sub-menu
- 2 Input the following information for each item and click "Register" *You can skip this step if you registered an operation in Practice ①



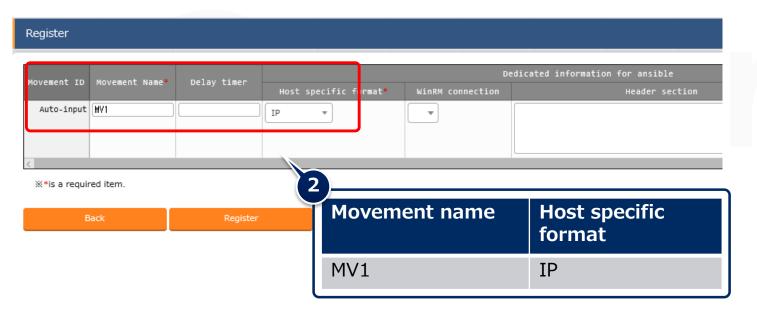


3.2 Data Registration (3/9)

Create a Movement

Menu: Ansible Legacy> Movement list

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Select or input the following information for each item and click "Register"





3.2 Data registration (4/9)

Register Playbook

Menu: Ansible-legacy> Playbook files

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Click the Browse button and select desired Playbook
- 3 Select or Input the following data below for the different items and click "Register"





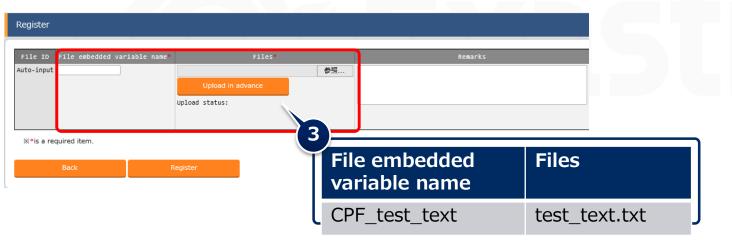
3.2 Data registration (5/9)

Register content files.

Let's register content files. The contents be whatever.

Menu: Ansible-Common> File list

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Browse and find the test file and then click "Upload in advance".
- 3 Enter the following for each item and click "Register"





3.2 Data registration (6/9)

Register Playbook to Movement

Menu: Ansible Legacy>Movement details

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Select or enter the following for each item and click "Register".



Data registration Device info Operation Movement Playbook **Content File** Movement details **Target host** Substitute Value list Symphony **Export Import**

MovementPlaybook filesInclude orderMV1copy_file1

3.2 Data registration (7/9)

Register target host

Menu: Ansible Legacy> Target host.

- ① Click "Start Registration" under the "Register" sub-menu.
- ② Select or enter the following for each item and click "Register"





OperationMovementHostOP1MV1(Arbitrary Host)

3.2 Data registration (8/9)

Manage substitute values.

Menu: Ansible Legacy> Substitution value list.

- ① Press "Start Registration" under the "Register" sub-menu.
- ② Select or enter the following for each item and click "Register"



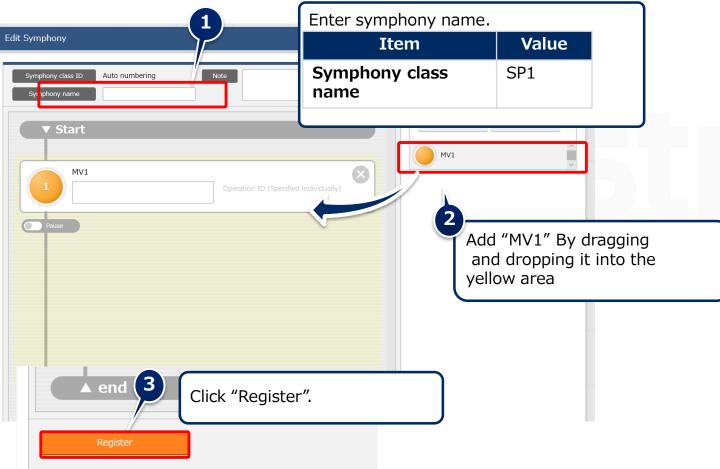


We now directly changed the "Target Host" and "Substitution value list", but records created from the substitution value autoregistration setting menu can also be moved.

3.2 Data registration (9/9)

Register Symphony

Menu: Symphony Symphony class edit.



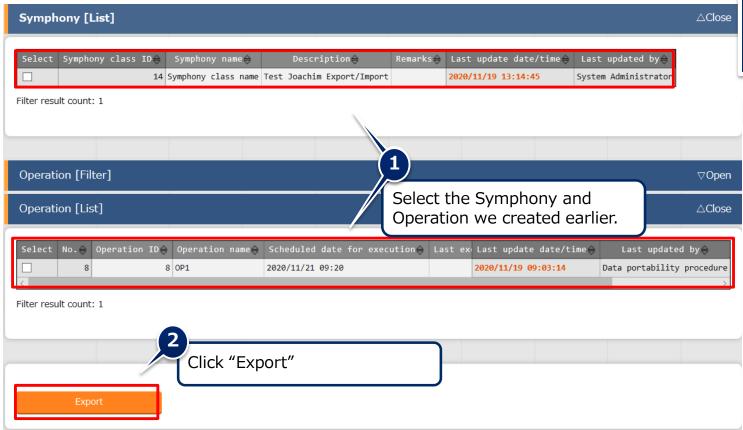
Data registration **Device info** Operation Movement Playbook **Content File Movement details Target host** Substitute Value list Symphony **Export Import**

3.3 Export(1/2)

Execute Export

Select and export the registered information.

Menu: Export/Import> Export Symphony/Operation





3.3 Export(2/2)

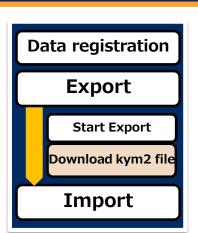
Download kym2 file

Let's download the exported data.

Menu: Export/Import> Export/Import Symphony/Operation list

- 1) Press the "List" sub-menu.
- ② Click the "Filter" button.
- 3 Download Kym2 file from the Export status list.



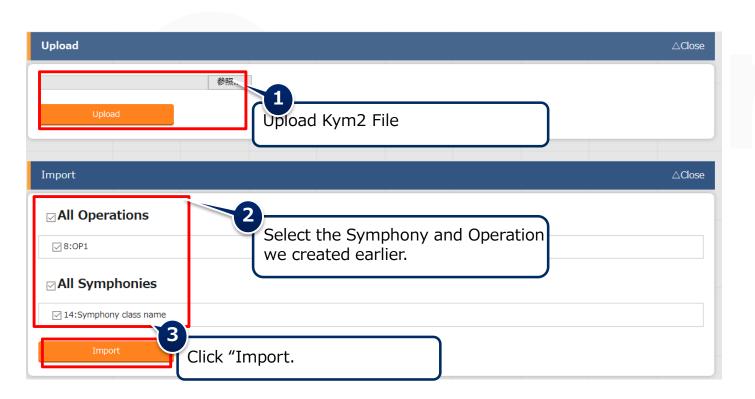


3.4 Import(1/3)

Execute Import

We will use the receiving server from this point on Let's upload the kym2 file and import it.

Menu: Export/Import> Import Symphony/Operation





3.4 Import(2/3)

Check Import Status

Let's check the imported information and see if the status is "Completed"

Menu: Export/Import> Export/Import Symphony/Operation list

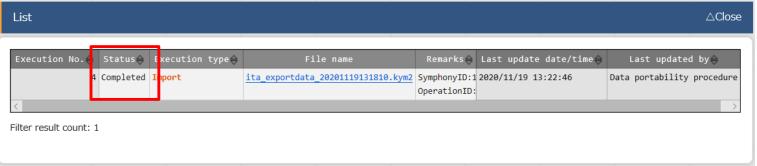
- Press the "List" sub-menu
- ② Click the "Filter" button.
- 3 Check if the status of the executed import is "Completed"



Data registration

Export

Import



$3.4 \overline{\text{Import}(3/3)}$

Check Import results

Let's move the menus we registered and check the imported data.

Symphony class list Discard Symphony class ID⇔ Detailed display⇔ Symphony name⊖ Description⊖ Last update date/time♦ Last updated by€ Discard Symphony class name Test Joachim Export/Import 2020/11/19 13:14:45 System Administrator Movement list Last update date/time⇔ Host specific format⇔ WinRM 11 MV1 Ansible Legacy 2020/11/19 10:10:58 File list Update Discard File ID⇔ File embedded variable name⇔ Last update date/time Last updated by€ Discard 1 CPF_test_text 2020/11/19 10:19:17 test_text.txt System Administrator Input operation list Update Discard No. → Operation ID → Operation name Scheduled date for execution ← Last Last update date/time ← Last updated by System Administrator Target host Update Discard | Item No.⇔ | Operation⇔ Movement⊖ Host⊖ Remarks⊖ | Last update date/time⊕ Last updated by \oplus Discard 16 8:0P1 11:MV1 1:Tsai test 2020/11/19 10:53:52 System Administrator

Data registration

Export

Import

Start Import

Check Import

Other menus where items were imported:

- Device list
- Playbook files
- Movement details
- Substitute value list

Tips

The change history of each record will also be imported.

