IT Automation
Export/Import
【Practice】

※”Exastro IT Automation” will be shortened to ITA in this document.

Version 1.8.0

Exastro developer

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    2. Data registration
    3. Export
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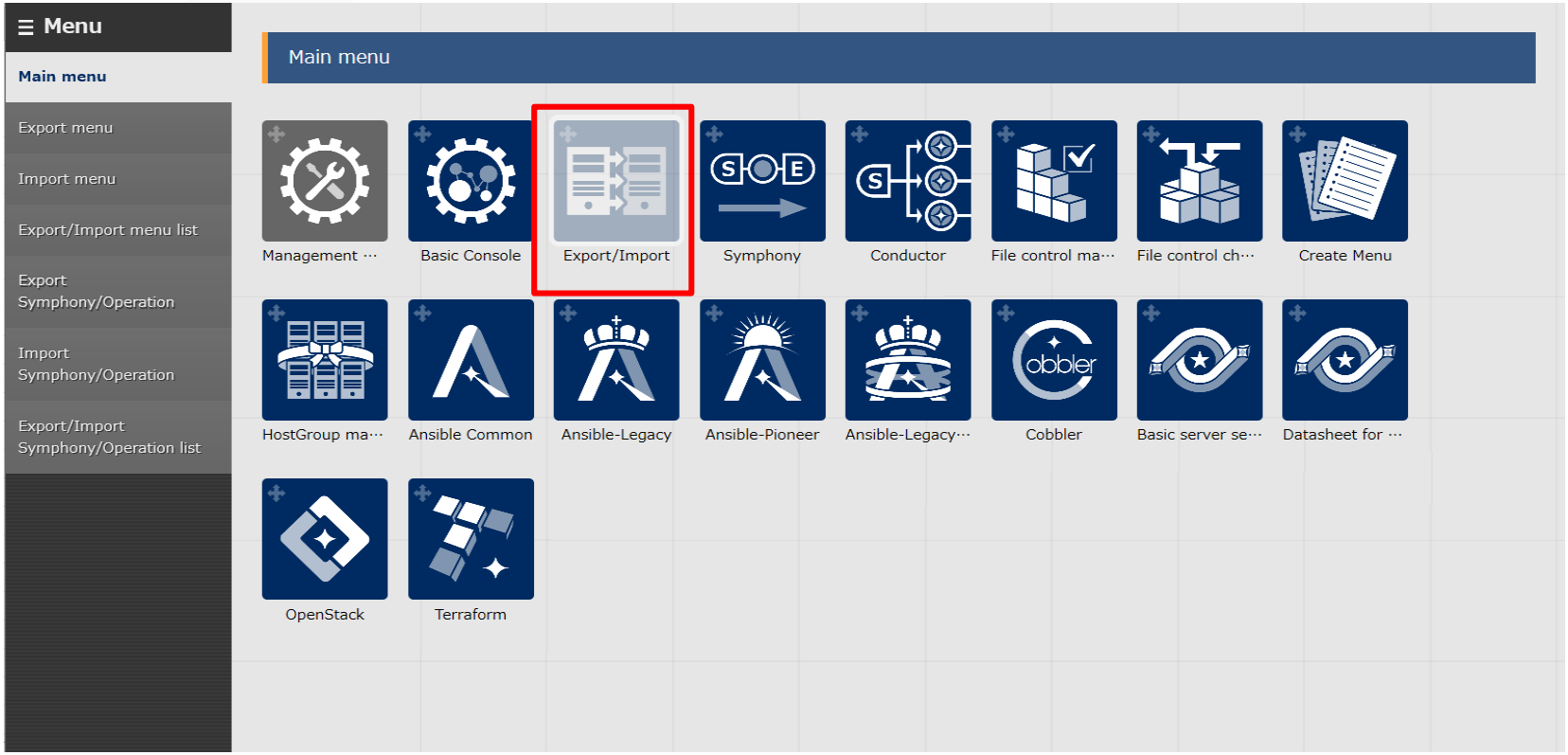
1. Introduction

About this document

This document aims to introduce the reader to the Export/Import function by teaching them through a hands-on scenario



2. Practice ①. Menu export

Work environment

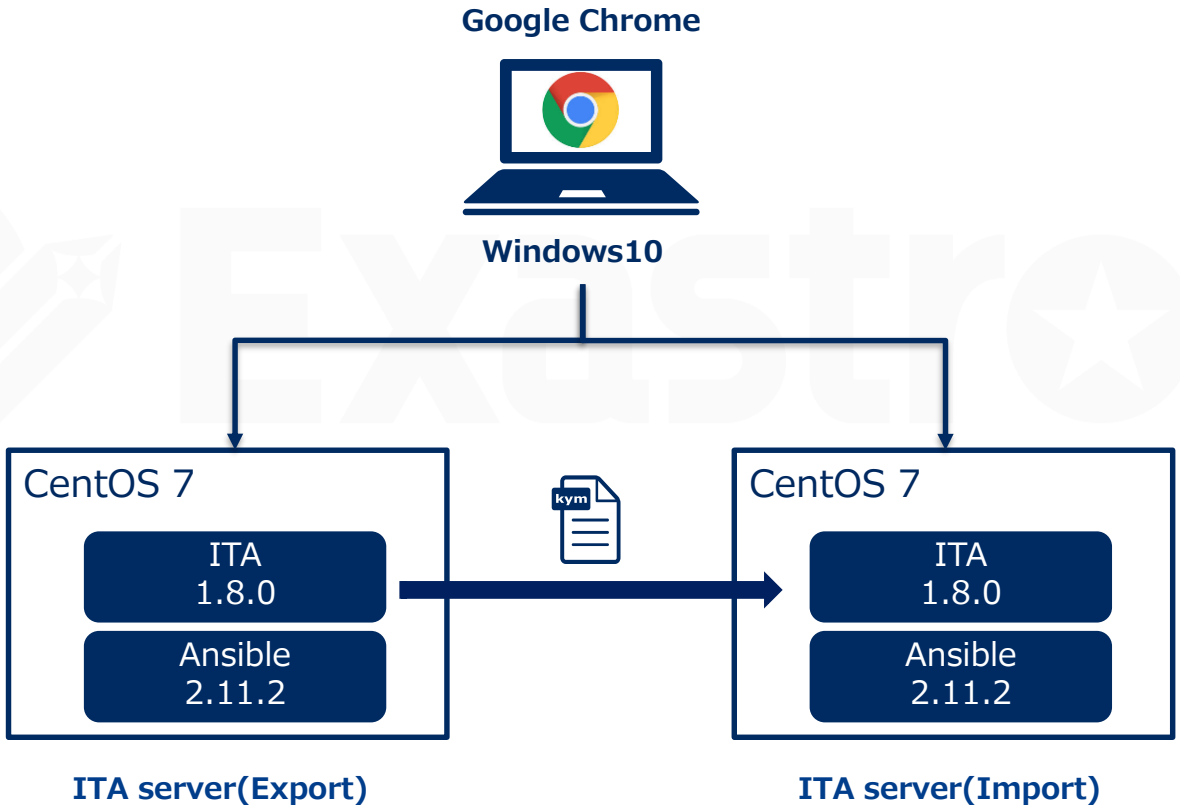
The environment used in this document is as following.
The Export/Import function requires 2 menus in order to function.

Client machine

- Google Chrome
- Windows10

ITA Server (2)

- CentOS 7 (※1)
- ITA 1.8.0
- Ansible 2.11.2



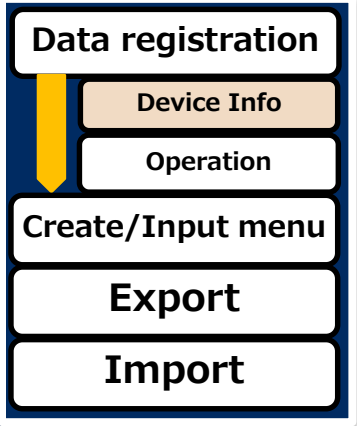
※1 In this scenario, the host server is running on CentOS7, but ITA can be installed on any RHEL7/RHEL8 type OS.

Work procedure

This scenario will follow the procedure shown below.

1. Device information	① Data registration
2. Operation	
3. Menu creation / Input group creation	② Menu creation/Input
4. Menu creation	
5. Input created menus	
6. Execute export	③ Export
7. Download Kym file.	
8. Execute import	④ Import
9. Check import results	

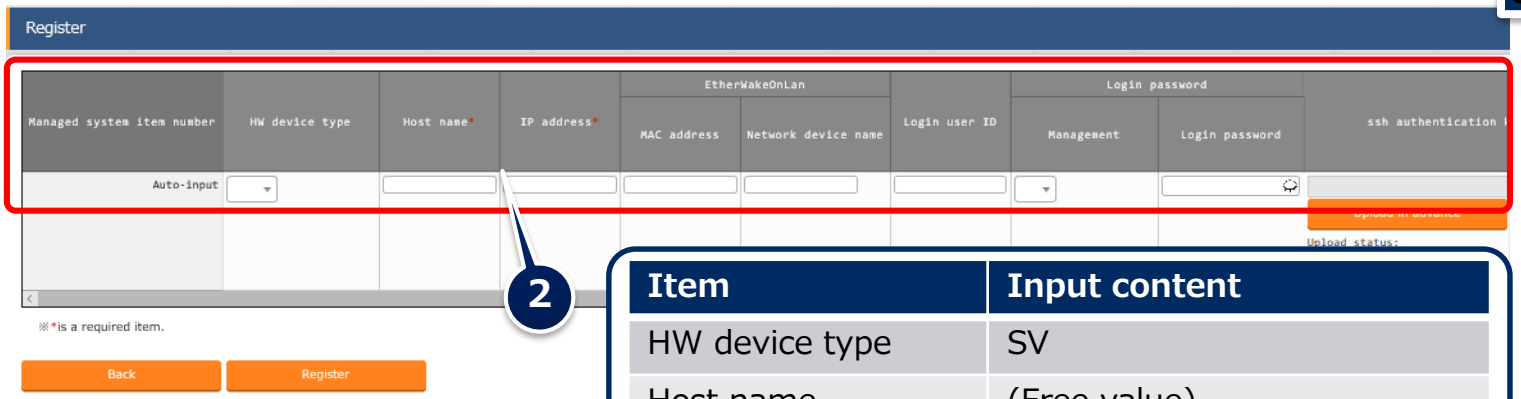
Device registration



Menu: Basic console> Device list

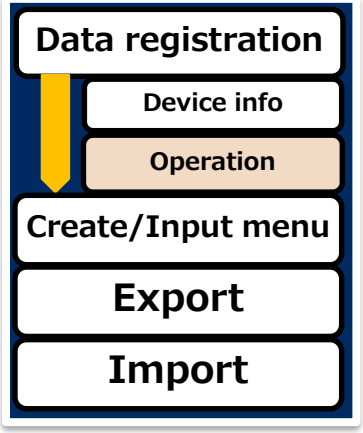
① Click ”Start Registration” under the “Register” sub-menu

② Select or input the following information for each item and click “Register”



Item	Input content
HW device type	SV
Host name	(Free value)
IP address	Target device IP Address
Login user ID	(Free value)
Management	●
Login password	(Free value)
Authentication method	Password authentication

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”

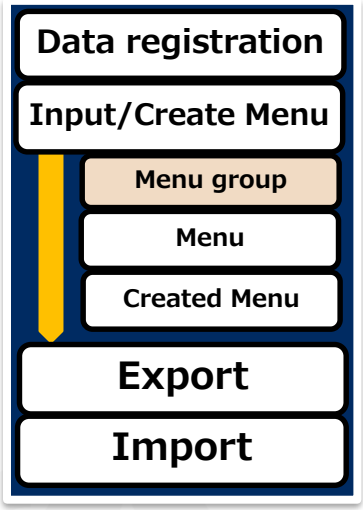
Operation name	Scheduled date for execution
OP1	(Free value)

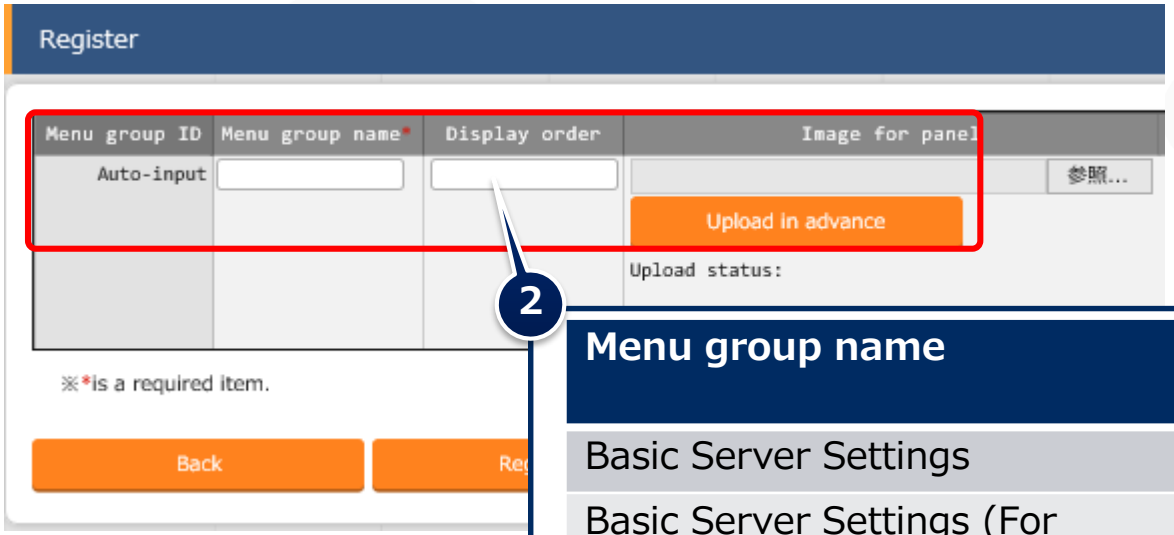
Menu group creation

Menu: Management Console> Menu group list.

① Click the “Start Registration” button under the “Register” sub-menu

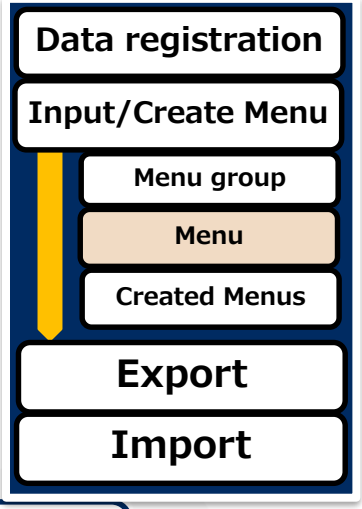
② Input the following information for each item and click “Register”





Menu group name	Display Order
Basic Server Settings	125
Basic Server Settings (For referencing)	130

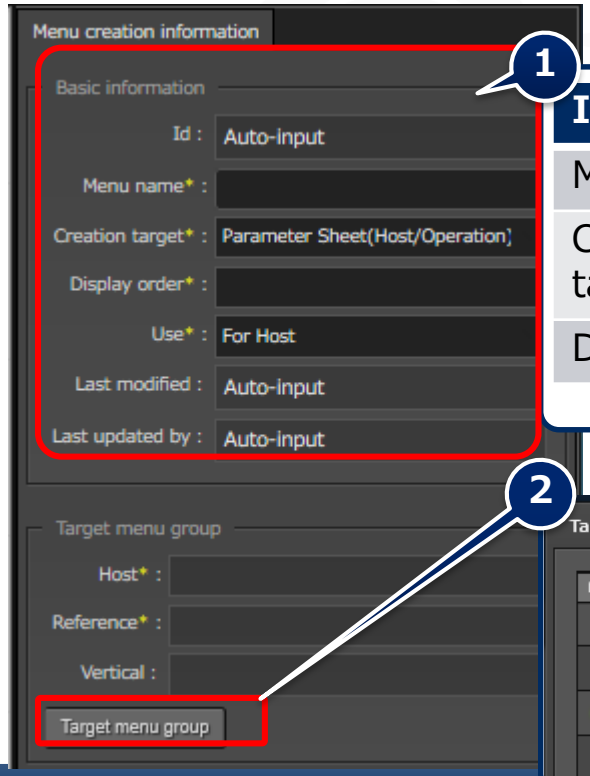
Create Parameter sheets



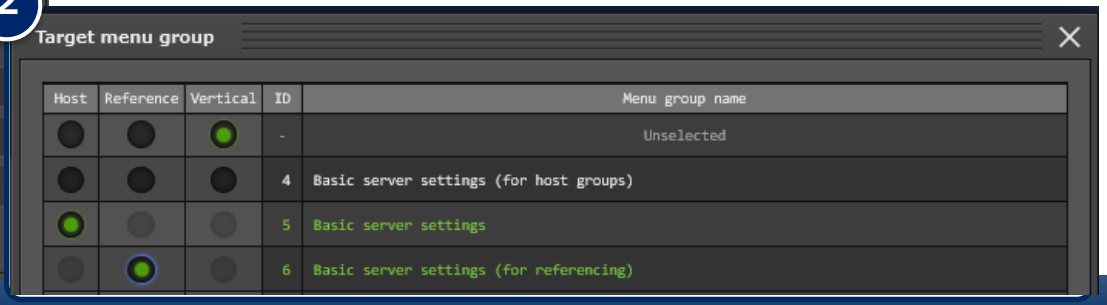
Menu: Create menu> Create/Define menu

① Input the following for “Menu creation information”

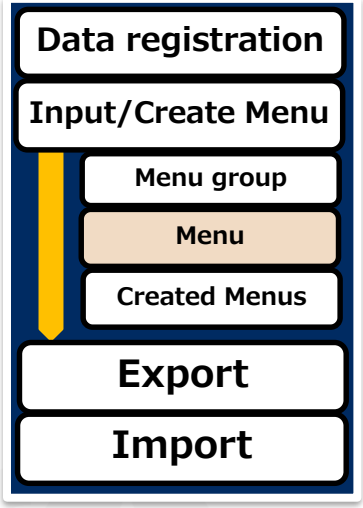
② Click “Target menu group” and select the target menu group.



Item	Input content
Menu name	Directory settings
Creation target	Parameter Sheet(Host/Operation)
Display order	1



Define Parameter Item names.

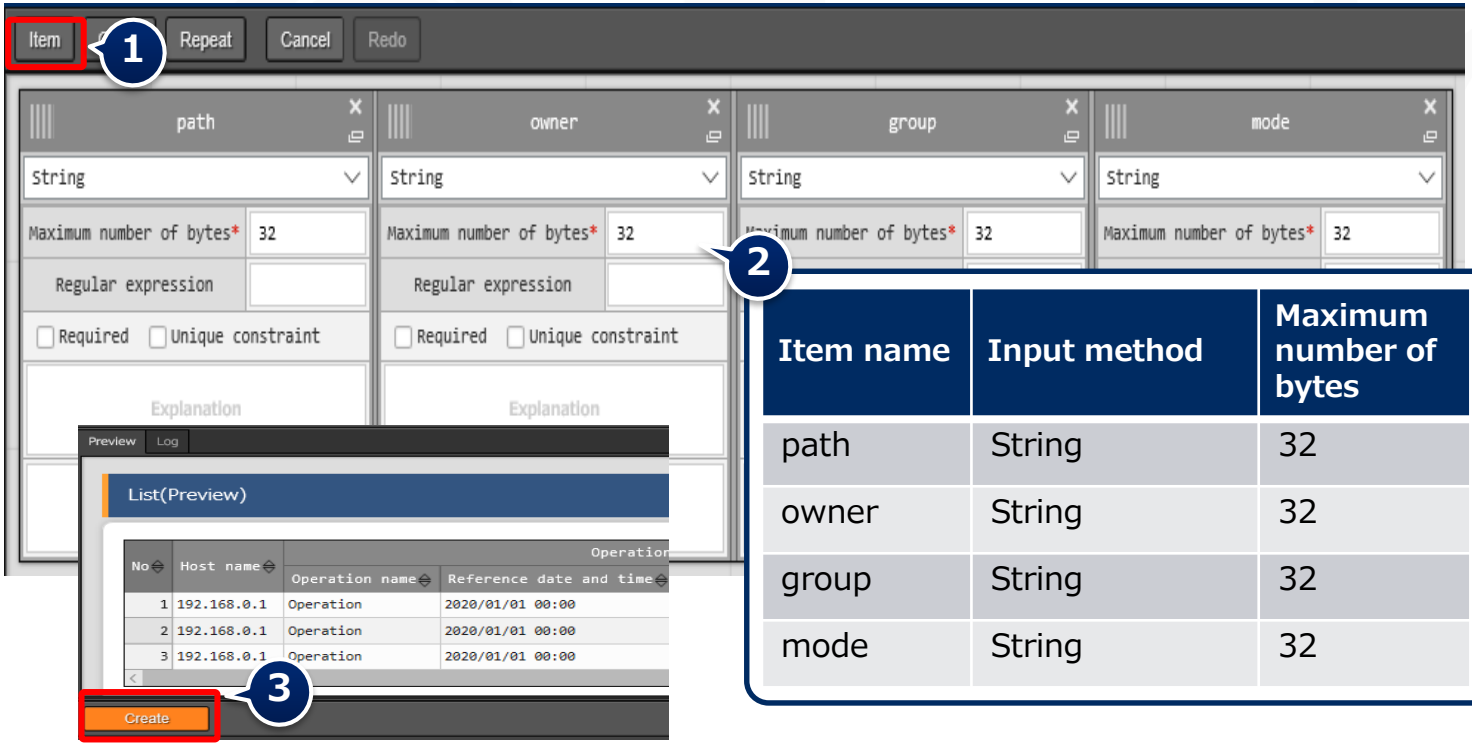


Menu: Create Menu> Create/Define menu.

① Press “Item” and add new items.

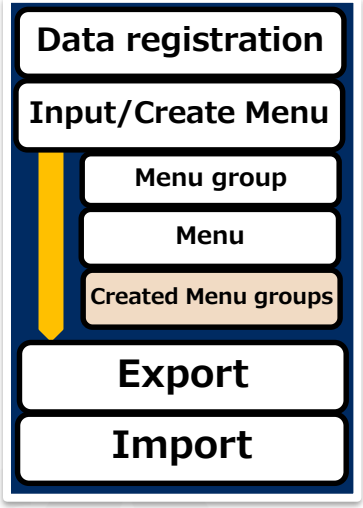
② Select or input the following for each item and click “Register”

③ Click “Create” on the bottom of the screen.



Item name	Input method	Maximum number of bytes
path	String	32
owner	String	32
group	String	32
mode	String	32

Register data to Parameter sheet.

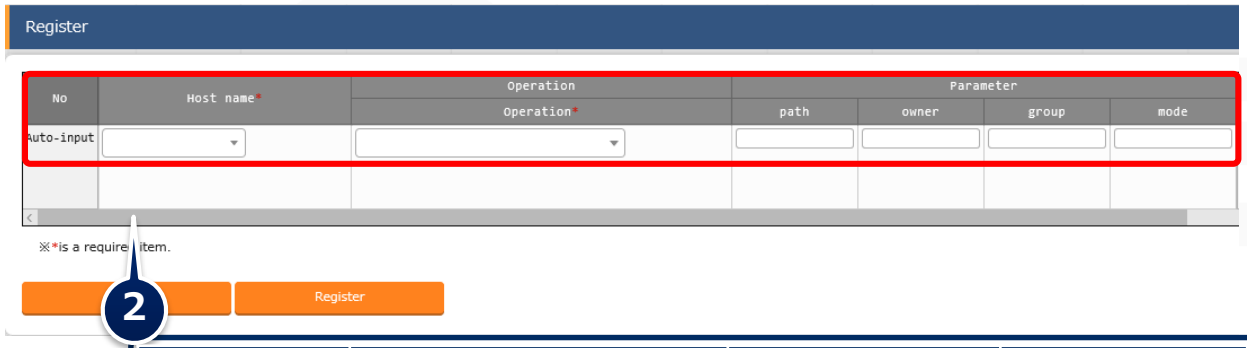


Menu: Basic Server Settings> Directory Settings

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.



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

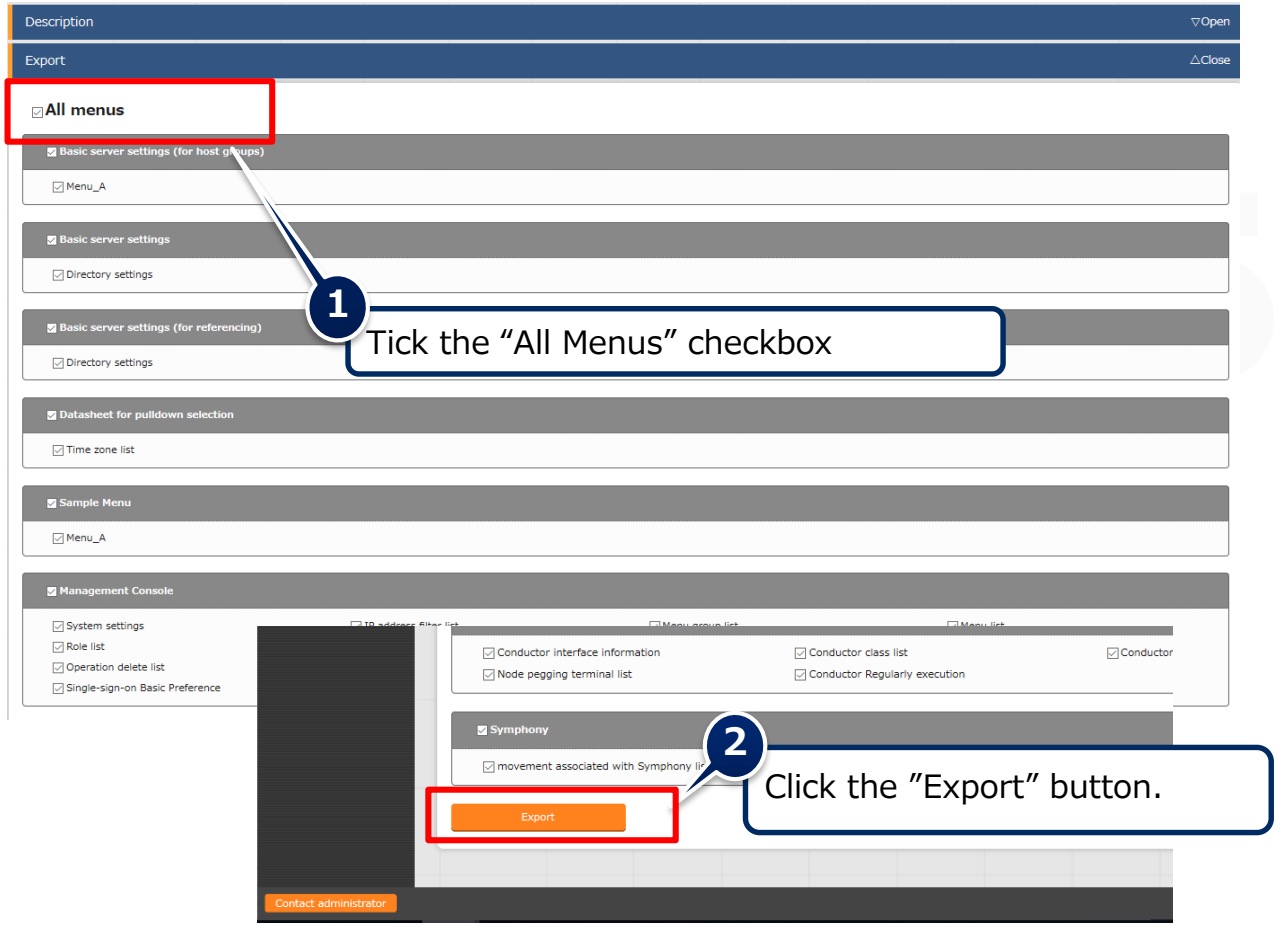
3

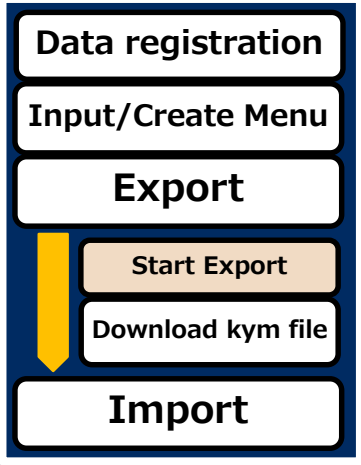
Host name	Operation	path	owner	group	mode
Arbitrary	OP1	/tmp/work2	root	root	0644

Export Execution

Choose and export the registered information

Menu: Export/Import> Export menu





Download Kym File

Let download the exported data.

Menu: Export/Import> Export/Import menu list

① Click “List”

② Click the “Filter” button.

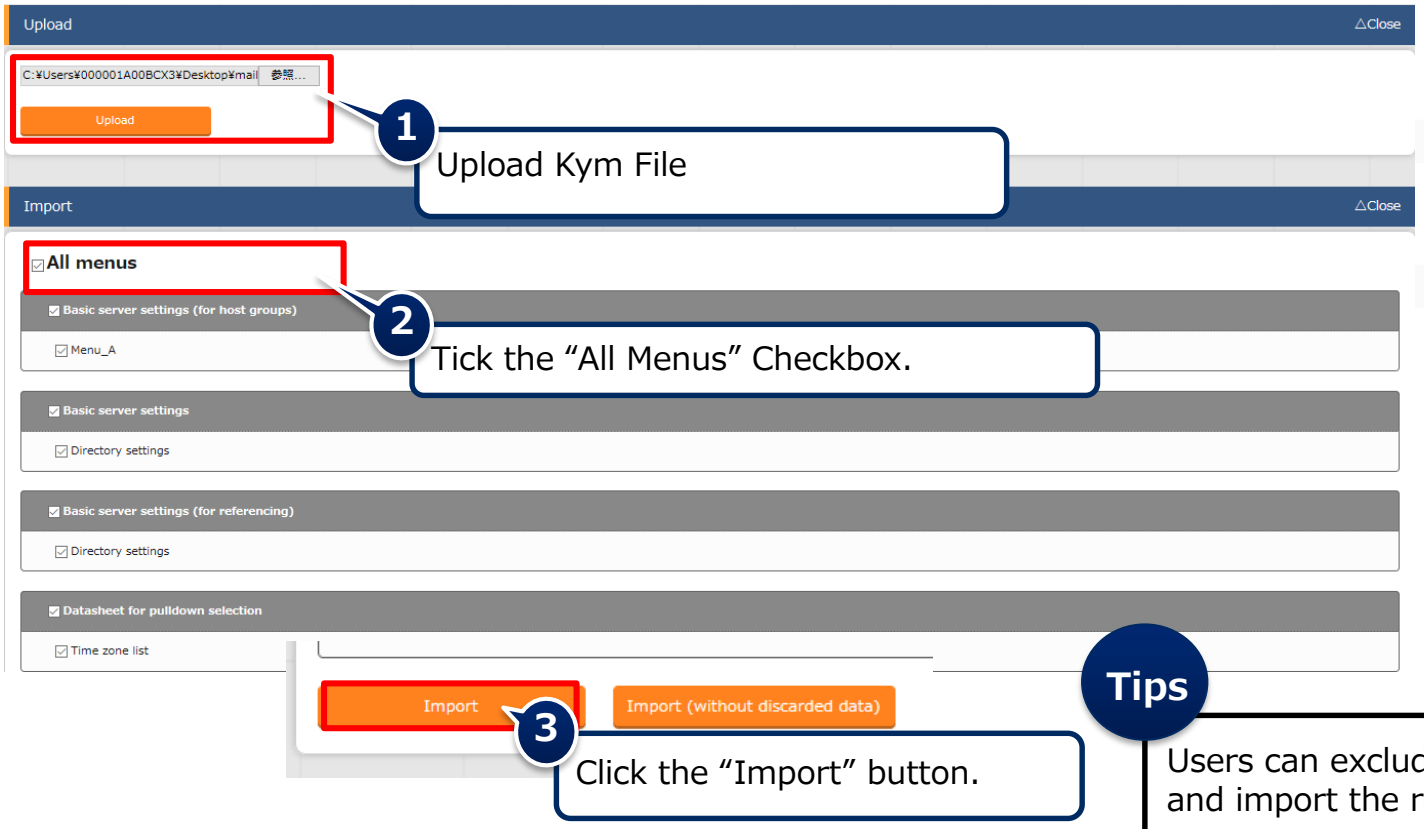
③ Download Kym file from the export status list.

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



Tips

Users can exclude discarded data and import the rest of the data.

Check Import status

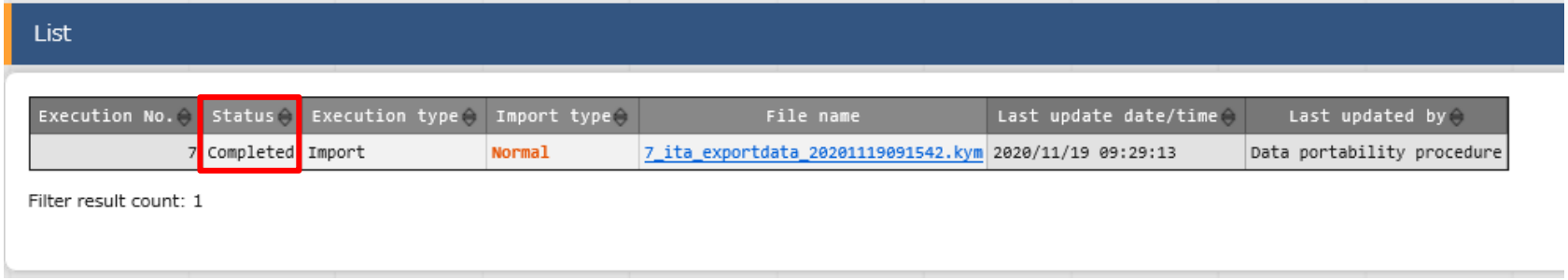
Let`s check the imported information
and see if the status is “Completed”

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”



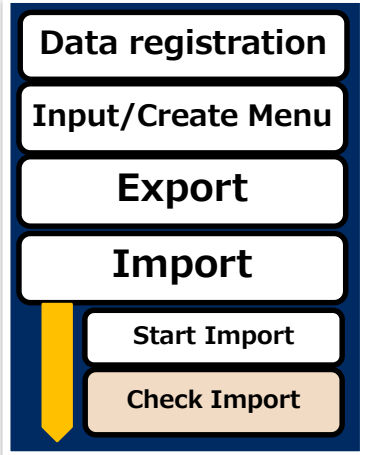
Check Import results

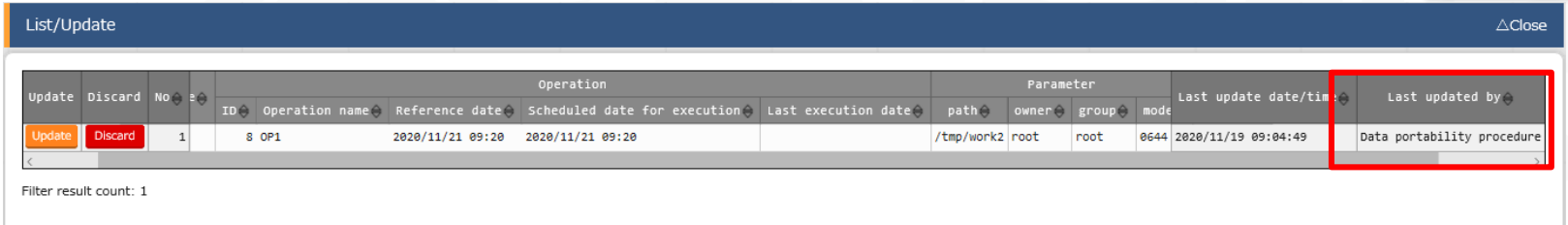
Lets check the imported menus. All change history for each record should also be moved. Let`s put them together and check them.

Menu: Server Basic Settings> Directory settings.

① Click “Filter”

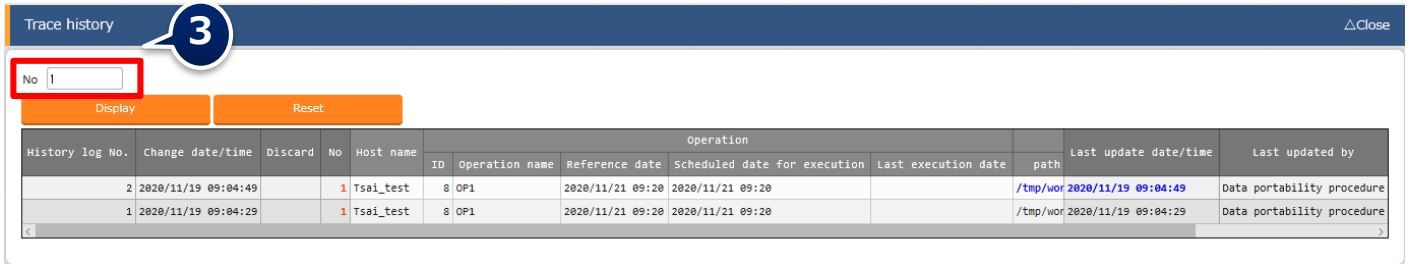
② Check if the Menu information has been migrated by “Data Portability Procedure”





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　Excel Bulk export/import

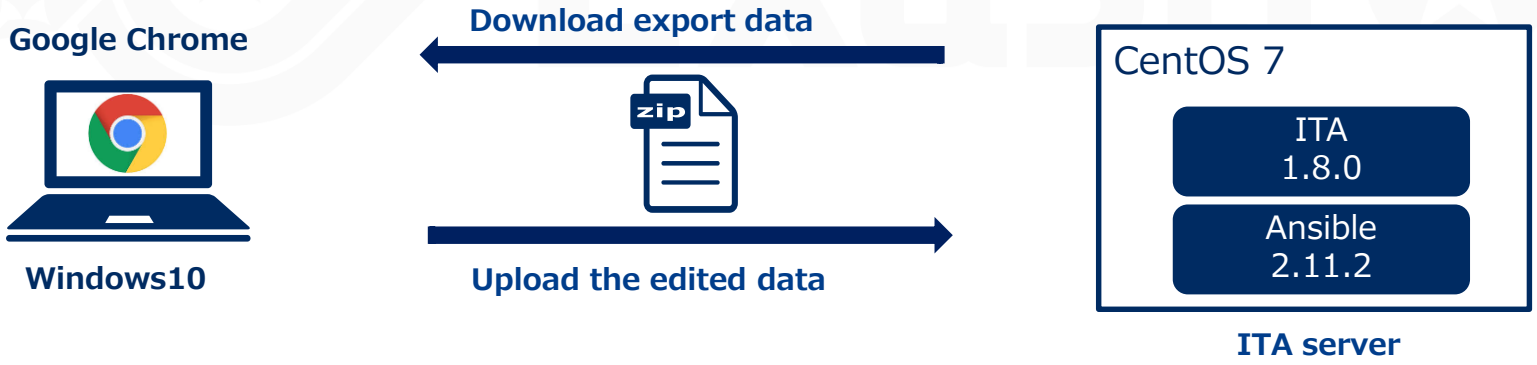
Work environment

The following scenario uses the following environment.

The scenario requires one ITA server.

Client device
- Windows10
- Google Chrome

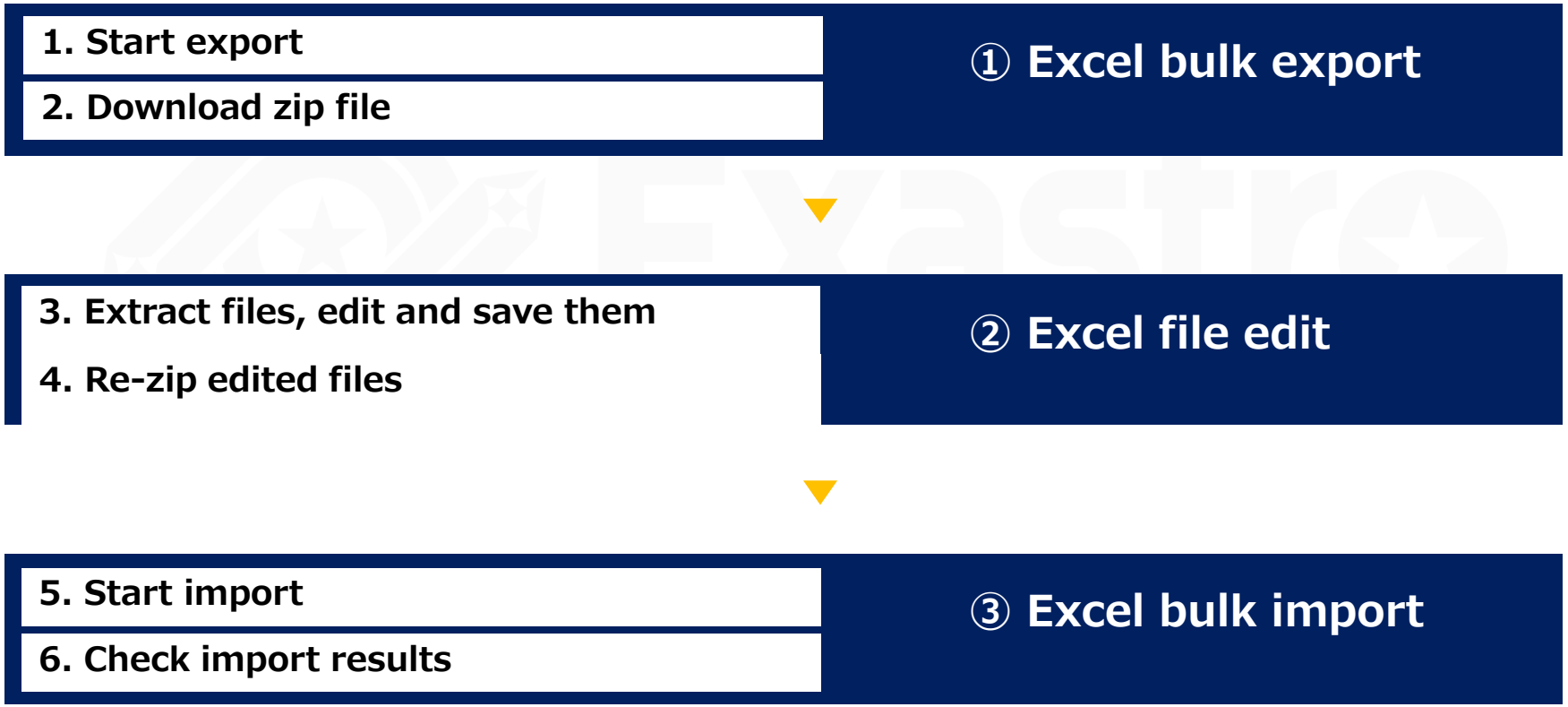
ITA server (x1)
- CentOS 7 (※1)
- ITA 1.8.0
- Ansible 2.11.2



※1 In this scenario, the host server is running on CentOS7, but ITA can be installed on any RHEL7/RHEL8 type OS.

Workflow

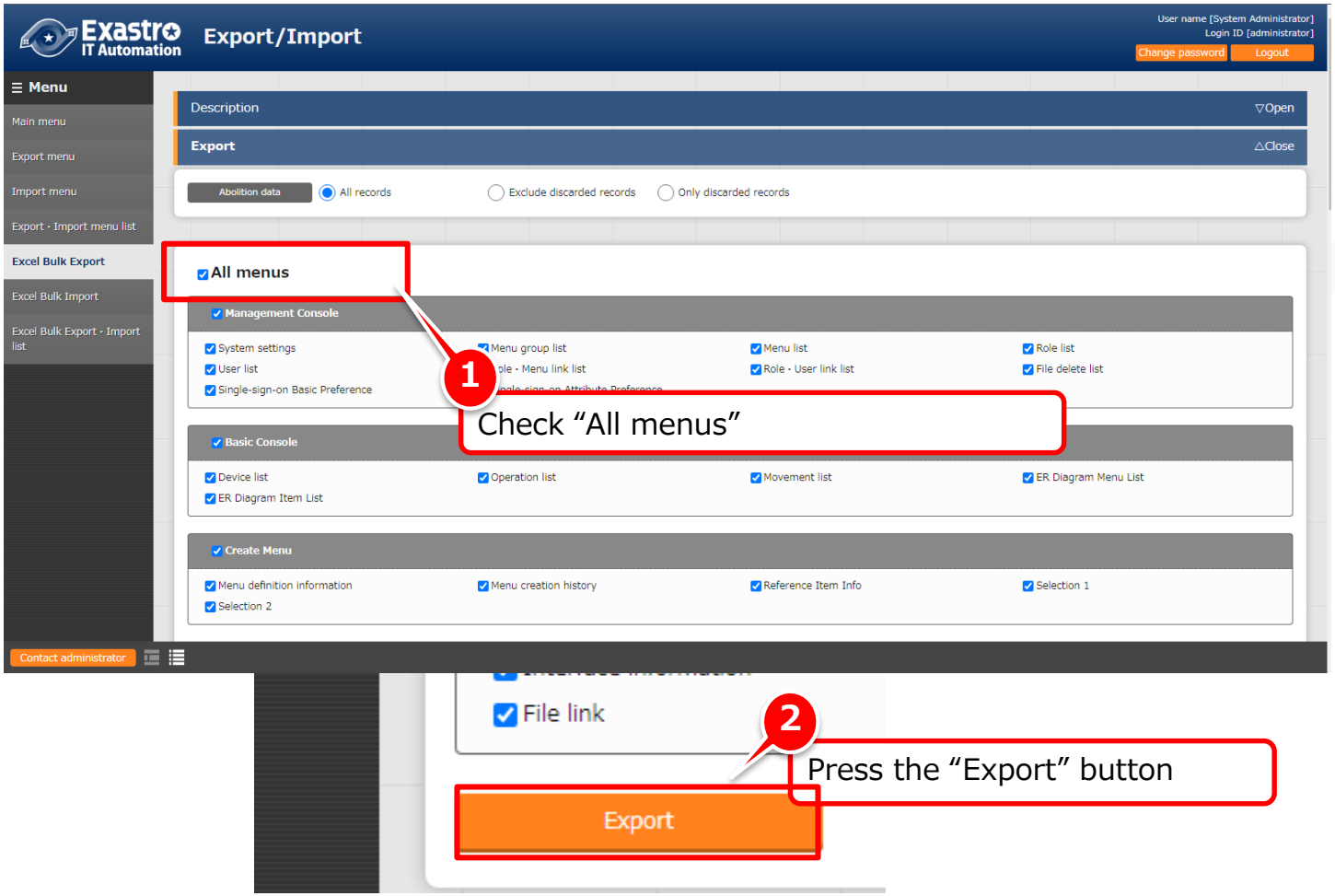
This scenario will have the user use the Excel export function to register data to the Role list or the Operation list. The following figure illustrates the workflow.



Start the export

Start exporting menus.

Menu: **Export/Import >Excel bulk export**



Download zip file

Download the exported data.

Menu: **Export > Excel bulk export/import list**

① Press “List”

② Download the Zip file from the export status list.

History	Execution No.	Status	Execution type	Abolition data	Execution user	File name
History	1	Completed	Export	Exclude discarded records	administrator	ITA_FILES_20210906163722.zip

2

Extract zip file and edit contents

① Extract the downloaded zip file
② Open the file and open Management console> role (Excel file)
③ Edit the file so it matches the picture below and save it.

Execution process type	Role ID	Role name
	×	•
	×	•
	×	×
	×	×
	NG	NG
Select processing type.	Cannot edit because of auto-numbering. Must be blank when execution process type	Multiple lines of chara string are not allowed character count is 1 bytes, tab and line br cannot be entered, re item, duplication with records is not allowe

Execution process type	Role name
Register	Role_A
Register	Role_B

Execution process type	Role ID	Role name
Register		Role_A
Register		Role_B
-		

3

Extract zip file and edit contents

Edit the contents of the downloaded file

① Extract the downloaded zip file

② Open the file and open > Basic console > Operation list (Excel file)

① Edit the file so it matches the picture below and save it.

Execution process type	Discard	No.	Operation ID	Operation na
	×	×	×	•
	×	×	×	•
	×	×	×	×
	×	×	×	×
	NG	NG	NG	NG
Select processing type.	Discard flag. Cannot do operation other than restore.	Cannot edit because of	Operation ID (auto numbering)	[Maximum leng 256 bytes

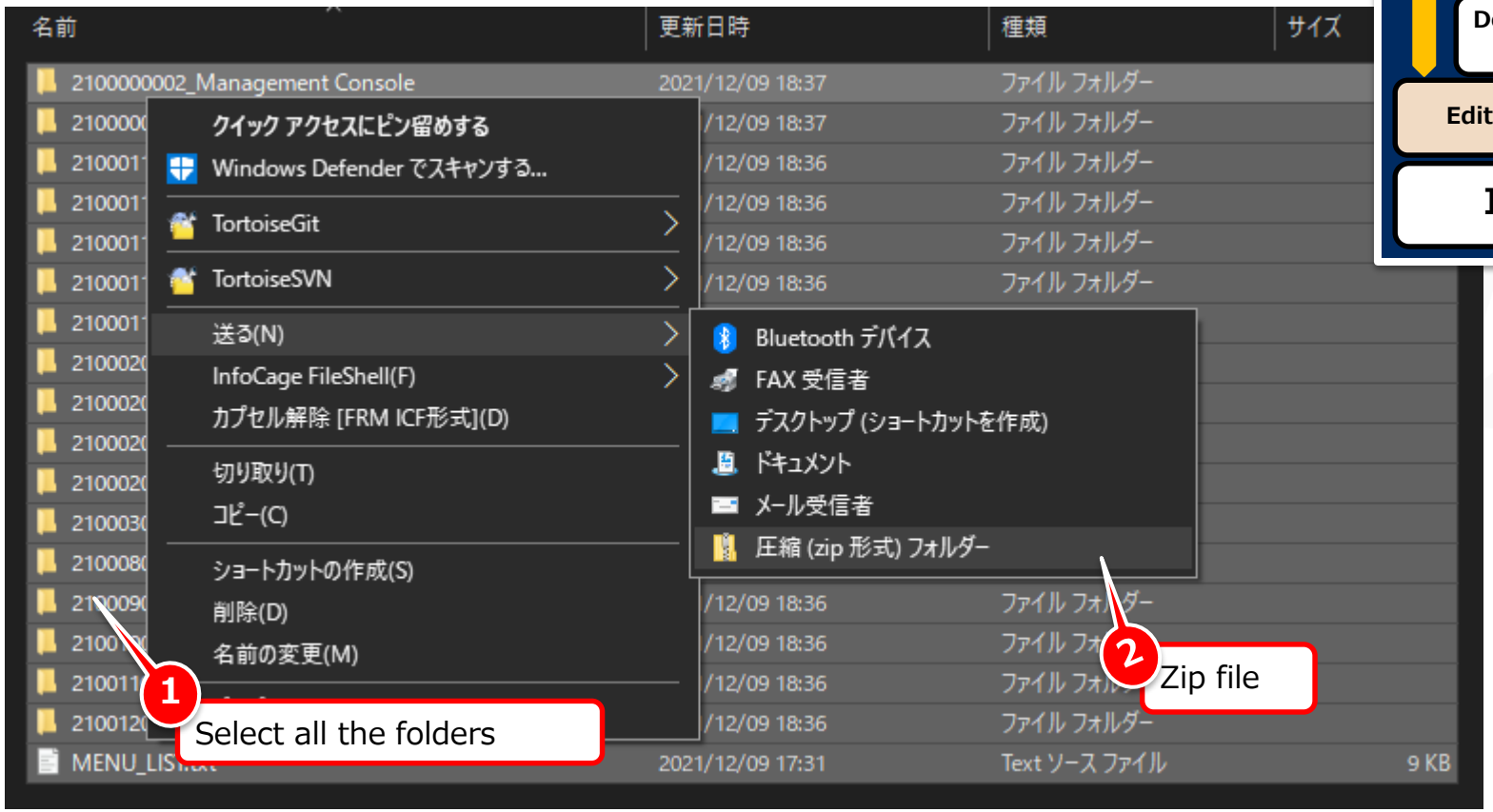
Execution process type	Discar	N	Operation ID	Operation name	Scheduled date for execution
Register				OP_1	
Register				OP_2	
Register				OP_3	

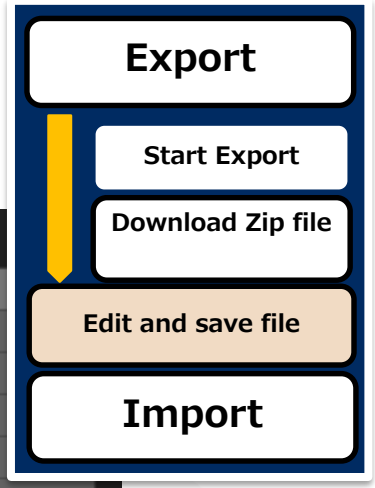
3

Execution registration type	Operation name	Scheduled execution date
Register	OP2	(Free value)
Register	OP3	(Free value)
Register	OP4	(Free value)

Zip the edited file

※Name the file to your liking

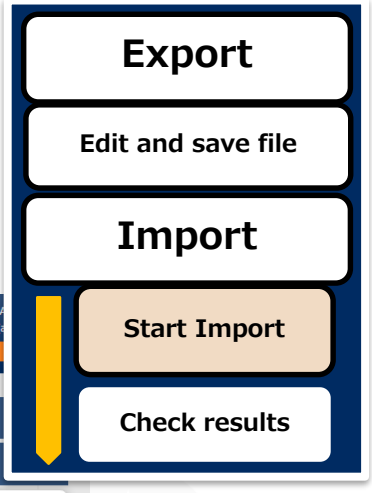


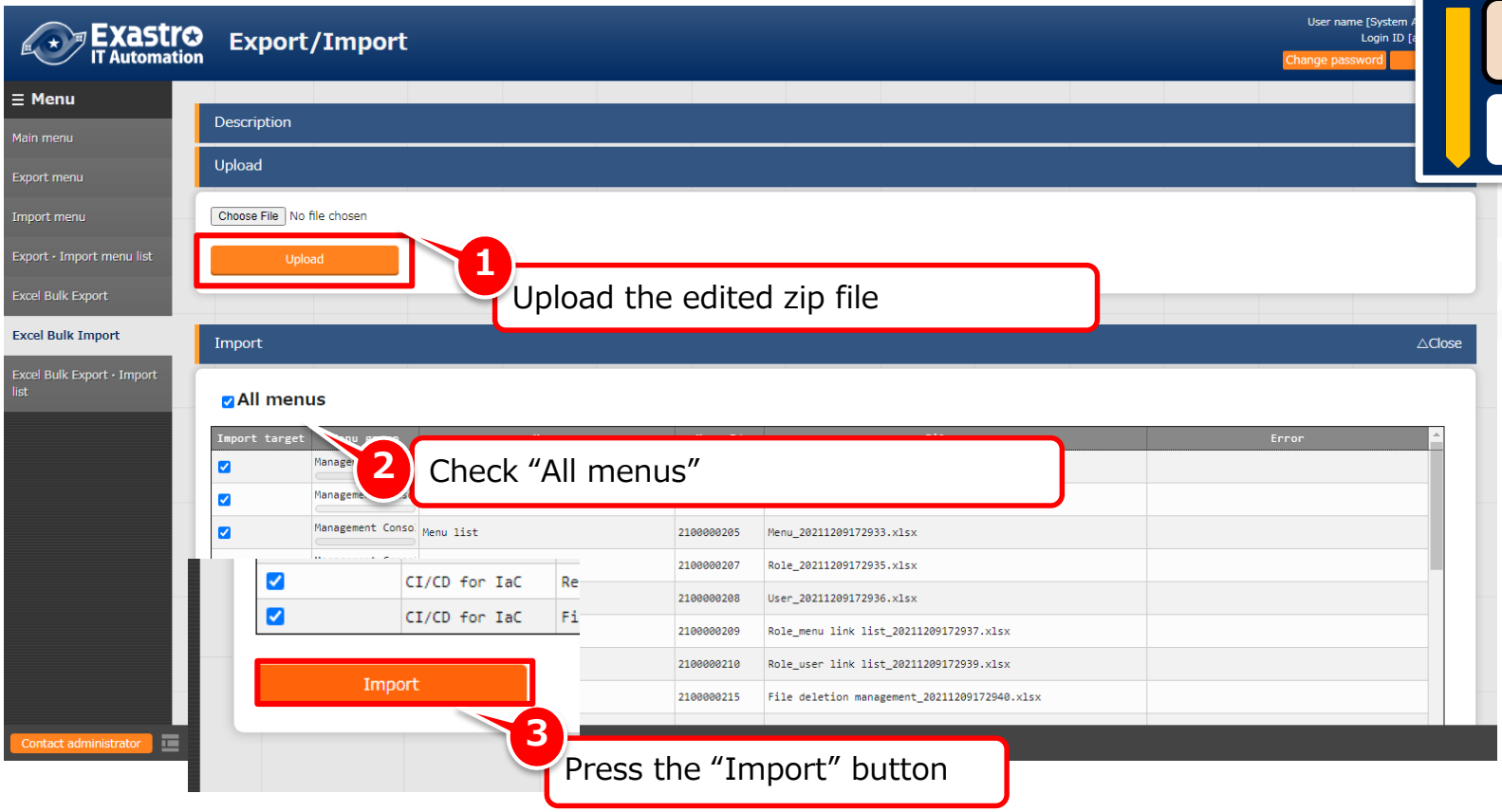


Start excel bulk import

Upload the zip file and start importing

Menu : **Export/Import > Excel bulk import**

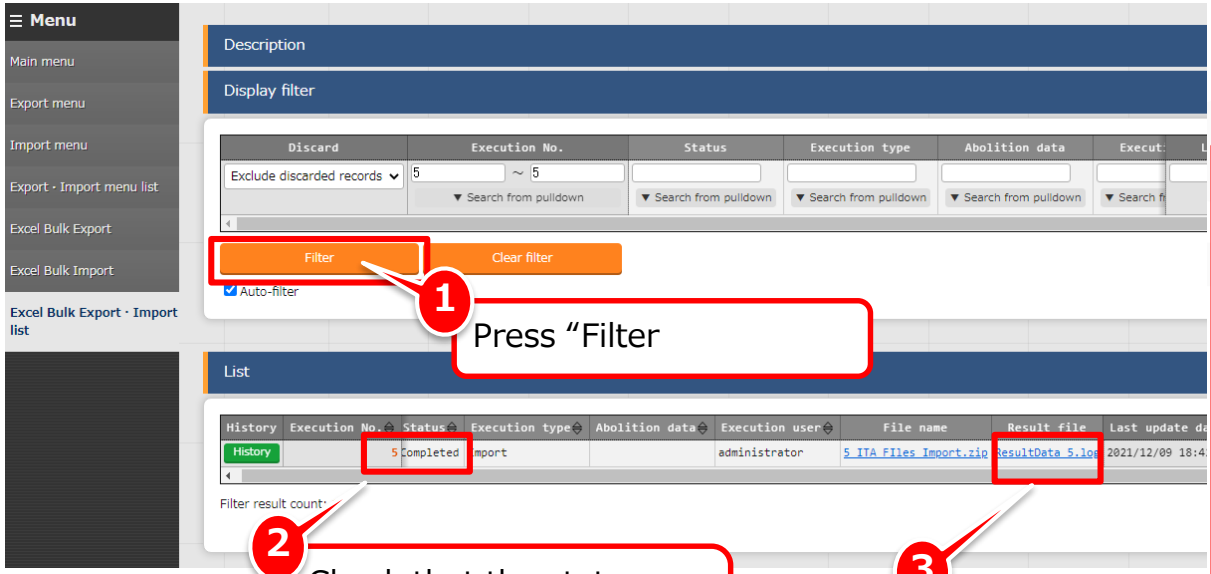


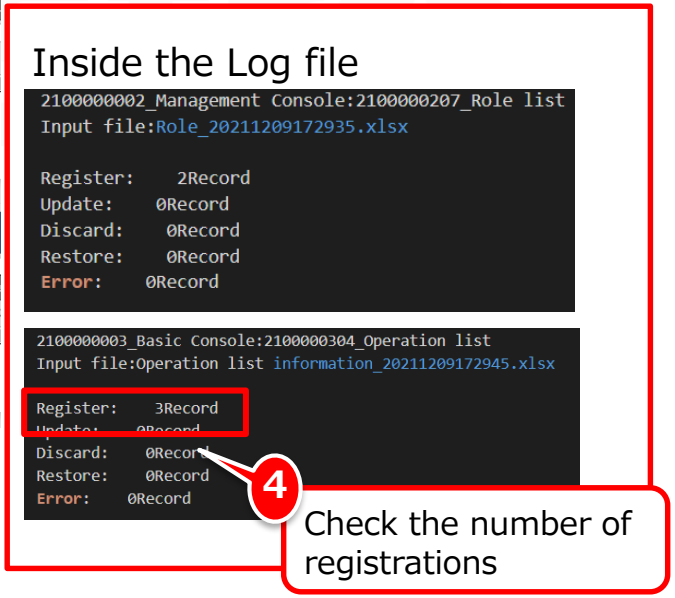


Check the Import status and the Registration resul

Check that the import has ended successfully and that all of the items has been registered.

Menu : **Export/Import >**
Excel export/import list

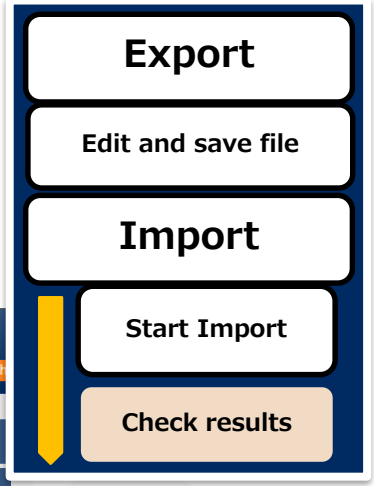


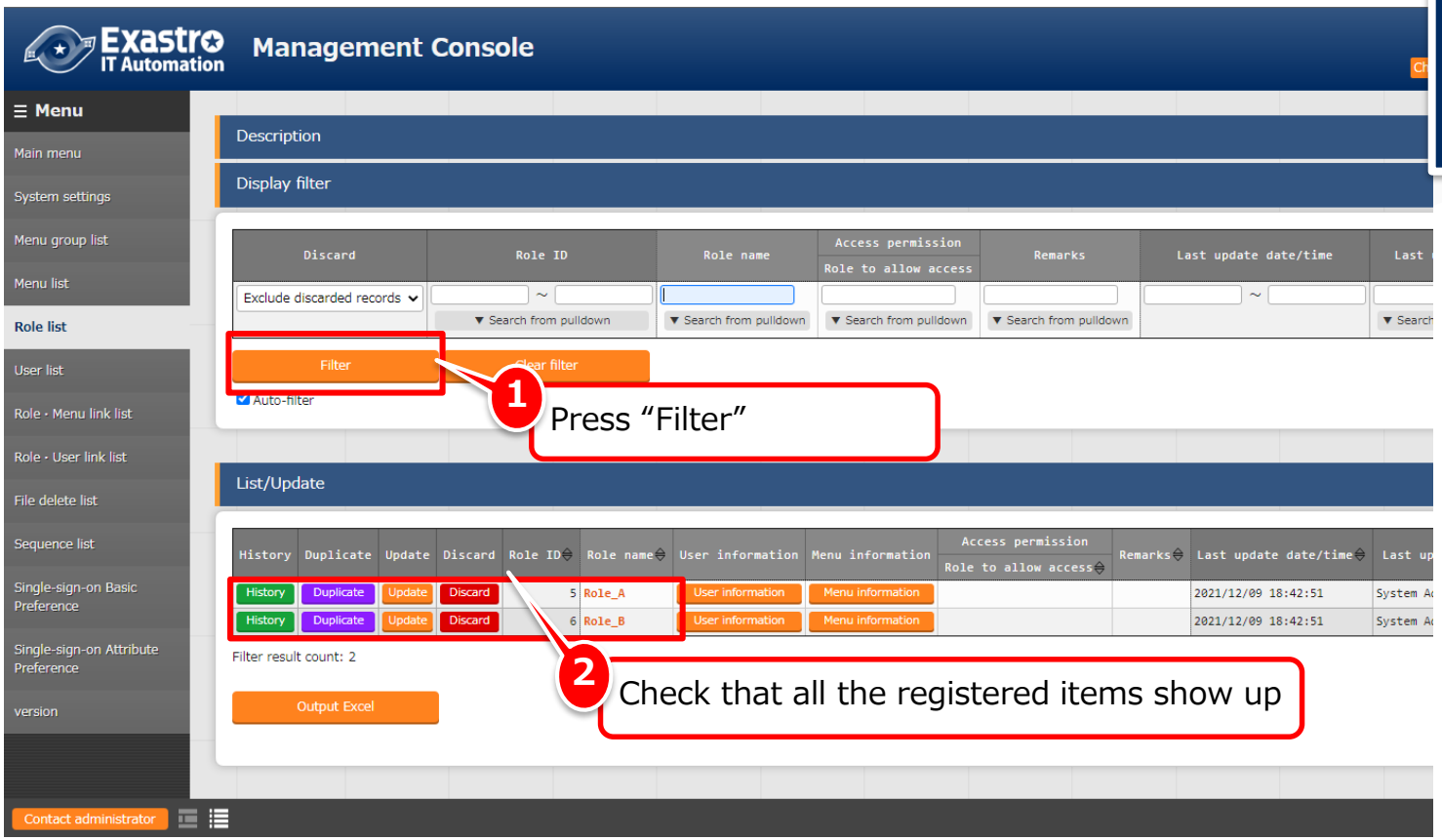


Check registered contents

Check that the registered contents are being displayed.

Menu : **Management console > Role list**



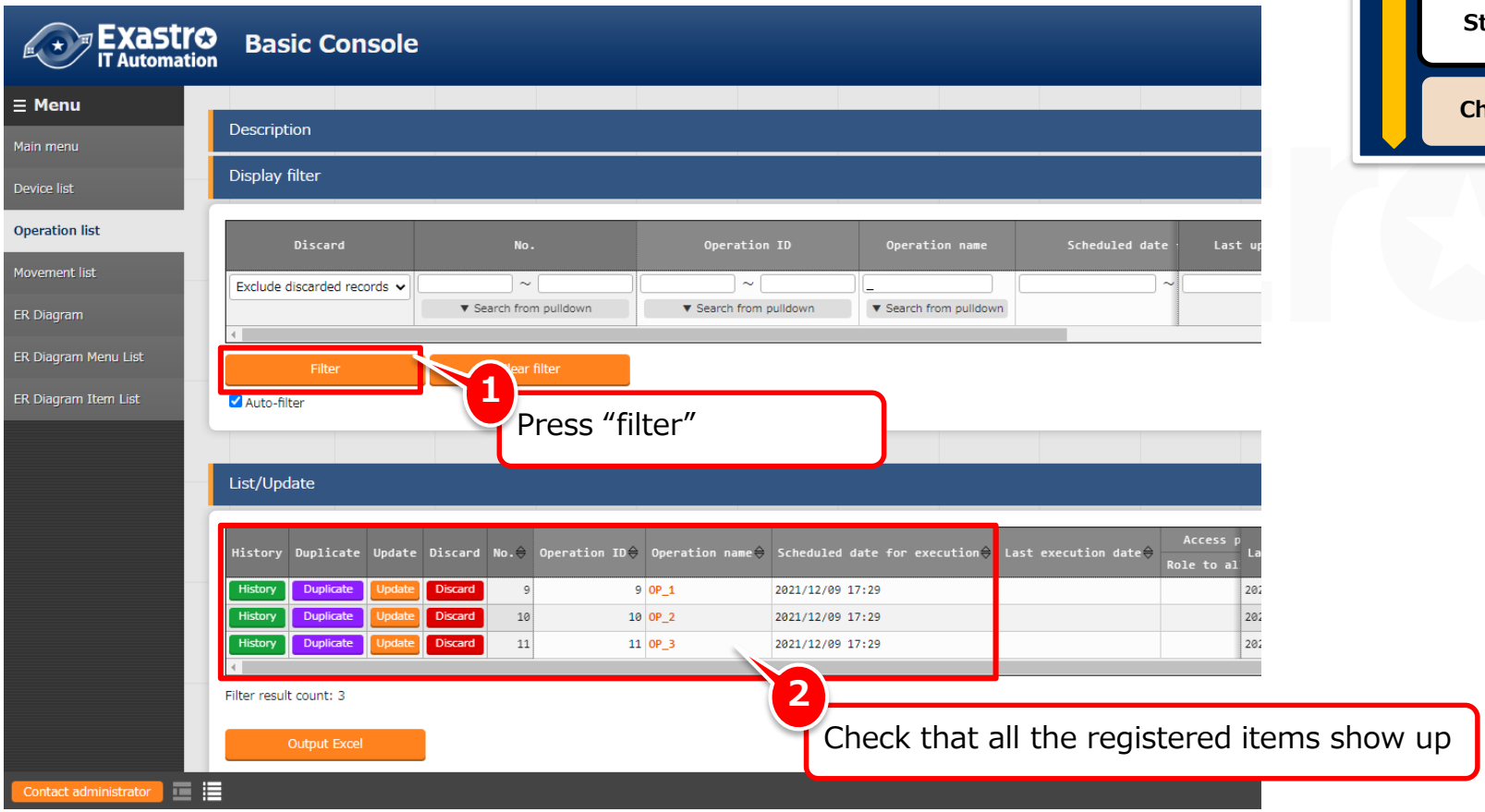


3.5 Excel bulk import (3/3)

Check registered contents

Check that the registered contents are being displayed.

Menu : **Management console > Role list**



Exastro