



IT Automation

Export/Import

【Tutorial】

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

Version1.0

Exastro developer

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2. Export/Import function

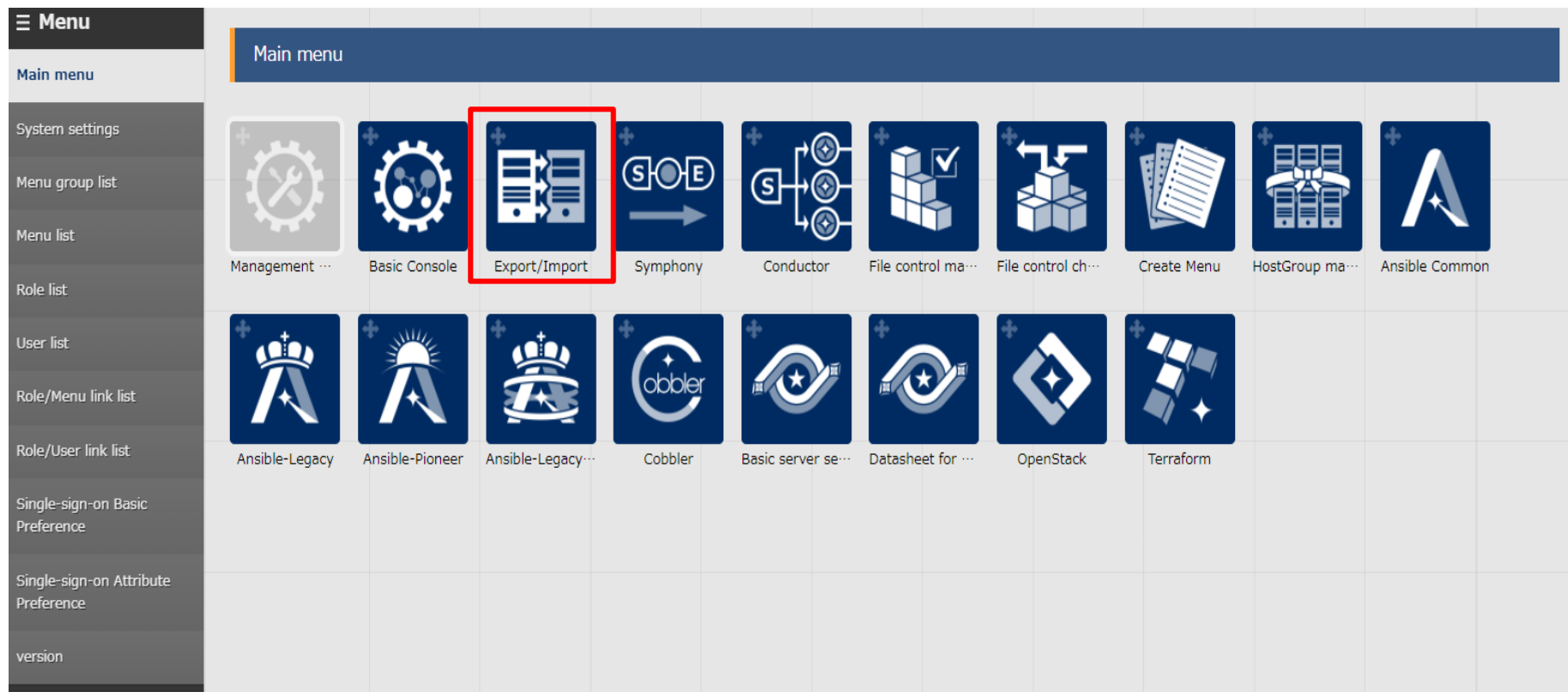
1.1 Introduction

About this document

This document will explain the "Export/Import " Menu and its functions.

Detailed specifications are described in the [User Instruction Manual](#)

Please refer to it as needed.



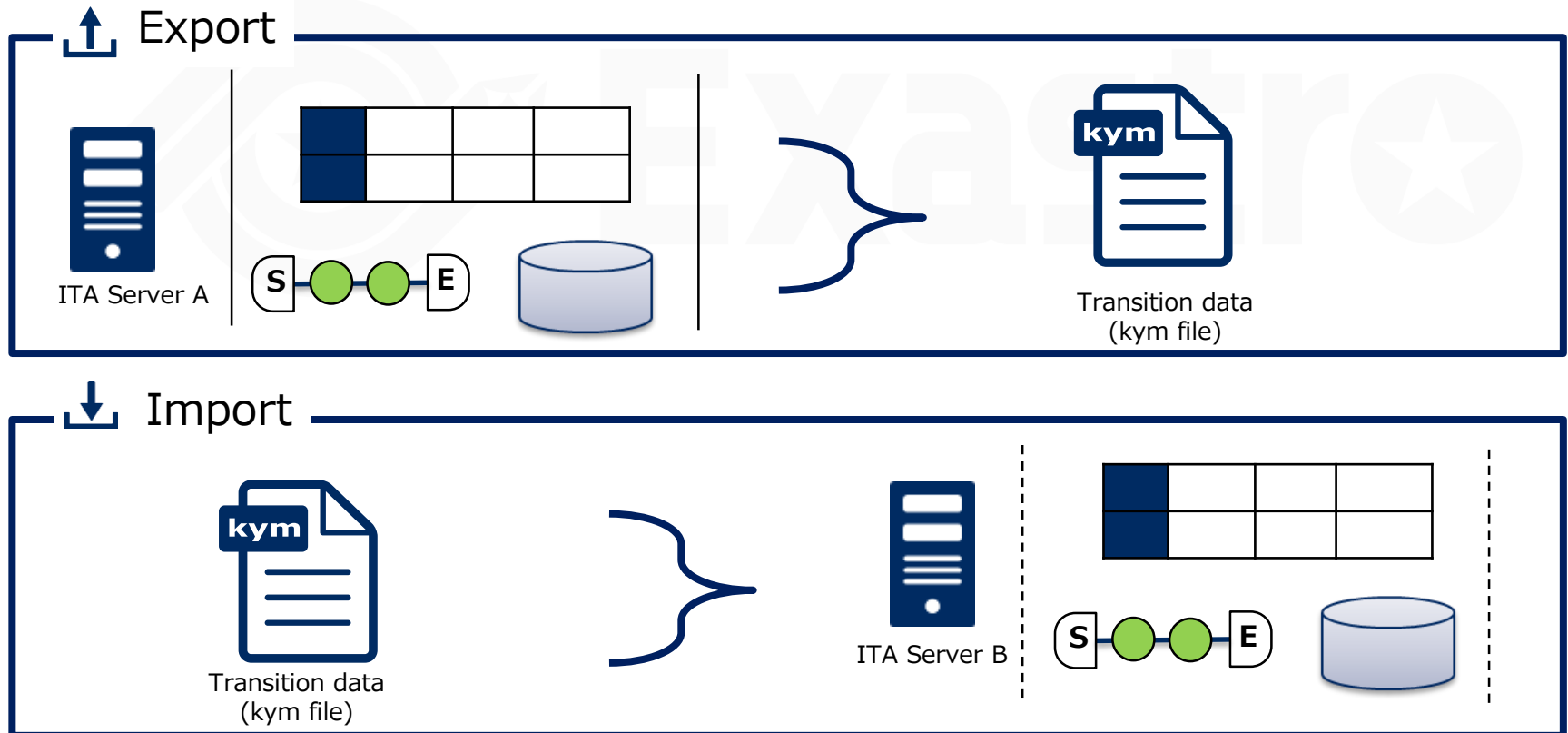
2. Export/Import function

2.1 Overview(overall)

Overview of Export/Import function

The following data can be migrated to another ITA server by using the "Export/Import" function.

- Menu and Registered data
- Created Symphony and Operation



2.2 Overview(menu)

Export/Import menu

Register information can be migrated to the ITA server as menu units.
During import, all existing same menus will be replaced.

It is possible to export all menus that exist on the ITA server and select and export only the required menus.

Figure



I want to only move the required menus from the test environment to the main environment (ITA Server B)

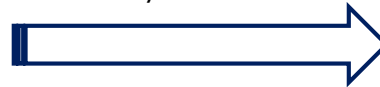


ITA Server A

No	ItemG	ItemH	ItemI
No	ItemD	ItemE	ItemF
No	ItemA	ItemB	ItemC
1	AAA	aaa	111
2	BBB	bbb	222
3	CCC	ccc	333



kym file



ITA Server B

No	ItemD	ItemE	ItemF
No	ItemA	ItemB	ItemC
1	AAA	aaa	111
2	BBB	bbb	222
3	CCC	ccc	333

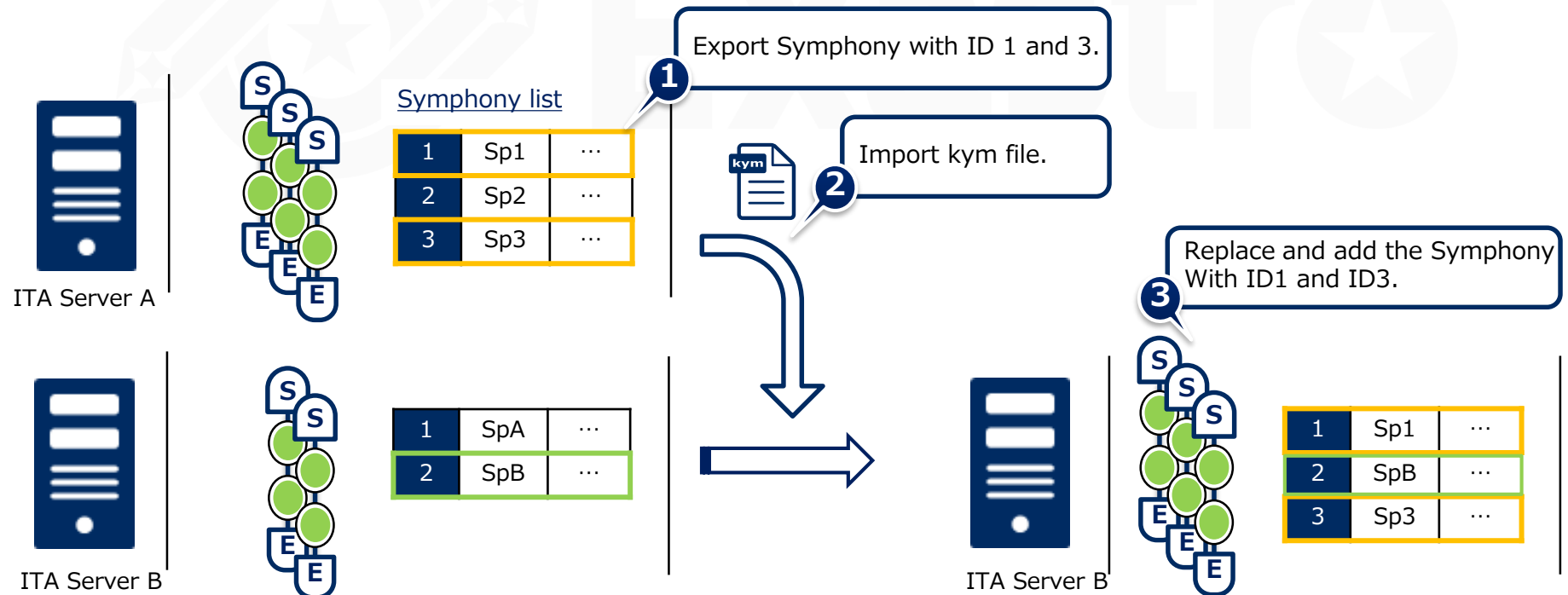
2.3 Overview(Symphony/Operation)

Export/Import Symphony/Operation

Users are able to migrate selected Symphony or operation to another ITA servers. Information such as Movement linked to it will also be migrated.(For details refer to the next section)

Compared to Export menu, only the records linked with the selected Symphony/Operation are acquired and added to the receiving menu.

Symphony export example

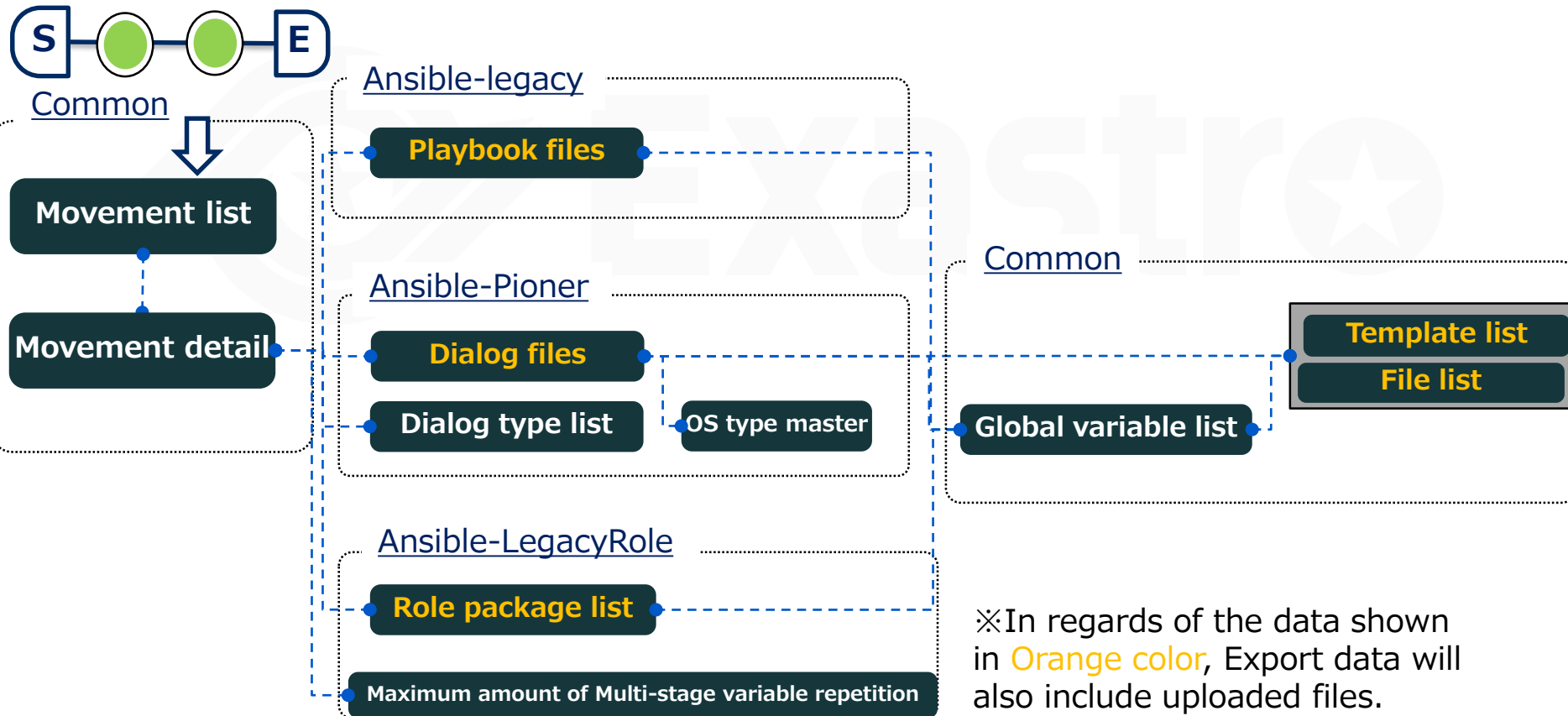


2.4 Data that can be acquired by exporting (1/3)

■ Data that can be acquired during Symphony export (Ansible-Driver)

When exporting Symphony, you will acquire all the information needed by following the related menus.

- The required data is acquired by the Orchestrator.
- The change history of each record is also acquired.
- If a record with the same ID exists, it will be overwritten with the migrated data.



2.4 Data that can be acquired by exporting (2/3)

Data that can be acquired during Symphony export(Terraform/OpenStack)

If the Orchestrator is Terraform or OpenStack, the data will be acquired as shown below.

OpenStack

Movement list

Terraform

Movement list

Movement details

Module files

Workspaces list

Organizations list

PolicySet-Workspace
link list

PolicySet-Policy
link list

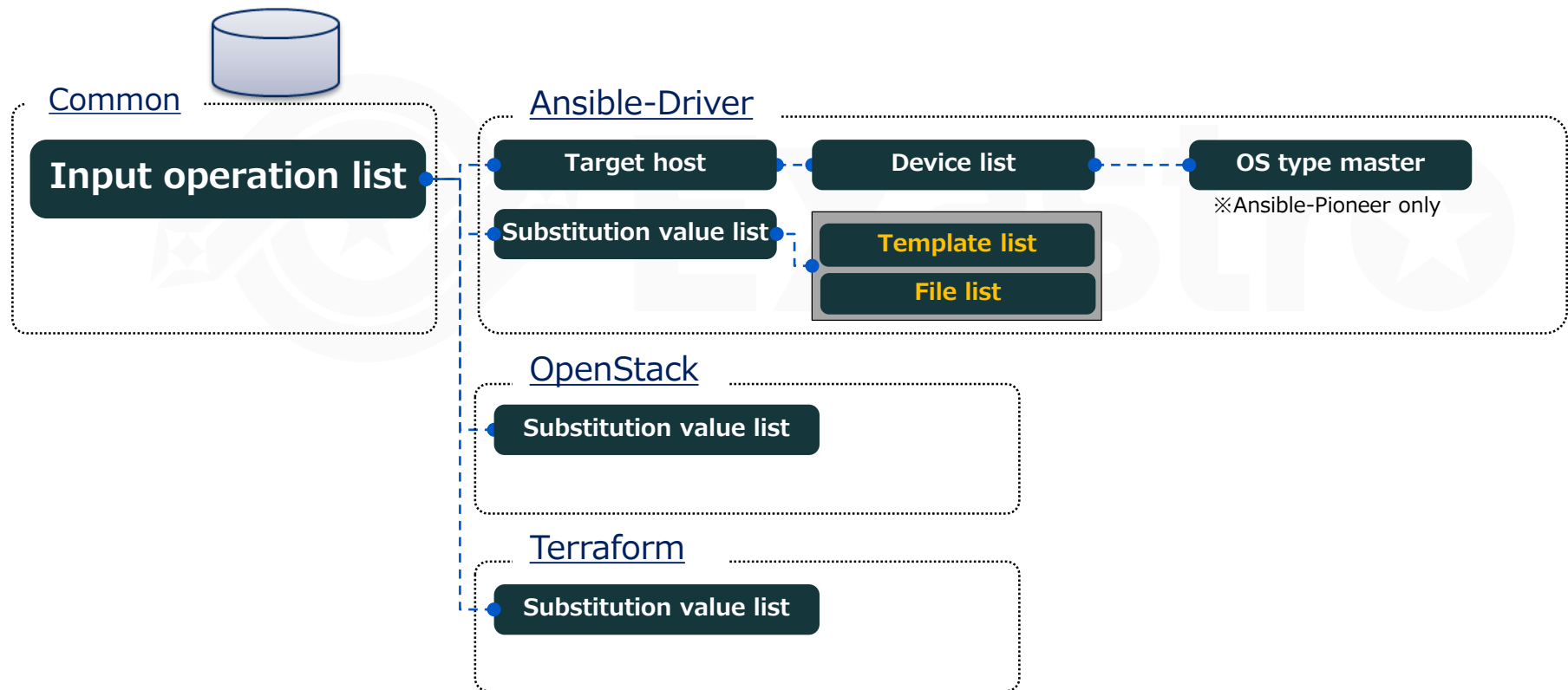
Policies list

Policy Sets list

2.4 Data that can be acquired by exporting (3/3)

Data that can be acquired during Operation export

The data acquired when exporting the operations are shown below.
Data related to the Substitution value list and Target host are acquired.



2.5 Menu overview

Menu overview

Here is an overview of the Export/Import menus and their functions.

Main menu	
Export menu	----- Select and export Menus
Import menu	----- Import files exported in "Export menu".
Export/Import menu list	----- Check the Export/Import status and download it`s data.
Export Symphony/Operation	----- Select and export Symphony and Operations.
Import Symphony/Operation	----- Import the files exported in Export Symphony/Operation.
Export/Import Symphony/Operation list	----- Check the Export/Import status and download it`s data.

2.6 Work flow

Work flow

The work flow of export/import are as follows.

In the practice document, we handle each work in more detail, so please check it.

1. Export

Export menu

Export Symphony/Operation

2. Download kym file

Export/Import list

Export/Import
Symphony/Operation list

3. Import

Import menu

Import Symphony/Operation

4. Check Import

Export/Import list

Export/Import
Symphony/Operation list

2.7 Description of each menu (1/6)

Export menu

All the menus are displayed in a list.

Users can select the required menus and export them.

The screenshot displays the 'Export' menu configuration interface. On the left is a sidebar with a 'Menu' icon and a list of menu categories: 'Main menu', 'Export menu', 'Import menu', 'Export/Import menu list', 'Export Symphony/Operation', 'Import Symphony/Operation', and 'Export/Import Symphony/Operation list'. The main area has a header 'Export' with a 'Close' button. Below the header, there is a section titled 'All menus' with a checkbox. The main content area contains several sections, each with a title and a list of menu items, each with a checkbox:

- Basic server settings (for host groups)**
 - ☒ Menu_A
- Datasheet for pulldown selection**
 - ☒ Time zone list
- Sample Menu**
 - ☒ Menu_A
- Management Console**
 - ☒ System settings
 - ☒ Role list
 - ☒ Operation delete list
 - ☒ Single-sign-on Basic Preference
 - ☒ IP address filter list
 - ☒ User list
 - ☒ File delete list
 - ☒ Single-sign-on Attribute Preference
 - ☒ Menu group list
 - ☒ Role/Menu link list
 - ☒ AD group judgement
 - ☒ Menu list
 - ☒ Role/User link list
- Basic Console**
 - ☒ Device list
 - ☒ Input operation list
 - ☒ Associated menu
 - ☒ Movement list
 - ☒ Associated menu table list
 - ☒ Associated menu column list
- Symphony**
 - ☒ movement associated with Symphony

At the bottom, there is a red box around the 'Export' button. Two callout boxes provide instructions: 'Select the menus to be exported with the check box.' and 'Click "Export" to execute.'

2.7 Description of each menu (2/6)

Import menu

Upload the exported data in the "Export menu " and import the required menus.

The screenshot shows the 'Export/Import' interface of the Exastro IT Automation system. The interface is divided into a left sidebar menu and a main content area. The sidebar menu includes 'Menu', 'Main menu', 'Export menu', 'Import menu', 'Export/Import menu list', 'Export Symphony/Operation', 'Import Symphony/Operation', 'Export/Import Symphony/Operation list', and 'Contact administrator'. The main content area has a top header with the Exastro logo, 'Export/Import' title, and user information (User name [System Administrator], Login ID [administrator], Change password, Logout). Below the header, there are two main sections: 'Upload' and 'Import'. The 'Upload' section has a 'Choose File' button (no file selected) and an 'Upload' button. The 'Import' section has a list of menu items to be imported, organized into two categories: 'Management Console' and 'Basic Console'. Each category has a list of items with checkboxes. At the bottom of the 'Import' section, there are two buttons: 'Import' and 'Import (without discarded data)'. Annotations with arrows point to specific elements: 'Users can upload kym files.' points to the 'Upload' button; 'Select the menu you want to import with the check box.' points to the 'Management Console' section; 'Click here to execute the Import. Users can import excluded obsolete data.' points to the 'Import' button.

Exastro IT Automation Export/Import

User name [System Administrator]
Login ID [administrator]
[Change password](#) [Logout](#)

Menu

- Main menu
- Export menu
- Import menu**
- Export/Import menu list
- Export Symphony/Operation
- Import Symphony/Operation
- Export/Import Symphony/Operation list

Description [Open](#)

Upload [Close](#)

Choose File no file selected

[Upload](#)

Users can upload kym files.

Import

Select the menu you want to import with the check box.

☒ **All menus**

☒ **Management Console**

- ☒ System settings
- ☒ Role list
- ☒ Operation delete list
- ☒ IP address filter list
- ☒ User list
- ☒ File delete list
- ☒ Menu group list
- ☒ Role/Menu link list
- ☒ AD group judgement
- ☒ Menu list
- ☒ Role/User link list
- ☒ AD user judgement

☒ **Basic Console**

- ☒ OS type master
- ☒ Associated menu table list
- ☒ Symphony Interface information
- ☒ Device list
- ☒ Associated menu column list
- ☒ Symphony class List
- ☒ Associated menu
- ☒ Input operation list
- ☒ Regularly execution
- ☒ movement associated with Symphony list
- ☒ Movement list

[Import](#) [Import \(without discarded data\)](#)

Click here to execute the Import.
Users can import excluded obsolete data.

[Contact administrator](#)

2.7 Description of each menu (3/6)

Export/Import menu list

Check the information that can be executed Export/Import.

User can check the progress status of each operation and download moved data.

The screenshot shows the 'Export/Import menu list' interface. On the left is a sidebar menu with options: Main menu, Export menu, Import menu, Export/Import menu list (selected), Export Symphony/Operation, Import Symphony/Operation, and Export/Import Symphony/Operation list. The main area has a 'Description' header with a '▽Open' button and a 'Display filter' header with a '△Close' button. Below these are filter controls for 'Discard' (set to 'All records'), 'Execution No.' (with a search dropdown), 'Status' (with a search dropdown), 'Execution type' (with a search dropdown), 'Import type' (with a search dropdown), 'File name' (with a search dropdown), 'Last update date/time' (with a search dropdown), and 'Last updated by' (with a search dropdown). There are 'Filter' and 'Clear filter' buttons, and an 'Auto-filter' checkbox. Below the filters is a 'List' header with a '△Close' button. The list table has columns: Execution No., Status, Execution type, Import type, File name, Last update date/time, and Last updated by. Two rows are shown, both with 'Completed' status and 'export' type. The first row's file name is 'ita_exportdata_20201116112459.kym' and the second is 'ita_exportdata_20201117141833.kym'. Both were updated by 'Data portability procedure'. A 'Filter result count: 2' is shown at the bottom left. Annotations include a box pointing to the 'Status' column with the text 'Check the status here. The transition is in the order of "Not Executed" , "Executing" and "End".' and another box pointing to the file names with the text 'Users can check and download the exported/imported files.'

Discard	Execution No.	Status	Execution type	Import type	File name	Last update date/time	Last updated by
All records	~					~	
	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown		▼ Search from pulldown

Filter

Clear filter

☒ Auto-filter

Execution No.	Status	Execution type	Import type	File name	Last update date/time	Last updated by
	Completed	export		ita_exportdata_20201116112459.kym	2020/11/16 11:24:59	Data portability procedure
	Completed	export		ita_exportdata_20201117141833.kym	2020/11/17 14:18:34	Data portability procedure

Filter result count: 2

2.7 Description of each menu (4/6)

Export Symphony/Operation

All Symphonies and Operations are displayed in a list. Users can select the required items and export them.

Menu

Main menu

Export menu

Import menu

Export/Import menu list

Export Symphony/Operation

Import Symphony/Operation

Export/Import Symphony/Operation list

Description ▾Open

Symphony [Filter] ▾Open

Symphony [List] △Close

Select	Symphony class ID	Symphony name	Description	Remarks	Last update date/time	Last updated by
<input checked="" type="checkbox"/>	5	Symphony			2020/10/15 09:56:55	System Administrator
<input type="checkbox"/>	7	Symphony_A			2020/10/16 13:40:21	System Administrator
<input type="checkbox"/>	8	Symphony_B			2020/10/16 13:44:54	System Administrator
<input type="checkbox"/>	13	Test Symp 10/21			2020/10/21 09:44:24	System Administrator

Filter result count: 4

Operation [Filter] ▾Open

Operation [List] △Close

Select	No.	Operation ID	Operation name	Scheduled date for execution	Last execution date	Remarks	Last update date/time	Last updated by
<input checked="" type="checkbox"/>	1	1	Operation1	2020/08/27 16:15	2020/11/11 08:44		2020/11/11 08:44:45	Legacy execution procedure
<input type="checkbox"/>	2	2	Test Operation	2020/10/08 10:00	2020/10/23 16:21		2020/10/23 16:21:05	Legacy execution procedure
<input type="checkbox"/>	5	5	Operationtest	2020/10/23 09:28	2020/10/21 09:44	Operation test Joachim	2020/10/21 09:44:44	Legacy execution procedure
<input type="checkbox"/>	6	6	Basic settings all	2020/10/24 09:54		Test for Host group menu creation	2020/10/22 09:54:53	System Administrator
<input type="checkbox"/>	7	7	ope1	2020/11/10 14:00			2020/11/10 14:00:49	System Administrator
<input type="checkbox"/>	8	8	OP1	2020/11/17 14:00			2020/11/17 13:44:32	System Administrator

Filter result count: 6

Export

Select the export target with the check box.

Click to execute the Export.

2.7 Description of each menu (5/6)

Import Symphony/Operation

Users can upload the data exported in “Export Symphony/Operation” and import the required menus.

The screenshot displays the Exastro IT Automation 'Export/Import' interface. The top navigation bar includes the Exastro logo, the title 'Export/Import', and user information: 'User name [System Administrator]' and 'Login ID [administrator]', with 'Change password' and 'Logout' buttons. A left sidebar menu lists: 'Menu', 'Main menu', 'Export menu', 'Import menu', 'Export/Import menu list', 'Export Symphony/Operation', 'Import Symphony/Operation', and 'Export/Import Symphony/Operation list'. The main content area is divided into two sections: 'Upload' and 'Import'. The 'Upload' section has a 'Description' header with an 'Open' button, followed by an 'Upload' header with a 'Close' button. Below the 'Upload' header is a file selection area with a 'Choose File' button, the text 'no file selected', and an 'Upload' button. An annotation points to this area: 'Users can upload kym files.' The 'Import' section has an 'Import' header with a 'Close' button. Below it are two sections: 'All Operations' with a checked checkbox and '1:OP1', and 'All Symphonies' with a checked checkbox and '1:Example_Symphony'. An annotation points to the 'All Operations' section: 'Select the menu you want to import with the check box.' At the bottom of the 'Import' section is an 'Import' button, which is highlighted with a red box and an annotation: 'Click to execute the Import.'

2.7 Description of each menu (6/6)

Export/Import Symphony/Operation list

Check the information that can be executed Export/Import.

User can check the progress status of operation and download moved data.

Menu

Main menu

Export menu

Import menu

Export/Import menu list

Export Symphony/Operation

Import Symphony/Operation

Export/Import Symphony/Operation list

Description ▾Open

Display filter ▴Close

Discard	Execution No.	Status	Execution type	File name		Last update date/time	Last updated by
All records ▾	<input type="text"/> ~ <input type="text"/> ▼ Search from pulldown	<input type="text"/> ▼ Search from pulldown	<input type="text"/> ▼ Search from pulldown	<input type="text"/> ▼ Search from pulldown	<input type="text"/> ▼ Search from pulldown	<input type="text"/> ~ <input type="text"/> ▼ Search from pulldown	<input type="text"/> ▼ Search from pulldown

Filter Clear filter

☒ Auto-filter

List ▴Close

Check the status.
The transition is in the order of "Not Executed", "Executing" and "End".

Execution No.	Status	Execution type	File name	Remarks	Last update date/time	Last updated by
1	Completed	Export	ita_exportdata_20201117155147.kym2	SymphonyID:5 OperationID:1	2020/11/17 15:51:47	Data portability procedure
2	Completed	Export	ita_exportdata_20201117155259.kym2	SymphonyID:7 OperationID:2	2020/11/17 15:52:59	Data portability procedure

Filter result count: 2

Users can check and download the exported/imported files.

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