



# **IT Automation**

## **Export/Import**

### **【Tutorial】**

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

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## 2. Export/Import function

# 1.1 Introduction

## About this document

This document aims to explain the "Export/Import " Menu and its functions. Detailed specifications are described in the [User Instruction Manual](#)

The screenshot displays the Exastro IT Automation dashboard. The top navigation bar includes the Exastro logo, user information (User name [System Administrator], Login ID [administrator]), and links for Role, Change password, and Logout. The main menu on the left lists various tools and functions. The central area shows a grid of icons for different modules, with 'Export/Import' highlighted by a red box. The right side of the dashboard features three large circular gauges for Movement, Work status, and Work result, each with a corresponding table below it.

**Menu group**

- Management Con...
- Basic Console
- Export/Import**
- Symphony
- Conductor
- Create Menu
- Input
- Substitution value
- Reference
- Compare
- HostGroup mana...
- Ansible Common
- Ansible-Legacy
- Ansible-Pioneer
- Ansible-LegacyRole
- Cobbler
- Basic Server Setti...
- Basic Server Setti...
- Terraform
- CI/CD for IaC

**Movement**

Movement: 14 Total, 100 %

| Movement            | SUM |
|---------------------|-----|
| Ansible Legacy      | 14  |
| Ansible Pioneer     | 0   |
| Ansible Legacy Role | 0   |
| Terraform           | 0   |

**Work status**

Status: 0 Total

| Status                | CON | SYM | SUM |
|-----------------------|-----|-----|-----|
| Executing             | 0   | 0   | 0   |
| Unexecuted (schedule) | 0   | 0   | 0   |
| Unexecuted            | 0   | 0   | 0   |

**Work result**

Result: 0 Total

| Result                | CON | SYM | SUM |
|-----------------------|-----|-----|-----|
| Normal end            | 0   | 0   | 0   |
| Abnormal end          | 0   | 0   | 0   |
| Unexpected error      | 0   | 0   | 0   |
| Emergency stop        | 0   | 0   | 0   |
| Schedule cancellation | 0   | 0   | 0   |

**Work history**

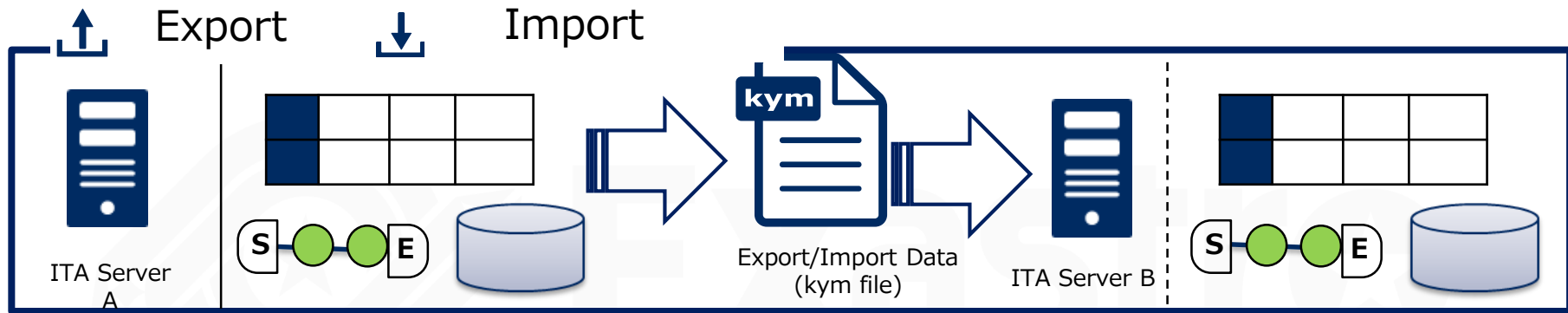
Graph showing work history over time (0 to 31).

## 2. Export/Import function

# 2.1 Overview

## Overview of Export/Import function

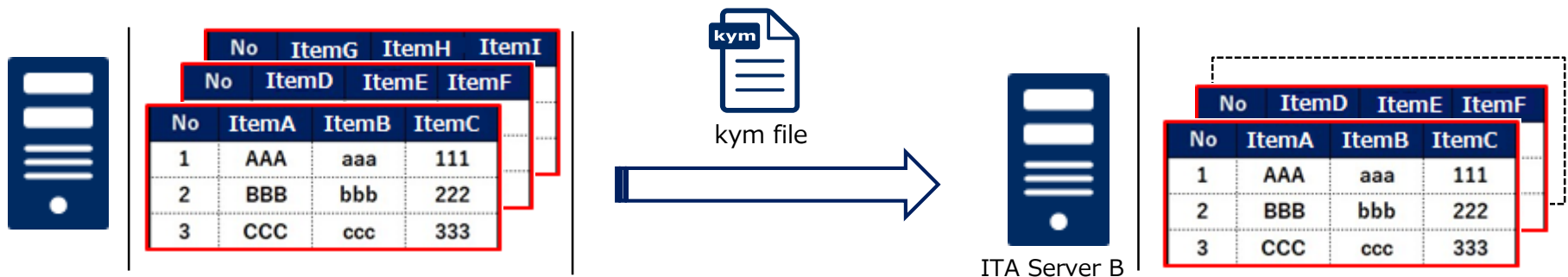
By using the "Export/Import" function, users can move Data registered in one ITA System (Parameter sheets, Conductor, Playbooks, etc) to a different ITA server.



Figure



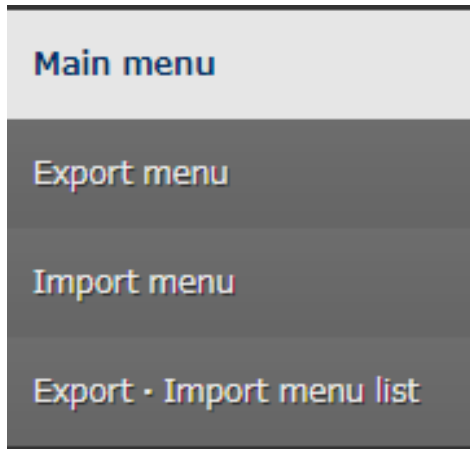
I want to move only the required menus from the test environment to the main environment (ITA Server B)



## 2.2 Menu overview

### Menu overview

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



- 
- - - - - Select and export Menus
  - - - - - Import files exported in "Export menu".
  - - - - - Check the Export/Import status and download the data.
-

## 2.4 Work flow

### Work flow

The export/import workflow is as follows.

The practice document goes through the operations in more detail.

#### 1. Export

Export menu

#### 2. Download kym file

Export/Import list

#### 3. Import

Import menu

#### 4. Check Import

Export/Import list



## 2.7 Menu Description (1/3)

### Export menu

All menus are displayed in a list and can be selected if the user wishes to export them. There are two types of modes. One that overwrites all the existing data and one where users can choose whether to insert or overwrite data based on unique menu items (ID,No, Etc) after a specified time has passed. "Abolition data" decides if you want to include abolished data or not when you import.

**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

**Description** ▽Open

**Export** △Close

Mode: ☒ Environment migration ☐ Time specification   
Abolition data: ☒ Normal ☐ Without disuse data

☐ **All menus**

**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
- ☐ AD user judgement

**Basic Console**

- ☐ Device list
- ☐ Operation list
- ☐ Associated menu
- ☐ Movement list
- ☐ Associated menu table list
- ☐ ER Diagram Menu List
- ☐ Associated menu column list
- ☐ ER Diagram Item List

**File control management**

- ☐ Interface information
- ☐ File link list (Terraform)
- ☐ Directory master
- ☐ File master
- ☐ File link list (Ansible)

**File control check-in/check-out**

**Contrast**

- ☐ Contrast list

**Export**

Select the menus to be exported with the check box.

Click "Export" to execute.

## 2.7 Menu Description (2/3)

### Import menu

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

The screenshot displays the 'Export/Import' interface of the Exastro IT Automation system. The interface is divided into a left sidebar and a main content area. The sidebar contains a 'Menu' section with options: 'Main menu', 'Export menu', 'Import menu' (highlighted), and 'Export - Import menu list'. The main content area has a top bar with the 'Exastro IT Automation' logo and the title 'Export/Import'. In the top right corner, user information is shown: 'User name [System Administrator]' and 'Login ID [administrator]', with 'Change password' and 'Logout' buttons. The main content area is split into two tabs: 'Description' and 'Upload'. The 'Upload' tab is active and contains a 'Choose File' button (labeled 'No file chosen') and an 'Upload' button. A red box highlights these two buttons, with a callout box stating 'Use these buttons to upload kym files'. Below the 'Upload' tab is the 'Import' section. It includes a 'Mode' dropdown set to 'Environment migration', and radio buttons for 'Time specification' and 'Without disuse data'. There are also checkboxes for 'All menus' (checked), 'Management Console', 'System settings', 'IP address filter list', 'Menu group list', 'Menu list', 'Contrast list', and 'Contrast details'. A red box highlights the 'Import' button at the bottom of the 'Import' section, with a callout box stating 'Click here to start the Import.'.

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

Description ▽Open

Upload △Close

Choose File No file chosen

Upload

Use these buttons to upload kym files

Import

Mode ☐ Environment migration ☐ Time specification   
☐ Abolition data ☐ Normal ☐ Without disuse data

☒ All menus

☒ Management Console

☒ System settings ☒ IP address filter list ☒ Menu group list ☒ Menu list

☒ Contrast list ☒ Contrast details

Import

Click here to start the Import.

## 2.7 Menu Description (3/3)

### 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: 'Menu', 'Main menu', 'Export menu', 'Import menu', and 'Export · Import menu list' (which is selected). The main area has a 'Description' header with a '▽Open' button and a 'Display filter' header with a '△Close' button. Below these is a filter section with fields for 'Discard' (a dropdown set to 'Exclude discarded records'), 'Execution No.' (with a range selector and a 'Search from pulldown' button), 'Status' (with a 'Search from pulldown' button), 'Execution type' (with a 'Search from pulldown' button), 'Mode' (with a 'Search from pulldown' button), 'Abolition' (with a 'Search from' button), 'Last update date/time' (with a range selector and a 'Search from pulldown' button), and 'Last updated by' (with a 'Search from pulldown' button). There are 'Filter' and 'Clear Filter' buttons, and an 'Auto-filter' checkbox which is checked. Below the filter section is a 'List' header with a '△Close' button. The list is a table with columns: 'History', 'Execution No.', 'Status', 'Execution type', 'Mode', 'Abolition data', 'Specified time', 'File name', 'Last update date/time', and 'Last updated by'. There are two rows of data, both with 'History' in the first column and 'Completed' in the 'Status' column. The 'Mode' and 'Abolition data' columns for both rows are 'Environment migration Normal'. The 'File name' column for both rows is 'ita\_exportdata\_20210622191424.kym'. The 'Last update date/time' for both rows is '2021/06/22 19:14:24'. The 'Last updated by' for both rows is 'Data portability procedure'. Below the table is a 'Filter result count: 2' label. At the bottom is a 'Trace history' header with a '▽Open' button. Three callout boxes with arrows point to specific elements: the first points to the 'Status' column header with the text 'Check the status here. It will go from "Not Executed" to "Executing" and lastly "Completed".'; the second points to the 'Mode' and 'Abolition data' columns with the text 'See here for mode and Abolition data status'; the third points to the 'File name' column with the text 'Check/Download the export/import file here'.

Menu

- Main menu
- Export menu
- Import menu
- Export · Import menu list

Description ▽Open

Display filter △Close

Discard: Exclude discarded records ▾

Execution No.: ~ ▾ Search from pulldown

Status: ▾ Search from pulldown

Execution type: ▾ Search from pulldown

Mode: ▾ Search from pulldown

Abolition: ▾ Search from

Last update date/time: ~ ▾ Search from pulldown

Last updated by: ▾ Search from pulldown

Filter Clear Filter

Auto-filter ☒

List △Close

| History | Execution No. | Status    | Execution type | Mode                  | Abolition data | Specified time | File name                         | Last update date/time | Last updated by            |
|---------|---------------|-----------|----------------|-----------------------|----------------|----------------|-----------------------------------|-----------------------|----------------------------|
| History | 1             | Completed | Export         | Environment migration | Normal         |                | ita_exportdata_20210622191424.kym | 2021/06/22 19:14:24   | Data portability procedure |
| History | 2             | Completed | Export         | Environment migration | Normal         |                | ita_exportdata_20210622191424.kym | 2021/06/22 19:14:24   | Data portability procedure |

Filter result count: 2

Trace history ▽Open

Check the status here.  
It will go from "Not Executed" to "Executing" and lastly "Completed".

See here for mode and  
Abolition data status

Check/Download the  
export/import file here

## 2.5 Mode overview (1/3)

### Mode overview

The Menu export functions comes with 2 modes.

Export

Mode



Environment migration



Time specification

Abolition data



All records



Exclude discarded records

#### ① Environment migration

Exports all data from the user-selected menus.

#### ② Time specification

Exports only data edited/registered after the specified time.

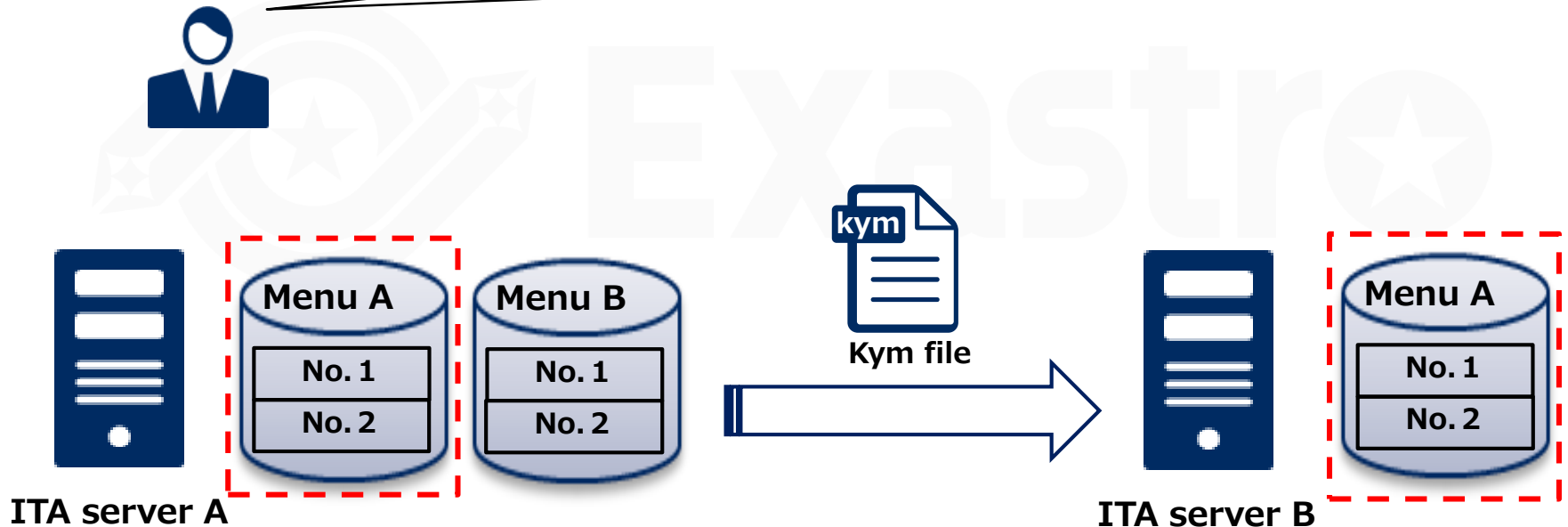
## 2.5 Mode overview (2/3)

### ● Environment migration

The “Environment migration” allows users to export all registered data from the menus specified by the user. Using this function will overwrite the entirety of specified menus.

Example

I need to move **Menu A** from the test environment, “ITA Server A”, to the production environment, ITA Server B”



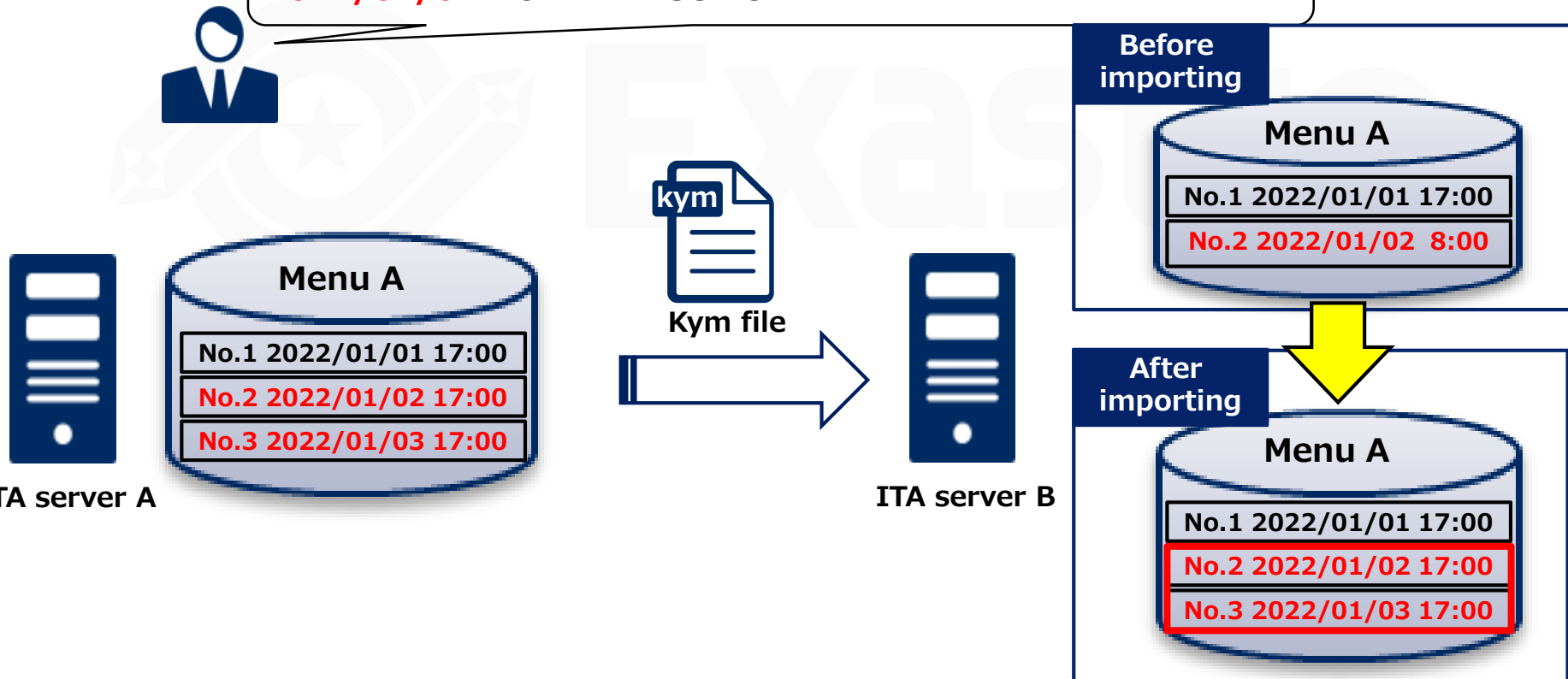
## 2.5 Mode overview (3/3)

### ● Time specification

The "Time specification" mode lets users export data that has only been registered/edited after the specified time. If data and unique items (ID, No, etc.) overlaps with existing data, the exported data will be prioritized and overwrite the old data when imported.

Example

I need to move after the move data from before  
**2022/01/02** from "ITA Server B"



### 3. Excel bulk import/export function

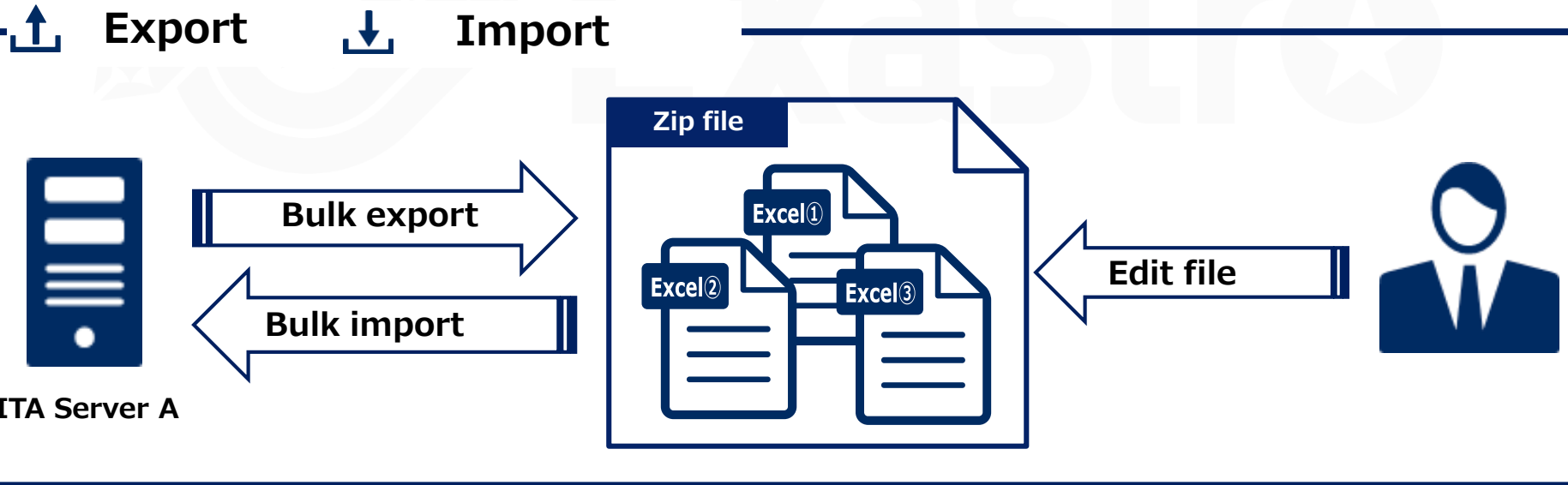
## 3.1 Overview

### Excel bulk export/import function overview

The Excel Bulk export/import function allows users to download and upload multiple files from/to menus.

※users can press the “Excel output” button in the “Display/List” in menus in order to download bigger amount of data registered to ITA.

Users can then change the contents of the excel files and then upload them collectively to the menus.





## 3.2 Menu overview

### Menu overview

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



---

----- Select and export menus

----- Imports edited excel files in bulks.

----- Check the Export/Import status and download the data.

---

## 3.3 Work flow

### Work flow

The Excel bulk export/import workflow is as follows.

The practice document goes through the operations in more detail.

#### 1. Export

Excel bulk export



#### 2. Download zip file

Excel bulk export/Import list



#### 3. Extract files, edit contents and save the file.



#### 4. Import

Excel bulk import



#### 5. Check import status

Excel bulk import/Import list

## 3.4 Menu description(1/4)

### Excel bulk export

The available menus are displayed and users can select the menus they want to export. Users can choose if they want to include or exclude deleted information when importing.

The screenshot displays the 'Export/Import' interface of Exastro IT Automation. The top header shows the user name 'System Administrator' and login ID 'administrator', with buttons for 'Change password' and 'Logout'. The sidebar menu on the left includes 'Menu', 'Main menu', 'Export menu', 'Import menu', 'Export - Import menu list', 'Excel Bulk Export', 'Excel Bulk Import', and 'Excel Bulk Export - Import list'. The main content area is titled 'Export/Import' and features a 'Description' section with a '▽Open' button and an 'Export' section with a '△Close' button. Below these are radio buttons for 'Abolition data', 'All records', 'Exclude discarded record' (selected), and 'Only discarded records'. The 'All menus' section is expanded, showing three categories: 'Management Console', 'Basic Console', and 'Create Menu'. Each category contains a list of items with checkboxes. A callout box points to the 'Management Console' section with the text 'Select what menus to export'. Another callout box points to the 'Export' button with the text 'Press "Export" to export.'.

**Management Console**

- ☐ System settings
- ☐ User list
- ☐ Single-sign-on Basic Preference
- ☐ Menu group list
- ☐ Role - Menu link list
- ☐ Single-sign-on Attribute Preference
- ☐ Menu list
- ☐ Role - User link list
- ☐ Role list
- ☐ File delete list

**Basic Console**

- ☐ Device list
- ☐ ER Diagram Item List
- ☐ Operation list
- ☐ Movement list
- ☐ ER Diagram Menu List

**Create Menu**

- ☐ Menu definition information
- ☐ Selection 2
- ☐ Menu creation history
- ☐ Reference Item

**CI/CD for IaC**

- ☐ Interface information
- ☐ File link

**Export**

## 3.4 Menu description(2/4)

### Excel bulk import

Upload the file downloaded from the "Excel bulk export" menu and select what menus to import.

The screenshot shows the 'Excel Bulk Import' interface. On the left is a sidebar menu with options: Menu, Main menu, Export menu, Import menu, Export - Import menu list, Excel Bulk Export, Excel Bulk Import, and Excel Bulk Export - Import list. The main area has two tabs: 'Description' and 'Upload'. The 'Upload' tab is active, showing a 'Choose File' button (highlighted with a red box), a 'No file chosen' status, and an 'Upload' button (highlighted with a blue box and labeled 'Upload Zip file'). Below this is the 'Import' tab, which has a 'Select what menus to import.' annotation pointing to the 'All menus' checkbox. It contains a table with columns: Import target, Menu group, Menu, Menu Id, File name, and Error. The table lists six items for import, all with checked 'Import target' boxes. Below the table is an 'Import' button (highlighted with a red box and labeled 'Press "Import" to import.').

| Import target                       | Menu group        | Menu                  | Menu Id    | File name                               | Error |
|-------------------------------------|-------------------|-----------------------|------------|-----------------------------------------|-------|
| <input checked="" type="checkbox"/> | Management Con... | System settings       | 2100000202 | System settings_20211209172930.xlsx     |       |
| <input checked="" type="checkbox"/> | Management Con... | Menu group list       | 2100000204 | Menu_group_20211209172931.xlsx          |       |
| <input checked="" type="checkbox"/> | Management Con... | Menu list             | 2100000205 | Menu_20211209172933.xlsx                |       |
| <input checked="" type="checkbox"/> | Management Con... | Role list             | 2100000207 | Role_20211209172935.xlsx                |       |
| <input checked="" type="checkbox"/> | Management Con... | User list             | 2100000208 | User_20211209172936.xlsx                |       |
| <input checked="" type="checkbox"/> | Management Con... | Role - Menu link list | 2100000209 | Role_menu link list_20211209172937.xlsx |       |

| Import target                       | Menu group | Menu                   | Menu Id    | File name                                  | Error |
|-------------------------------------|------------|------------------------|------------|--------------------------------------------|-------|
| <input checked="" type="checkbox"/> | Input      | SSL certificate        | 0000000010 | SSL certificate_20211209173006.xlsx        |       |
| <input checked="" type="checkbox"/> | Input      | Private IP(Data sheet) | 0000000014 | Private IP(Data sheet)_20211209173007.xlsx |       |
| <input checked="" type="checkbox"/> | Input      | OS information         | 0000000004 | OS information_20211209173008.xlsx         |       |

# 3.4 Menu description(3/4)

## Excel bulk export/import list

Download and extract files and edit them.

Export - Import menu list

Excel Bulk Export

2100011611\_Substitution value

2100011612\_Reference

2100011701\_HostGroup management

2100020000\_Ansible Common

2100020001\_Ansible-Legacy

2100020002\_Ansible-Pioneer

2100020003\_Ansible-LegacyRole

2100030001\_Cobbler

2100080001\_Terraform

2100090001\_Conductor

2100100001\_Symphony

2100110001\_Compare

2100120001\_CI\_CD for IaC

MENU\_LIST.txt

| History | Execution No. | ope | Abolition data            | Execution user | File name                    | Result file |
|---------|---------------|-----|---------------------------|----------------|------------------------------|-------------|
| History | 1             |     | Exclude discarded records | administrator  | ITA FILES_20210906163722.zip | 2           |
| History | 2             |     | Exclude discarded records | administrator  |                              | 2           |

Result count: 2

| tion process type | Discard                                               | Item No.                                                                         | ID                                                                                                                                                                | Item name                                                                                                                 | Setting value                                                                                                               |
|-------------------|-------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                   | *                                                     |                                                                                  |                                                                                                                                                                   |                                                                                                                           |                                                                                                                             |
|                   | *                                                     |                                                                                  |                                                                                                                                                                   |                                                                                                                           |                                                                                                                             |
|                   | *                                                     |                                                                                  |                                                                                                                                                                   |                                                                                                                           |                                                                                                                             |
|                   | NG                                                    | NG                                                                               | NG                                                                                                                                                                | OK                                                                                                                        | OK                                                                                                                          |
| rocessing type.   | Discard flag. Cannot do operation other than restore. | Cannot edit because of auto-numbering. Must be blank when execution process type | Multiple lines of character string are not allowed, character count is 1 to 32 bytes, tab and line break cannot be entered, required item, duplication with other | Multiple lines of character string is allowed (not recommended), character count is 0 to 64 bytes, tabs cannot be entered | Multiple lines of character string is allowed (not recommended), character count is 1 to 1024 bytes, tabs cannot be entered |
| tion process type | Discard                                               | Item No.                                                                         | ID                                                                                                                                                                | Item name                                                                                                                 | Setting value                                                                                                               |
| -                 |                                                       | 2100000001                                                                       | IP_FILTER                                                                                                                                                         | IP address restrictions                                                                                                   |                                                                                                                             |
| -                 |                                                       | 2100000002                                                                       | FORBIDDEN_UPLOAD                                                                                                                                                  | Upload prohibition extension                                                                                              | .exe;.com;.php;.cgi;.sh;.sql;.vbs;.js;.pl;.ini;.htaccess                                                                    |
| -                 |                                                       | 2100000003                                                                       | PWL_EXPIRY                                                                                                                                                        | Account lock duration (seconds)                                                                                           | 0                                                                                                                           |
| -                 |                                                       | 2100000004                                                                       | PWL_THRESHOLD                                                                                                                                                     | Password error threshold (frequency)                                                                                      |                                                                                                                             |
| -                 |                                                       | 2100000005                                                                       | PWL_COUNT_MAX                                                                                                                                                     | Password error count upper limit (frequency)                                                                              | 5                                                                                                                           |
| -                 |                                                       |                                                                                  | E_FORBID                                                                                                                                                          | Password re-registration prevention period (days)                                                                         | 180                                                                                                                         |
| -                 |                                                       |                                                                                  | D_EXPIRY                                                                                                                                                          | Password validity period (days)                                                                                           | 0                                                                                                                           |

Download and extract files

Exported/Imported content (File folder)

Use this field to edit the files

Point

The "MENU\_LIST.txt" file contains the file names of the menus when exported. When importing, the files written in the "MENU\_LIST.txt" file are imported starting from the top of the list. See the User manual for more information.

## 3.4 Menu description(4/4)

### Excel bulk export/import list

This menu allows users to see the information for previous excel bulk exports/imports.

Users can also see the progress status for the operations and download their respective data.

The screenshot displays the 'Export/Import' interface of Exastro IT Automation. The left sidebar shows the 'Menu' with 'Excel Bulk Export · Import list' selected. The main area has a 'Description' and 'Display filter' section, followed by a table with columns: Discard, Execution No., Status, Execution type, Abolition data, Execution user, File name, Result file, and Last update date/time. Below the table are 'Filter' and 'Auto-filter' buttons. The 'List' section shows a table with columns: History, Execution No., Status, Execution type, Abolition data, Execution user, File name, Result file, Last update date/time, and Last updated by. The table contains four rows of data, all with a status of 'Completed'. Callouts point to specific elements: 'Displays the status of the operation. The operation will go through the following statuses: "Not executed", "Executing", "Finished".' points to the 'Status' column; 'Check/Download exported/imported files.' points to the 'File name' column; 'Check the result of previous exports/imports.' points to the 'Result file' column; and 'Check the execution user and if the operation includes/excludes abolished information' points to the 'Execution user' and 'Abolition data' columns.

**Exastro IT Automation Export/Import**

**Menu**

- Main menu
- Export menu
- Import menu
- Export · Import menu list
- Excel Bulk Export
- Excel Bulk Import
- Excel Bulk Export · Import list

**Description**

**Display filter**

| Discard                   | Execution No.        | Status               | Execution type       | Abolition data       | Execution user       | File name            | Result file          | Last update date/time |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Exclude discarded records | ~                    | ~                    | ~                    | ~                    | ~                    | ~                    | ~                    | ~                     |
| Filter                    | Search from pulldown | Search from pulldown | Search from pulldown | Search from pulldown | Search from pulldown | Search from pulldown | Search from pulldown | Search from pulldown  |

☒ Auto-filter

**List**

| History | Execution No. | Status    | Execution type | Abolition data            | Execution user | File name                    | Result file      | Last update date/time | Last updated by                         |
|---------|---------------|-----------|----------------|---------------------------|----------------|------------------------------|------------------|-----------------------|-----------------------------------------|
| History |               | Completed | export         | Exclude discarded records | administrator  | ITA FILES 20210906163722.zip |                  | 2021/09/06 16:37:14   | Excel Bulk Export/Import list procedure |
| History |               | Completed | export         | Exclude discarded records | administrator  | ITA FILES 20211209172708.zip |                  | 2021/12/09 17:24:58   | Excel Bulk Export/Import list procedure |
| History |               | Completed | export         | All records               | administrator  | ITA FILES 20211209173138.zip |                  | 2021/12/09 17:29:00   |                                         |
| History |               | Completed | export         |                           | administrator  | ITA FILES 20210906163722.zip | ResultData 4.log | 2021/12/09 17:29:00   |                                         |

Filter result count: 4

**Trace history**

Displays the status of the operation.  
The operation will go through the following statuses:  
"Not executed", "Executing", "Finished".

Check/Download exported/imported files.

Check the result of previous exports/imports.

Check the execution user and if the operation includes/excludes abolished information



**Exastro**