



IT Automation

Export/Import 【Tutorial】

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

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1. Introduction



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](#)

Exastro IT Automation User name [System Administrator] Login ID [administrator]

Role Change password Logout

Menu DASHBOARD Edit

Main menu

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

Time	Value
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
1	0

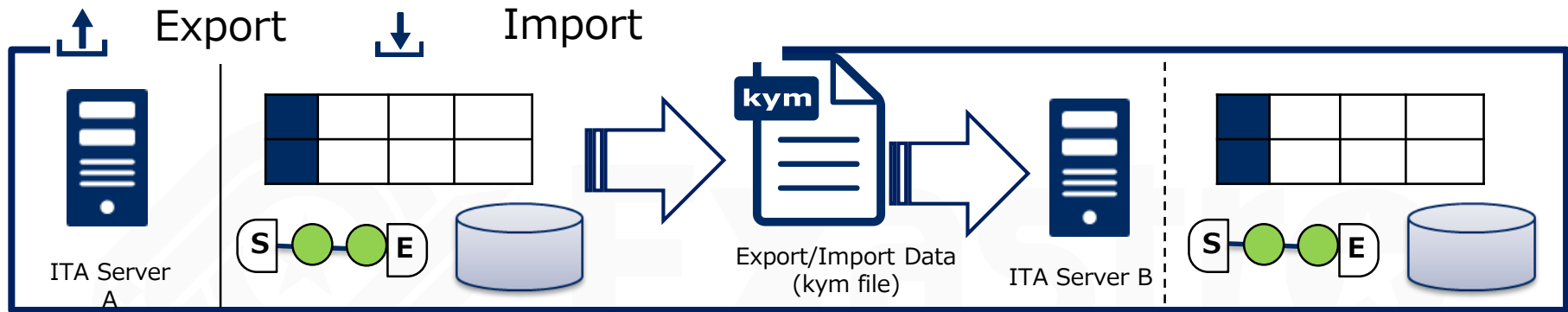
2. Export/Import function



2.1 Overview

Overview of Export/Import function

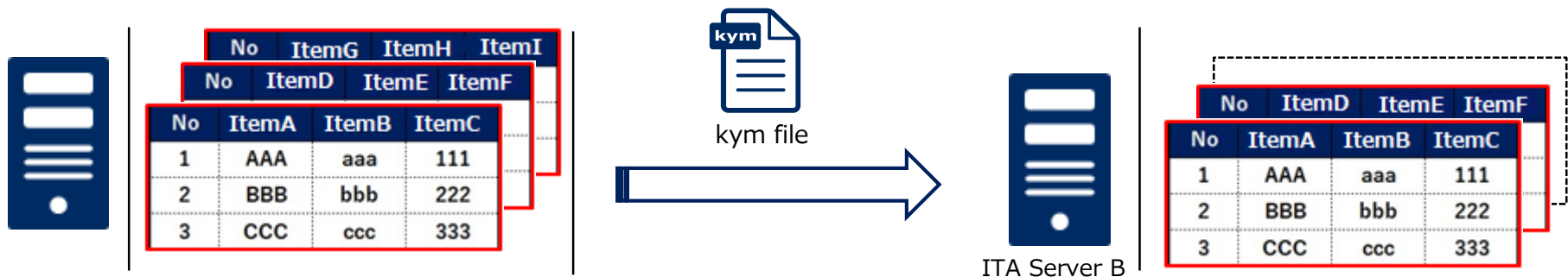
By using the "Export/Import" function, users can move Data registered in one ITA System (Parameter sheets, Conductor, Playbooks, etc) to a different ITA server.



Figure



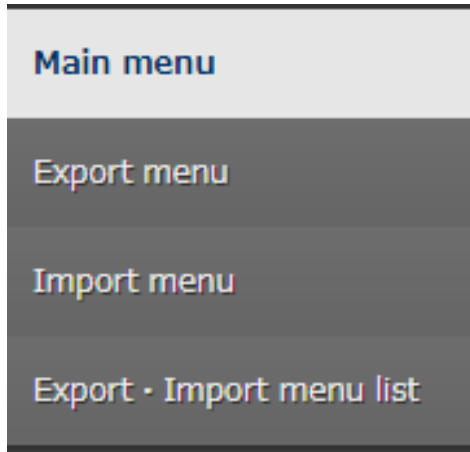
I want to move only the required menus from the test environment to the main environment (ITA Server B)



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.

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)

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 shows the 'Export/Import' interface in Exastro IT Automation. The top navigation bar includes the Exastro logo, the title 'Export/Import', and user information: 'User name [System Administrator]' and 'Login ID [administrator]'. There are 'Change password' and 'Logout' buttons. A left sidebar menu lists 'Menu', 'Main menu', 'Export menu', 'Import menu', and 'Export - Import menu list'. The main content area is divided into two sections: 'Upload' and 'Import'. The 'Upload' section has a 'Choose File' button (highlighted with a red box) and an 'Upload' button (highlighted with a blue box). A callout box points to these buttons with the text: 'Use these buttons to upload kym files'. The 'Import' section has a 'Mode' dropdown set to 'Environment migration', 'Abolition data' set to 'Normal', and a 'Time specification' input field. Below these are radio buttons for 'Without disuse data'. A list of menu items is shown with checkboxes: 'All menus' (checked), 'Management Console' (checked), 'System settings', 'IP address filter list', 'Menu group list', 'Menu list', 'Contrast list', and 'Contrast details'. A callout box points to the 'Menu group list' checkbox with the text: 'Select the menu you want to import by marking menu's check box.' At the bottom of the 'Import' section, an 'Import' button is highlighted with a red box, and a callout box points to it with the text: '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. It includes a sidebar menu, a filter section, a table of execution history, and a trace history section. Callouts provide instructions on how to interpret the data in the table.

Filter Section:

- 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 pulldown
- Last update date/time: Search from pulldown
- Last updated by: Search from pulldown

Table:

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		

Filter result count: 2

Callouts:

- Check the status here. It will go from "Not Executed" to "Executing" and lastly "Completed".** (Points to the Status column)
- Check/Download the export/import file here** (Points to the File name column)
- See here for mode and Abolition data status** (Points to the Mode and Abolition data columns)

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.

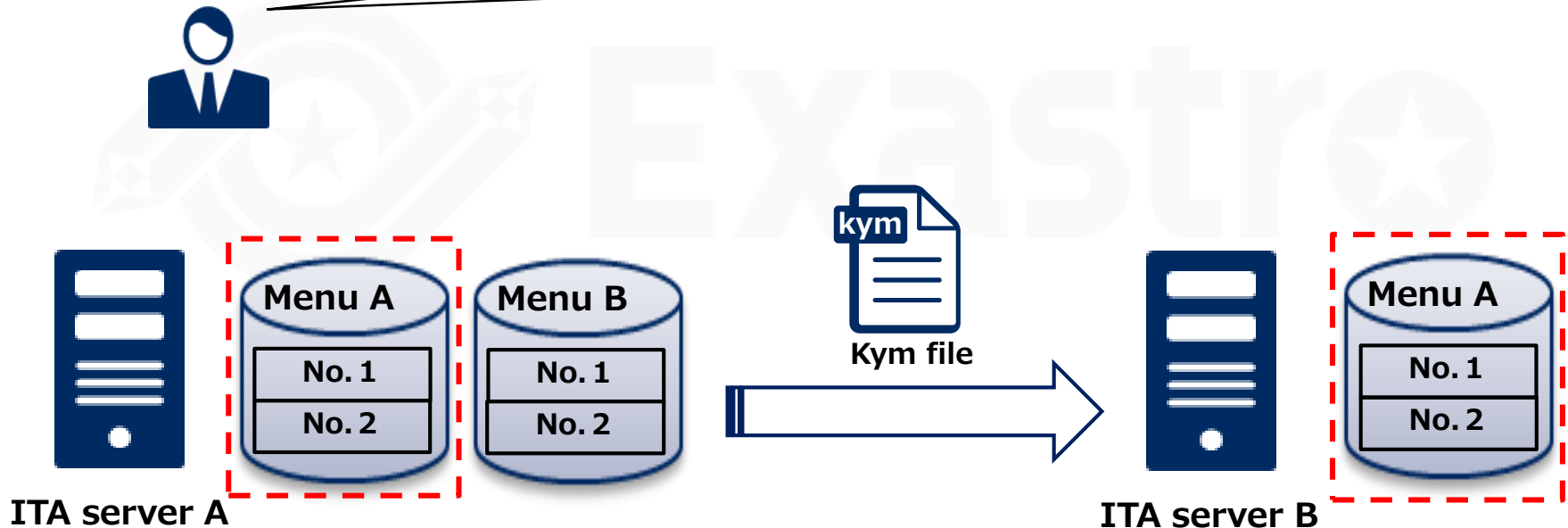
2.5 Mode overview (2/3)

● 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”



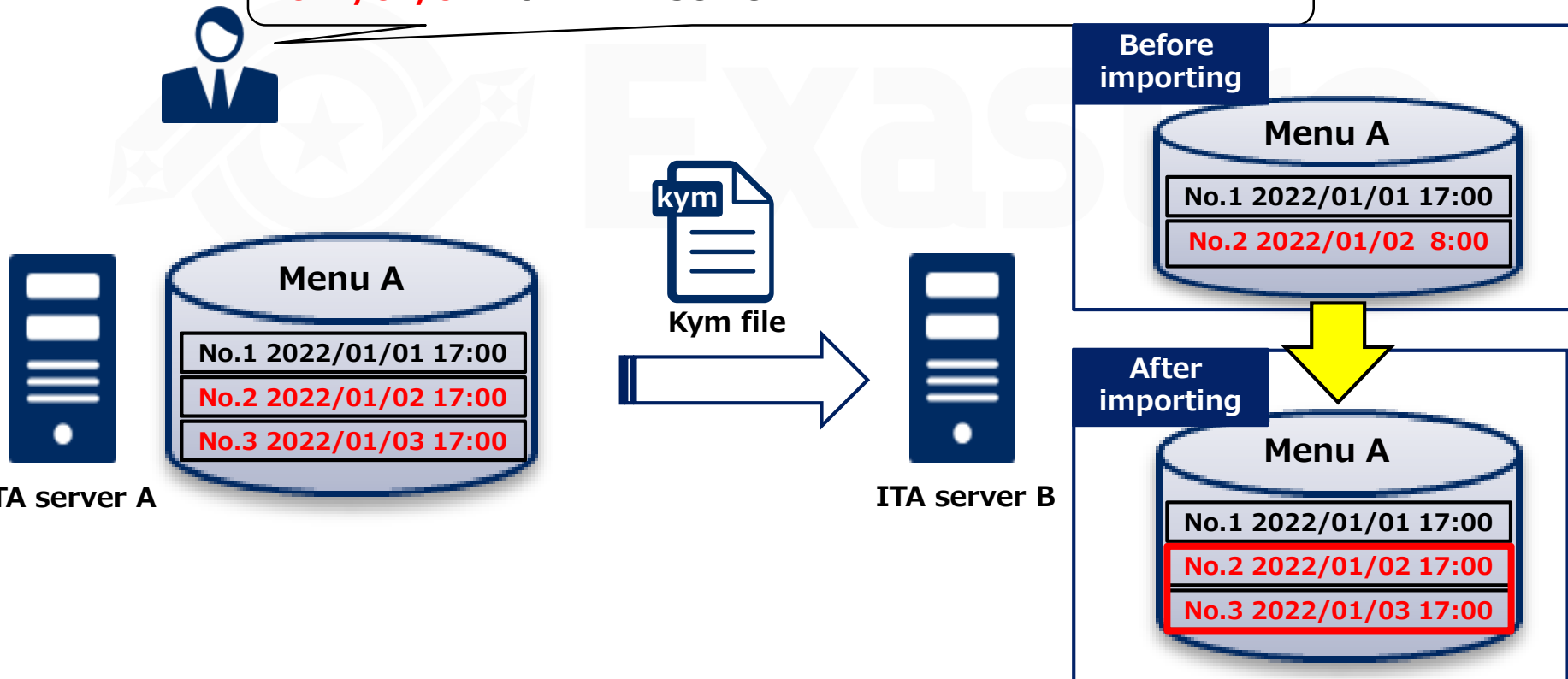
2.5 Mode overview (3/3)

● 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.

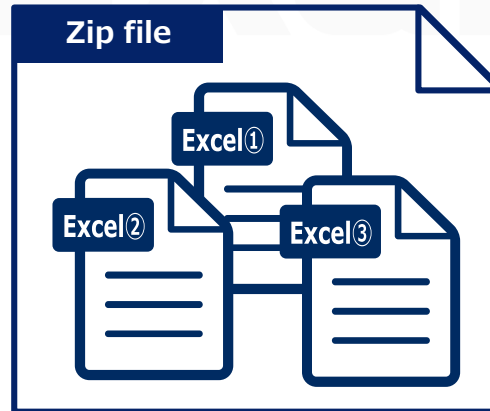
※users can press the “Excel output” button in the “Display/List” in menus in order to download bigger amount of data registered to ITA.

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

 **Export**  **Import**



ITA Server A



3.2 Menu overview

Menu overview

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

Excel Bulk Export	-----	Select and export menus
Excel Bulk Import	-----	Imports edited excel files in bulks.
Excel Bulk Export - Import list	-----	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 for Exastro IT Automation. The top navigation bar includes the Exastro logo, the title 'Export/Import', and user information: 'User name [System Administrator]', 'Login ID [administrator]', and buttons for 'Change password' and 'Logout'. A left sidebar menu lists options like 'Menu', 'Main menu', 'Export menu', 'Import menu', and 'Excel Bulk Export'. The main content area is titled 'Export' 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' (which is selected), and 'Only discarded records'. The 'Excel Bulk Export' section is expanded, showing a tree of menu categories: 'All menus', 'Management Console', 'Basic Console', 'Create Menu', and 'CI/CD for IaC'. Each category contains a list of menu 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 at the bottom right with the text 'Press "Export" to 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 panels: 'Description' and 'Upload'. The 'Upload' panel contains a 'Choose File' button (highlighted with a red box), a 'No file chosen' message, and an 'Upload' button (highlighted with a blue box). A callout box points to the 'Upload' button with the text 'Upload Zip file'. Below this is an 'Import' panel with a 'Select what menus to import.' callout box pointing to the 'All menus' checkbox. The 'Import' panel contains a table with columns: Import target, Menu group, Menu, Menu Id, File name, and Error. The table lists several menu items with their corresponding file names. At the bottom of the 'Import' panel is an 'Import' button (highlighted with a red box). A callout box points to this button with the text '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	

<input checked="" type="checkbox"/>	Input	SSL certificate	000000010	SSL certificate_20211209173006.xlsx	
<input checked="" type="checkbox"/>	Input	Private IP(Data sheet)	000000014	Private IP(Data sheet)_20211209173007.xlsx	
<input checked="" type="checkbox"/>	Input	OS information	000000004	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

History	Execution No.	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

Execution process type	Discard	Item No.	ID	Item name	Setting value
	x				
	x				
	x				
	x				
	NG	NG	NG	OK	OK
Execution process 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
Execution 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
-			FORBID	Password re-registration prevention period (days)	180
-			VALIDITY	Password validity period (days)	0

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.

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

Auto-filter

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

Check/Download exported/imported files.

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	IITA FILES_20210906163722.zip		2021/09/06 16:37:14	Excel Bulk Export/Import list procedure
History		Completed	export	Exclude discarded records	administrator	IITA FILES_20211209172708.zip		2021/12/09 17:24:58	Excel Bulk Export/Import list procedure
History		Completed	export	All records	administrator	IITA FILES_20211209173138.zip		2021/12/09 17:29	
History		Completed	export		administrator	4_IITA FILES_20210906163722.zip	ResultData_4.log	2021/12/09 17:29	

Filter result count: 4

Trace history

Check the result of previous exports/imports.

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



Exastro