



# ITA\_User instruction Manual

Basic Console

—Version 1.7 —

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※ 「Exastro IT Automation」 is written as 「ITA」 in this document.

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## Introduction

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This document explains the functions and operation methods of the ITA basic console.

## 1 Overview of ITA basic console

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This chapter explains the functions and operation methods of the basic console menu.

The basic console provides the following functions that are commonly required to perform work using ITA.

- Registration and management of device information

Refer to the 「First Step Guide」 for the position of the basic console in the ITA operation procedure.

## 2 ITA basic console menu screen configuration

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This chapter explains the menu and screen configuration of the ITA basic console.

### 2.1 ITA basic console menu list

The ITA common / basic console menu is shown below.

**Table 2.1-1 ITA screen list**

No	Menu Group	Menu / Screen	Description
1	ITA basic console	Device list	Users can maintain the list of managed systems (view / register / update / discard).
2		Input operation list	Users can maintain the operation list (view / register / update / discard).
3		Movement list	Users can view the list of registered movements.
4		ER Diagram	Displays the links between all menus and their referred data in an ER Diagram.

### 3 ITA basic console user instruction procedure

#### 3.1 Work flow

The standard workflow in the ITA basic console is as follows.

Details of each operation are described in next section.

Please refer to the details on how to register a Movement in the user instruction manual of each driver.

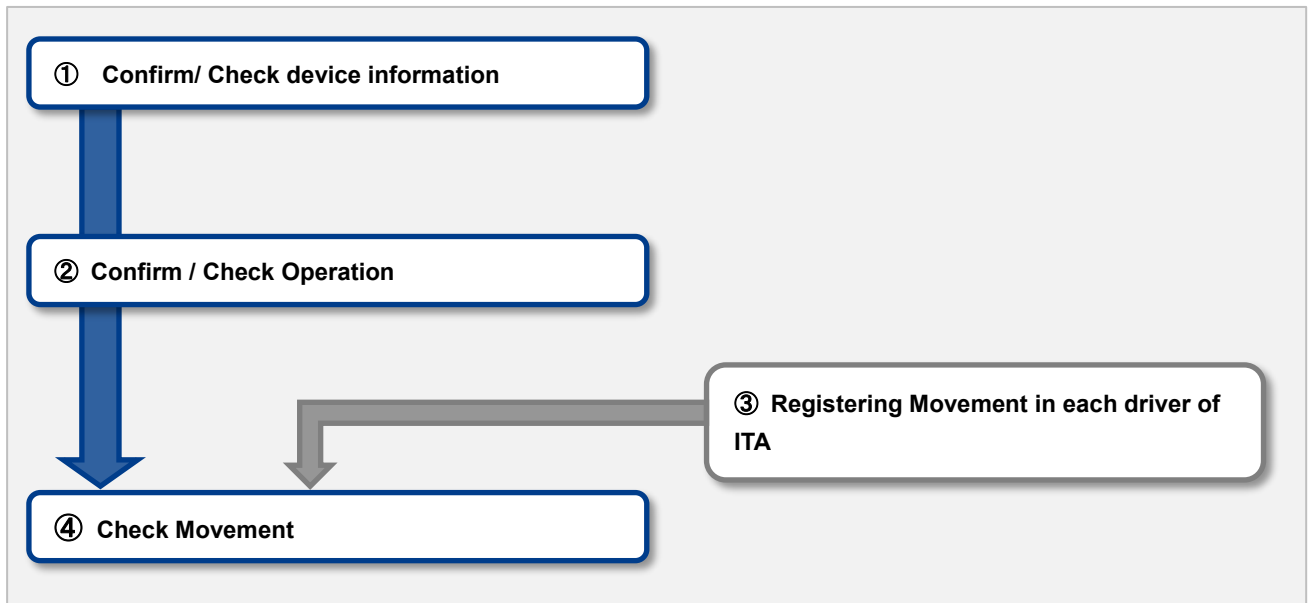


Figure 3.1-1 Work flow

## 4 Function and operation method description

### 4.1 ITA basic console

#### 4.1.1 Device list

- (1) On the [Device List] screen, information on the target host is managed.  
Please register the required information according to the server type before running each orchestrator.  
Also, if the server information has been changed when re-executing, change the server information in advance.

The screenshot shows the 'Basic Console' interface of Exastro IT Automation. The top navigation bar includes the Exastro logo, the title 'Basic Console', and user information: 'User name [System Administrator]', 'Login ID [administrator]', and buttons for 'Change password' and 'Logout'. A left sidebar menu is visible with options: 'Menu', 'Main menu', 'Device list' (highlighted with a red box), 'Input operation list', and 'Movement list'. The main content area displays the 'Device list' screen. It features a 'Description' section with a '▽Open' button and a 'Display filter' section with a '△Close' button. Below these are search filters for 'Discard', 'Managed system item number', 'HW device type', 'Host name', 'Last update date/time', and 'Last updated by'. Each filter has a search input field and a 'Search from pulldown' button. There are 'Filter' and 'Clear filter' buttons at the bottom of the filter section. An 'Auto-filter' checkbox is also present. At the bottom of the main content area, there are three buttons: 'List/Update' (with '▽Open'), 'Register' (with '▽Open'), and 'Download all and edit file uploads' (with '▽Open'). A 'Contact administrator' button is located at the bottom left of the interface.

Figure 4.1-1 Submenu screen (device list)

- (2) Click [Registration] - [Start Registration] button to register device information.

The screenshot shows the 'Registration' screen for device information. It features a table with the following columns: 'Managed system item number', 'HW device type', 'Host name\*', 'IP address\*', 'EtherWakeOnLan' (subdivided into 'MAC address' and 'Network device name'), 'Login user ID', 'Login password' (subdivided into 'Management' and 'Login password'). The 'Managed system item number' column has a dropdown menu with 'Auto-input' selected. The 'Host name\*' and 'IP address\*' columns have input fields. The 'MAC address' and 'Network device name' columns have input fields. The 'Login user ID' column has a dropdown menu. The 'Management' and 'Login password' columns have input fields. The table is currently empty of data rows.

Figure 4.1-2 Registration screen (device list-common items)



- (3) The list of common items on the registration screen is as follows.  
Please make sure to enter the target [Host name] and [IP address].  
※Registration is required if “Login password” is “●” for “Management”.

**Table 4.1-1 List of Registration Screen Items (Device List-Common Items)**

Item		Description	Input Required	Input type	Restrictions
Managed system item number		A unique ID that identifies the registration information is automatically entered.	-	Autofill	-
HW device type		Select the type of HW device	-	Manual input	Maximum length 128 bytes
Host name		Enter the host name	○	Manual input	-
IP address		Enter the IP address (xxx.xxx.xxx.xxx format).	○	Manual input	Maximum length 15 bytes
EtherWake OnLan	MAC address	Enter MAC address	-	Manual input	Maximum length 17 bytes
	Network device name	Enter the network device name	-	Manual input	Maximum length 256 bytes
Login user ID		Enter the user ID to log in.	-	Manual input	Maximum length 30 bytes
Login password	Management	Select 「●」to manage the password in ITA	-	List selection	-
	Login passwords	Specify a password	※	Manual input	Maximum length 30 bytes
ssh authentication key file		Enter the key file when performing key authentication by specifying the ssh authentication key file. Provide a key file that can be authenticated by the root user.	-	File selection	Maximum size 10K bytes
Remarks		Free description field	-	Manual input	-

- (4) In addition to the common items, information is registered when using each Driver/orchestrator.  
For details on each Driver, Please refer to the usage instruction for each driver.

① Ansible Dedicated information

**Figure 4.1-3 Registration Screen (Device List-Ansible)**

- Ansible Dedicated information is a required parameter for Ansible driver.
- For more details, please refer to “Usage Instruction\_Manual\_Ansible-driver”.

## 4.1.2 Associated menu

- (1) Register/Update/Discard the menu of CMDB that is associated by the substitution value auto registration setting in associated menu.

※This is an optional function that can be associate when the CMDB is customized. This function can't be used on default.

**Figure 4.1-4 Submenu screen (Associated menu)**

- (2) Click [Registration]-[Registration start] button to link/associate the menu.

Item No.	Menu group:Menu*	Remarks	Last update date/time	Last updated by
Auto-input	<input type="text"/>	<input type="text"/>	Auto-input	Auto-input

**Figure 4.1-5 Registration screen (linking/Associated menu)**

- (3) The list of items on the registration screen is as follows.

**Table 4.1-2 List of registration screen items (associated menu)**

item	Description	Input Required	Input Type	Restrictions
Menu group:Menu※2	The CMDB menu is displayed. Select the menu of CMDB to be associate with the substitution value automatic registration setting.	○	List selection	-
Remarks	Free description field	-	Manual input	Maximum length 4000 bytes

※2 Registration of CMDB menu group and menu is required

Please refer to [User Instruction Manual\_Management Console] for the registration of menu group and menu of CMDB.

### 4.1.3 Input operation list

- (1) In the [Input operation list] screen, the operations for the target host to be executed by the orchestrator are managed.

(Example) [Additional service construction work] etc.

Figure 4.1-6 Submenu screen (list of input operations)

- (2) Click [Registration]-[Registration start] button to register the operation information.

Figure 4.1-7 Registration Screen (List of Input Operations)

- (3) The list of items on the registration screen is as follows.

Table 4.1-3 List of registration screen items (input operation list)

item	Description	Input required	Input type	Restrictions
Operation name	Register desired operation name	○	Manual input	Maximum length 256 bytes
Scheduled date for executions	Enter the scheduled date and time of the operation. ※The process is not actually executed on the date specified here. ※The work history associated with the operation for which the scheduled execution date and time is set is automatically deleted after the specified reservation period.	○	Manual input	-
Operation ID	The system automatically inputs a unique ID that identifies the operation.	-	Autofill	-
Last execution date	Displays the actual date and time when the operation is selected for Symphony execution or each driver's work execution.	-	Display item	Blank is displayed for unexecuted operations.
Remarks	Free description field	-	Manual input	-

#### 4.1.4 Movement list

- (1) In the [Movement list] screen, you can see the association of the Movement with the orchestrator when using the orchestrator (for reference only).

For the actual registration of Movement, please refer to the instruction manual of each Driver and go to the console menu of the ITA driver of each orchestrator.

The screenshot displays the 'Exastro IT Automation Basic Console' interface. On the left, a sidebar menu lists 'Main menu', 'Device list', 'Associated menu', 'Input operation list', and 'Movement list' (which is highlighted with a red box). The main content area features a 'Description' bar with a '▽Open' button and a 'Display filter' bar with a '△Close' button. Below these is a table with the following columns: 'Discard' (containing 'Exclude discarded records'), 'Movement ID' (with a search field and '▽ Search from pulldown'), 'Movement Name' (with a search field and '▽ Search from pulldown'), 'Orchestrator' (with a search field and '▽ Search from pulldown'), 'Last update date/time' (with a search field and '▽ Search from pulldown'), and 'Last updated by' (with a search field and '▽ Search from pulldown'). Below the table are 'Filter' and 'Clear filter' buttons, and a 'Table setting' button. A checkbox for 'Auto-filter' is also present. Below the table, a message states 'Record does not exist.' At the bottom, there is a 'Download all' button with a '▽Open' icon and a 'Contact administrator' link.

Figure 4.1-8 Submenu screen (Movement list)

### 4.1.5 ER Diagram

- (1) In the “ER Diagram” screen, the link between all the menus and their referred data is displayed in an ER Diagram.

Only the menus that the user has permission to will be displayed.

- ① Print  
Prints the ER Diagram.
- ② Menu group select  
Select what menus to display.  
※The Management console is not selected when the menus are displayed.
- ③ Relation  
Display or hide ER Diagram relations.
- ④ The entire display  
Shows the whole display.
- ⑤ Display reset  
Resets the display.
- ⑥ Menu item list  
The filtered items of each menu.  
※ The “Remarks”, “Last updated by” and “Last updated date” will not be displayed.
- ⑦ Relation  
A one-way arrow is drawn between items with relation.

**Relation start**  **Relation destination**

※The following relations are not linked due to their large number and complexity

- Operation list -> Operation ID
- Operation list -> Operation name
- Device list -> Host name

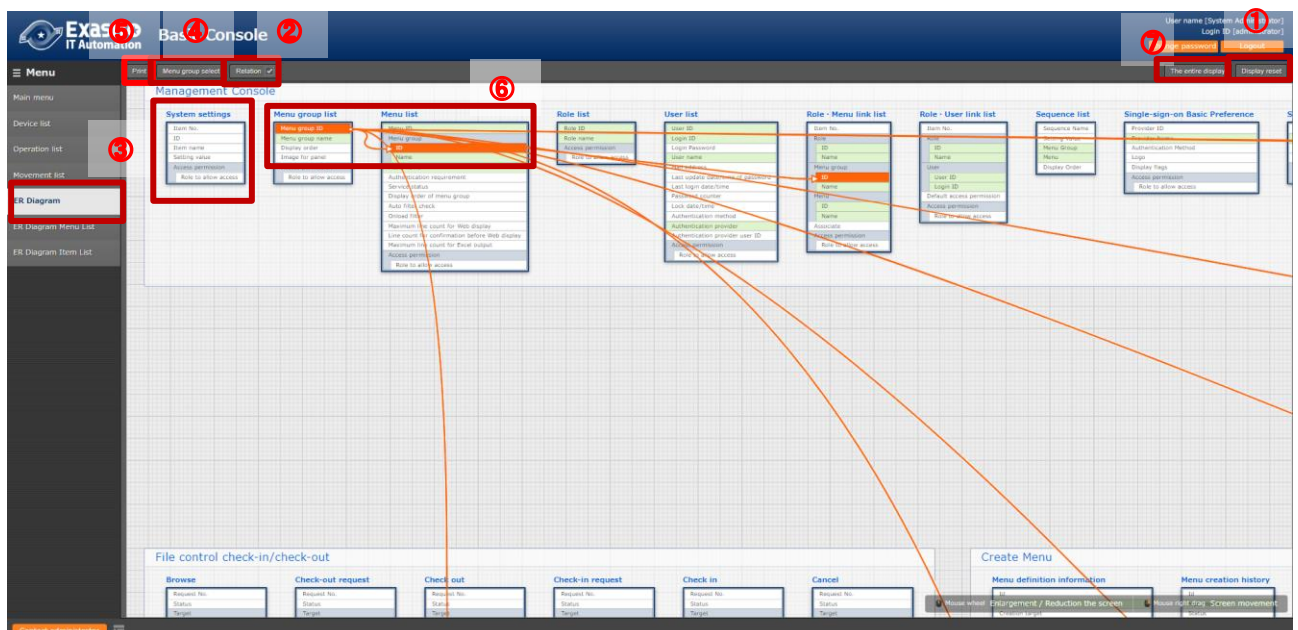


Figure 4-1 ER Diagram Display screen.



(2) Operation explanation

Operation	Action
Zoom in and out	Scroll with the mouse wheel to zoom in and out.
Move	Right-click and move the mouse to move the screen
Highlight/Un-highlight relation	Click an item with a relation
Highlight relation (temporary)	Hover the cursor over an item with a relation.

(3) ER Diagram creation

The ER Diagram is created when the following happens.

- A. When ITA is installed.
- B. When a Menu is created with the Menu creation function.
- C. When an kym file is imported with the “Menu import” menu.

#### 4.1.6 ER Diagram menu list.

- (1) In the "ER Diagram Menu list" menu, users can manage the menus and tables displayed in the ER Diagram, as well as their links.

By inputting Item data into the "ER Diagram Item list" after inputting data into this menus will display the respective table information in the ER Diagram.

While the most is done in BackYard if you want to change anything manually, please use this menu.

The data in the ER Diagram menu list has no history.

The data will be deleted when it gets regenerated, but only if it was not last updated by a user.

After installation, the "ER Diagram Menu List" is set to be hidden.

You can change this by regenerating it in the "Role/Menu link list" menu in the Management Console.

The screenshot shows the Exastro Basic Console interface. The sidebar on the left has a menu with options: Main menu, Device list, Operation list, Movement list, ER Diagram, **ER Diagram Menu List** (highlighted with a red box), and ER Diagram Item list. The top header displays the Exastro logo, 'Basic Console', and user information: 'User name [System Administrator]', 'Login ID [administrator]', 'Change password', and 'Logout'. The main content area is titled 'ER Diagram Menu List' and features a 'Description' section with a 'Display filter' button. Below this is a table with columns: Item No., Menu group, Menu, Table name, View name, Last update date/time, and Last updated by. The table contains 12 rows of data, each with an 'Update' and 'Discard' button. The 'Update' buttons are highlighted in orange.

Item No.	Menu group	Menu	Table name	View name	Last update date/time	Last updated by
1	2100000002 Management Console	2100000202 System settings	A_SYSTEM_CONFIG_LIST		2021/05/12 10:50:47	ER Diagram work procedure
2	2100000002 Management Console	2100000203 IP address filter list	A_PERMISSIONS_LIST		2021/05/12 10:50:47	ER Diagram work procedure
3	2100000002 Management Console	2100000204 Menu group list	A_MENU_GROUP_LIST		2021/05/12 10:50:47	ER Diagram work procedure
4	2100000002 Management Console	2100000205 Menu list	A_MENU_LIST	D_MENU_LIST	2021/05/12 10:50:47	ER Diagram work procedure
5	2100000002 Management Console	2100000207 Role list	A_ROLE_LIST		2021/05/12 10:50:47	ER Diagram work procedure
6	2100000002 Management Console	2100000208 User list	A_ACCOUNT_LIST	D_ACCOUNT_LIST	2021/05/12 10:50:47	ER Diagram work procedure
7	2100000002 Management Console	2100000209 Role - Menu link list	A_ROLE_MENU_LINK_LIST	D_ROLE_MENU_LINK_LIST	2021/05/12 10:50:47	ER Diagram work procedure
8	2100000002 Management Console	2100000210 Role - User link list	A_ROLE_ACCOUNT_LINK_LIST	D_ROLE_ACCOUNT_LINK_LIST	2021/05/12 10:50:47	ER Diagram work procedure
9	2100000002 Management Console	2100000214 Operation delete list	A_DEL_OPERATION_LIST		2021/05/12 10:50:47	ER Diagram work procedure
10	2100000002 Management Console	2100000215 File delete list	A_DEL_FILE_LIST		2021/05/12 10:50:47	ER Diagram work procedure
11	2100000002 Management Console	2100000216 Sequence list	D_SEQUENCE		2021/05/12 10:50:47	ER Diagram work procedure
12	2100000002 Management Console	2100000221 AD group Judgement	A_AD_GROUP_JUDGEMENT		2021/05/12 10:50:47	ER Diagram work procedure

Figure 4-2 Submenu screen (ER Diagram Menu List)

- (2) Press "Start Registration" in the "Register" submenu to register menu information that is going to be displayed in the ER Diagram.

Item No.	Menu group:Menu	Table name	View name	Access permission	Last update date/time	Last updated by
Auto-input				Setting Role to allow access	Auto-input	Auto-input

Figure 4-3 ER Diagram Menu list



- (3) The items in the Registration screen is as following

**Table 4.1-1 Registration screen item list(ER Diagram menu list)**

Item	Description	Input required	Input format	Restrictions
Menu group:Menu	All the menus are displayed. Select the menu you want the ER Diagram to display.	○	List selection	-
Table name	Register the table name that is going to be linked to the Menugroup:Menu	○	Manual input	Maximum length 256 bytes
View name	Register the view name that is going to be linked to the Menugroup:Menu	-	Manual input	Maximum length 256 bytes
Remarks	Free description field	-	Manual input	-

#### 4.1.7 ER Diagram Item list

- (1) In the "ER Diagram item list" screen, users can configure ER Diagram Item settings and the Menu items.

While the most is done in BackYard if you want to change anything manually, please use this menu.

The data in the ER Diagram menu list has no history.

The data will be deleted when it gets regenerated, but only if it was not last updated by a user.

After installation, the "ER Diagram Item List" is set to be hidden.

You can change this by regenerating it in the "Role/Menu link list" menu in the Management Console.

The screenshot shows the Exastro Basic Console interface. The sidebar menu on the left includes 'Menu', 'Main menu', 'Device list', 'Operation list', 'Movement list', 'ER Diagram', 'ER Diagram Menu List', and 'ER Diagram Item List' (which is highlighted with a red box). The main content area displays the 'ER Diagram Item List' screen. It features a 'Description' section, a 'Display filter' section with search dropdowns, and a table with columns: Update, Discard, Item No., Menu group (ID, Name), Menu (ID, Name), Display order, Item, Item type, Parent Item, Last update date/time, and Last updated by. The table lists 12 items, including system settings, IP address filter lists, and menu group lists. Each row has 'Update' and 'Discard' buttons. The bottom of the screen shows a 'Contact administrator' link.

**Figure 4-4 Submenu screen (ER Diagram Item list)**

- (2) Press "Start Registration" in the "Register" submenu to register menu information that is going to be displayed in the ER Diagram.

Item No.	Menu group:Menu*	Display order	Item*	Item type*	Parent Item	Phy	Last update date/time	Last updated by
Auto-Input	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Auto-Input	Auto-Input

Figure 4-5 ER Diagram Item list

(3) The items in the Registration screen is as following

**Table 4.1-2 Registration screen item list(ER Diagram Item list)**

Items	Description	Input required	Input format	Restrictions
Menu group:Menu	The menus configured in the "ER Diagram Menu list" is displayed. Select the menu you want the ER Diagram to display.	○	List Selection	-
Display order	Enter the display order of the menus in the ER Diagram.	-	Manual input	Numeric Value
Item	Input a name for the Item. Make sure that the name is unique for its menu.	○	Manual input	Maximum length 256 bytes
Item type	Select either Group or Item.	○	List selection	-
Parent Item	Input the group where the selected item belongs to. If it doesn't belong to any group, leave it blank.	-	Manual input	Maximum length 256 bytes
Physical name	Input the physical name of the item. This name is used when configuring related items.	-	Manual input	Maximum length 256 bytes
Logical name	Input the logical name of the item. This is the name that will be displayed in the ER Diagram.	○	Manual input	Maximum length 256 bytes
Related Table name	Input the name of the table that the linked item is going to belong to.	-	Manual input	Maximum length 256 bytes
Related Item	Input the physical name of the item that is going to be linked. It's not possible to link a relation if there is no physical name set.	-	Manual input	Maximum length 256 bytes
Remarks	Free description field	-	Manual input	-

## 5 Operation notes

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### 5.1 Routine deletion of operation work history

The function to delete the data associated with the scheduled date and time of the operation that is registered in the 「input operation list」 menu is available.

Please refer to 「User Instruction Manual\_Management Console」 for details.