



ITA_User instruction Manual

Basic Console

—Version 1.8 —

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

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Introduction

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

1 Overview of ITA basic console

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

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.

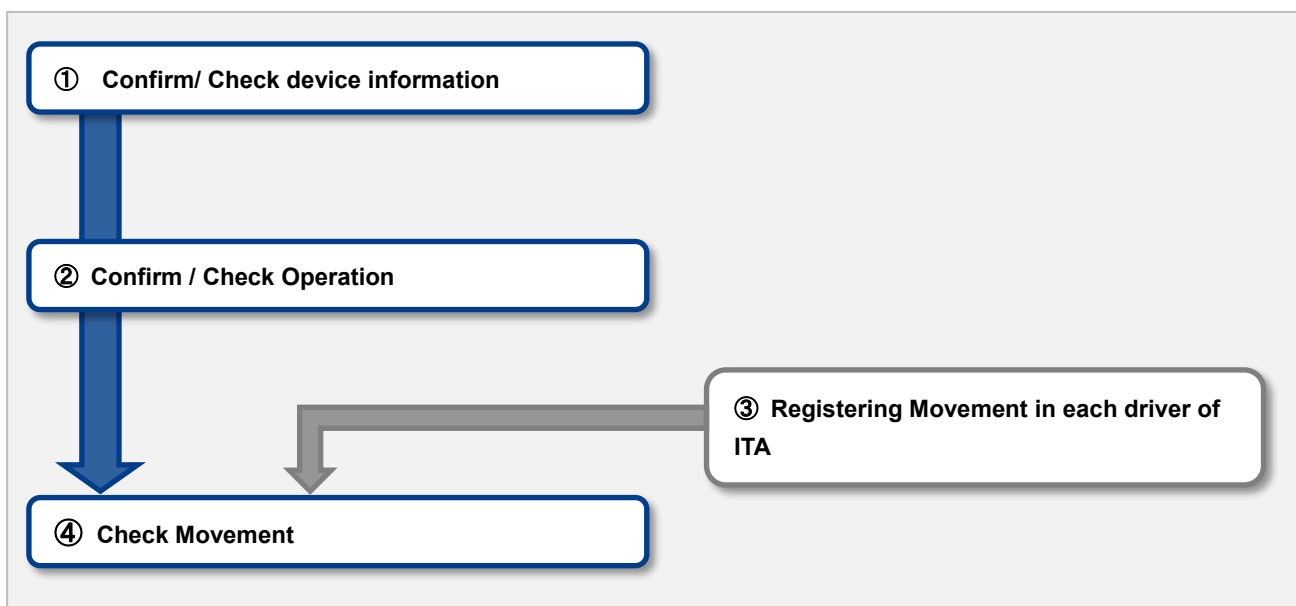


Figure 3.1-1 Work flow

4 Function and operation method description

4.1 ITA basic console

4.1.1 Device list

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

The screenshot displays the 'Basic Console' interface of Exastro IT Automation. On the left, a 'Menu' sidebar lists 'Main menu', 'Device list' (highlighted with a red box), 'Input operation list', and 'Movement list'. The main content area features a 'Description' section with an 'Open' button, a 'Display filter' section with a 'Close' button, and a table for managing device information. The table has columns for 'Discard', 'Managed system item number', 'HW device type', 'Host name', 'Last update date/time', and 'Last updated by'. Below the table are 'Filter' and 'Clear filter' buttons, and a checked 'Auto-filter' checkbox. At the bottom, there are buttons for 'List/Update', 'Register', and 'Download all and edit file uploads', each with an 'Open' button. A 'Contact administrator' button is located at the bottom left. The top right corner shows the user name 'System Administrator', login ID 'administrator', and 'Change password' and 'Logout' buttons.

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 columns for 'Managed system item number', 'HW device type', 'Host name*', 'IP address*', 'EtherWakeOnLan' (with sub-columns for 'MAC address' and 'Network device name'), 'Login user ID', 'Login password' (with sub-columns for 'Management' and 'Login password'), and 'Auto-input'. The 'Auto-input' column has a dropdown menu. The table is currently empty, with only the headers visible.

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	If the managed system item number exceeds 10,000,000, the host group function will not function properly. If you want to use the host group function, make sure that the managed system item number is lower than 10,000,000.
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
EtherWan keOnLan	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 size 128 bytes
ssh key credentials	SSH private 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	
	Passphrase	If there is a passphrase set to the ssh key file, make sure to input it here.			Maximum size 256 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

Ansible Dedicated Information							
Dedicated information for Legacy/Role			Pioneer Dedicated information		Connection options	Inventory file	Tower Dedicated information
Authentication method	WinRM connection information		Protocol	OS type		Additional option	Instance group name
	Port no	Server certificate					
<input type="text"/>	<input type="text"/>	<input type="text"/> 参照...	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<div>Upload in advance</div> <div>Upload status:</div>					

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.

No.	Operation ID	Operation name*	Scheduled date for execution*	Remarks	Last update date/time	Last updated by
Auto-input	Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>	Auto-input	Auto-input

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 '~'), 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 is a 'List' section with a '△Close' button, containing the text 'Record does not exist.' At the bottom is a 'Download all' button with a '▽Open' button.

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

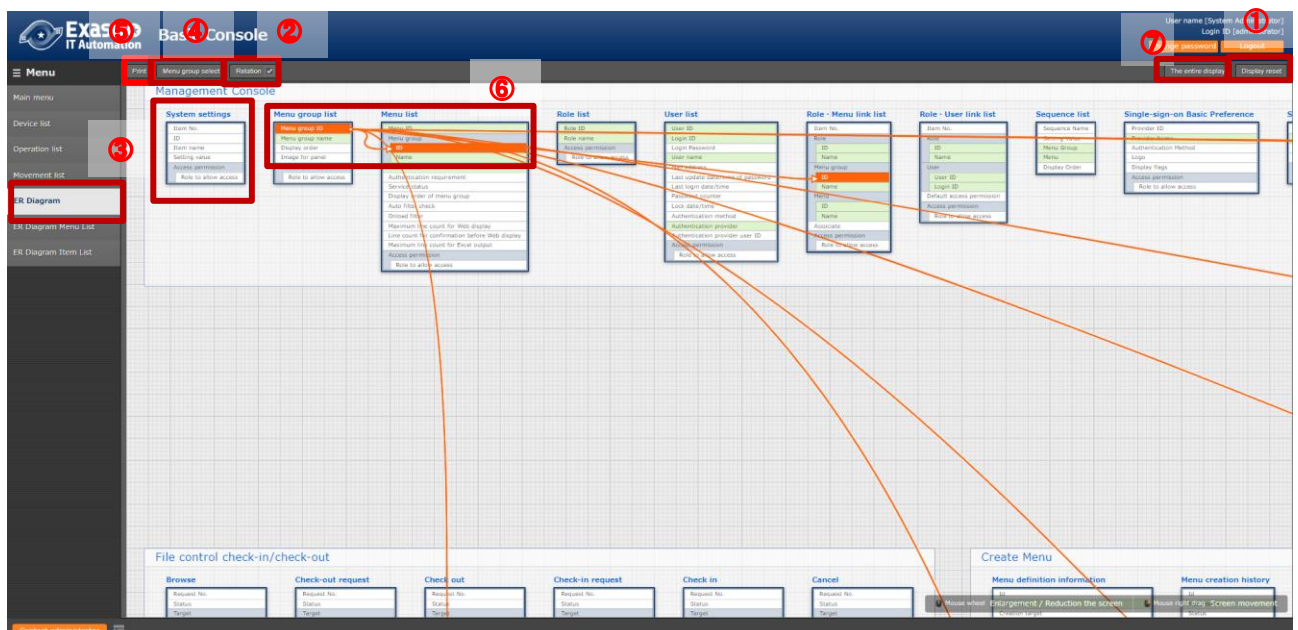


Figure 4-1 ER Diagram Display screen.

(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.

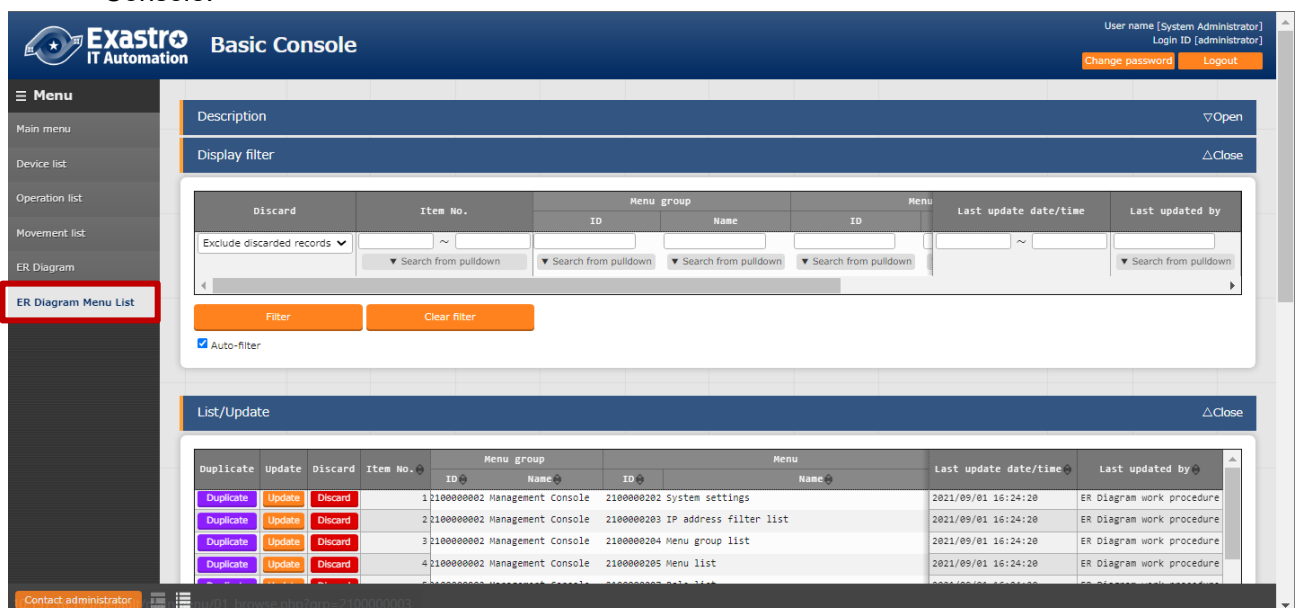


Figure 4- 10 Submenu screen(ER Diagram Menu List)

- (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
				Setting	Role to allow access		
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Setting"/>	<input type="text"/>	Auto-input	Auto-input

Figure 4-2 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 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.

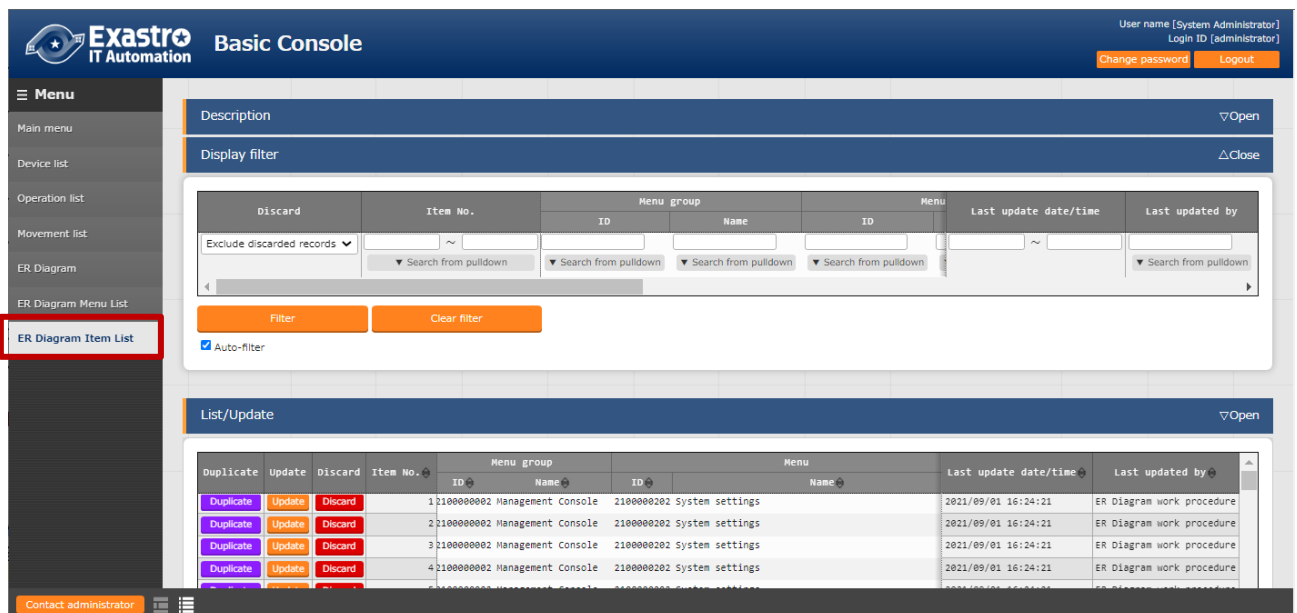


Figure 4-3 Submenu screen(ER Diagram Item list)

- (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 4-4 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

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.