

ITA_User instruction Manual

Menu creation function

-Version 1.10-

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Introduction

This document describes the functions and operation methods of the ITA menu creation function (here after referred to as menu creation) system.

1 Menu creation function overview.

The menu creation functions is for creating menus that can be operated on ITA.

The number of items, format, size and input restrictions of menus (parameter sheets/data sheets) can be freely designed with the menu creation function.

You can freely design the number, format, size, and input limit of menu (parameter sheet/data sheet) items.

The menu types users can create include parameter sheets and data sheets.

1. Parameter Sheet

- Manage IaC variable values
 - ♦ This menu can be set with the function 「Substitution value auto registration setting」 of each driver.
 - "Menu creation" menu group > "Create/define menu" menu> "Menu creation information" tab> "Basic information" frame> In the "Creation target" item, the menu created by selecting "Parameter sheet (with operation)" and "Parameter sheet (with host/operation)" is called a parameter sheet.
 - By setting the target parameter sheet and IaC variable in the "Substitution value automatic registration setting" menu of each driver, it is possible to automatically substitute the value entered in the "Parameter" field of the parameter sheet to the IaC variable.
- With operation
 Parameter sheets are created in "Operation" units.
- With host/operation
 Parameter sheets are created in "host/Operation" units.
- Create as host group menu
 It is possible to manage IaC values for host groups by linking with "Host Group Function".
- Using vertical menus When configuring parameters that repeats the same item, users can use a vertical menu for better visibility.
- 2. Data Sheet
 - Data management within ITA
 - It is possible to create a data sheet where users can freely create items. Data sheets cannot be used in the "Substitution value automatic registration setting" menus.
 - It can be used as a CMDB (Configuration Management Database) to manage the information on the ITA.
 - ✤ By using it as a reference for items that can be selected in pull-down from other menus, it is possible to avoid wording inconsistencies.

Example) Parameter sheet (with host/operation)

\odot	Exastro	Reference						User nam Change pass	e (System Administrator) Login ID (administrator) word Logout	
∃ Menu Main menu		Stro Substituti	ion value						User name [System Administrator Login ID (administrator Change password Logout	
TOOS FROM A	∃ Menu Main menu	Exastro	Input						User nam Change pass	e (System Administrator) Login ID (administrator) word Logout
- 1	Test Menu 1 Test Parameter	Ξ Menu Main menu	Description							⊽Open
		Test Menu 1	Display filter							∆Close
		Test Parameter	Discard	No]∼[▼ Search from pulldown	Host name/Host group name	~	Operation ation name h from pulldown	Reference date	~	st updated by arch from pulldown
		Parameter shee leets) created w		Clear filter		Items created Menu creation				
		u creation" func			L					⊽0pen ∆Close
			No Nost name/Nost grou Auto-input v 4	p name*	Operation Operation	Parameter Item 1 Item 2	Access permission Setting Role to allow a Setting	140005	Rem Last update date/time 1 Auto-input A	Lest updated by wto-input
Contact ac	Contact administrator		Back	Register						
		Contact administrator	Download all and edit file up	oads						⊽Open



Example) Data sheet

Exastro	Input	User name [Syste Login 1	em Administrator) D [administrator]
IT Automation	1 input	Change password	Logout
⊒ Menu			
Main menu	Description		⊽Open
Timezone list	Display filter		⊽Open
Data sheet menu	List/Update		∆Close
With operation	Update Discard Noë Item teste Role to allow accesse Remarkse Last update date/timee Last updated by a		
Operation	Update Discard 2 DataA 2821/82/24 10:52:56 System Administrator		
Host operation menu	Update Discret 3 bata8 2021/82/24 18:53:56 System Administrator Update Discret 4 pataC 2021/82/24 18:54:30 System Administrator		
Host group with operation	Filter result count: 3		
Menus created wit creation function.	h the menu Items created by the		
(Parameter sheet/			
			∆Close
	No Item test Access permission Remarks Last update date/time Last updated by Ruto-Input Seems Auto-Input Auto-Input		
	RH'is a required item. Back Register		

Figure 1-2 data sheet

Example) How to use a datasheet as a "Reference pulldown"

By selecting the input value in pull-down format, it is possible to prevent wording inconsistencies from manual input.

·Create a datasheet as a "Reference pulldown".

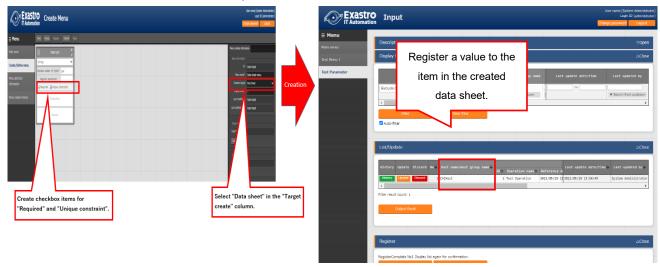


Figure 1-3 Data sheet as reference

• Specify "Pull-down selection" as the input method and create a menu (parameter sheet/data sheet).

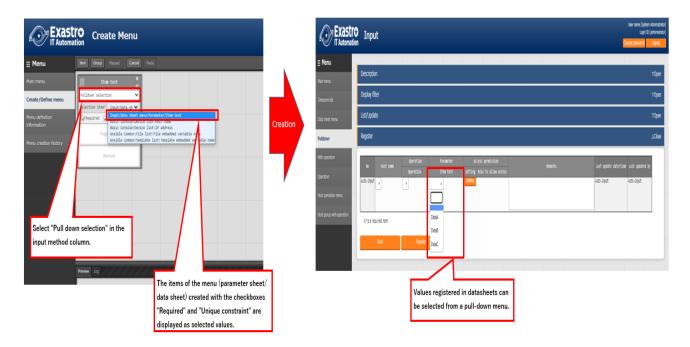


Figure 1-4 Parameter sheet referring to the registration value of the data sheet in the pull-down menu

2 Main functions of menu creation function

The main functions of the parameter sheet creation function are classified into the following categories.

≻ Web

Web contents. A screen that allows users to use the function of creating a parameter sheet provided in the browser.

BackYard

A resident process that runs on a server independently from Web content.

3 Menu group of menu creation function

The menu group of the menu creation function and the menu that belongs to it are as follows.

 When menu (parameter sheet / data sheet) is created in the "Menu Definition/Create" menu, data is automatically registered in each menu of "Menu definition list", "Column group management", "Menu item creation information" and "Menu (vertical) creation information", so there is no need to create data within each menu.

In addition, since the menu (parameter sheet/data sheet) is created automatically, so there is no need to create and execute it in the "Menu creation execution" menu.

 If you want to use a hidden menu, please revive the target menu in "Role/menu link list". (Please, refer to the "Exastro-ITA_User_Manual_Management Console" for revival/abolition instructions.)

Menu	Menu	Section	Description
group			
Create	Create/Define menu	5.1~5.4	Create/update parameter sheet or datasheet
menu	Menu definition	5.5	The menu names of the parameter sheet or
	information		datasheet to be created can be maintained
			(View/Update/Discard/Restore).
	Menu creation history	5.6	Users can check the status of menu creation
	Column Group list	6.1	The column groups of the parameter sheet or
			datasheet to be created can be maintained
			(View/Update/Discard/Restore).
			XThis menu is hidden after installation.
	Menu item creation	6.2	The items of the parameter sheet or datasheet to
	information		be created can be maintained
			(View/Update/Discard/Restore)
			XThis menu is hidden after installation.
	Vertical Menu creation	6.3	Select the menu name and start item name of the
	information		parameter sheet or data sheet to be created, and
			specify the number of items in vertical management
			display and number of repetitions.
			XThis menu is hidden after installation.
	Create menu	6.4	Create the menu of the parameter sheet or data
			sheet in the menugroup that is specified in $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
			creation information」menu.
			XThis menu is hidden after installation.
	Menu / table link list	8.2	Displays the link between the created menu and the
			DB table
			XThis menu is hidden after installation.
	Other menu link	8.3	Displays the link / association between menu
			group, menu, item, and DB table of created menu
			XThis menu is hidden after installation.
	Menu conversion	8.4	Displays the link of the menu that is horizontal from
	information		vertical menu.
			%This menu is hidden after installation.

Table 3-1 Menus that belongs to the "Create menu" menu group

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Selection 1	8.5	Manages items that are selectable from pulldown selections.(For item 1) * This menu is hidden after installation .
Selection 2	8.6	Manages items that are selectable from pulldown selections.(For item 2) *This menu is hidden after installation .
Reference item info	8.9	Displays the items that can be used as X This menu is hidden after installation.

XIn the "Create/Definition menu" menu, it is possible to maintain menus (parameter sheets/data sheets) one at a time. However, if you want to maintain multiple menus (Parameter sheets/Data sheets) at the same time, you have to do so from Excel.

4 Menu (Parameter sheet/Data sheet) Description

■ Types of sheets can be created.

When initiation a creation of a menu where "Parameter sheet" ("Menu creation" menu group-> "Menu definition/creation" Menu-> "Menu creation information" tab->"Creation Target" field") is selected, a menu (Parameter sheet) that allows users to set items in the "Substitution value automatic registration setting" menu of each driver will be created.

If [Data Sheet] is selected as the creation target and menu creation is executed, a Data Sheet that is not available in [Substitute value auto registration setting] will be created.

	Create Menu Cover participation Create Menu					
⊒ Menu	Item Group Repeat Cancel	Redo				
Main menu	Item 1 X	Itten 2 ×	Item 3	Menu creation information		
Create/Define menu	Pulldown selection		Pulldown selection	- Basic Information : Id : Auto-input		
Menu definition information		Selection item* Basic Console V	Selection item [®] Basic Console V Required Unique constraint	Menu name" : Crestion target : Purameter Sheet Hood //hound v		
Menu creation history	Explanation	Explanation	Explanation	Display order* Parameter Sheet(Host/Operation) Parameter Sheet(Operation)		
	Remark	Remark	Remark	Create as hostgrou a Data Sheet Create as vertical menu () : ■ Yes		
		II		Last modified : : Auto-input		
				Last updated by : : Auto-input		
				Tarnet menu oroun		

Figure 4-1 "Target create" column

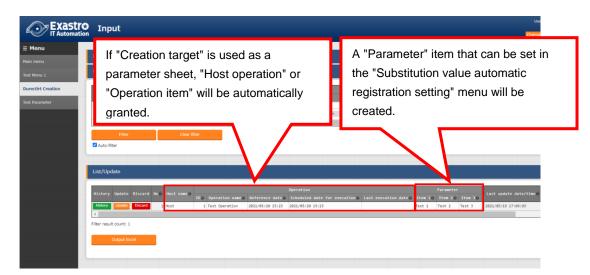


Figure 4-2 Menu created with "Parameter sheet" (In the target column (Parameter sheet)) selected.

Exastro IT Automation	Input
E Menu tain menu est Menu 1	If "Creation target" is used as a "Data sheet", users can create items freely.
Durectirt Creation	List/Update
gistration Management	History Update Discard No Username UserID UserMailAddress Access permission Role to mllow access
st Parameter	History Under Discard 1 Test1 Test2 2021/05/19 17:14:41 System Administrator
	Filter result count: 1
	Output Excel

Figure 4-3 Menu created with "Data sheet" (In the target column (Data sheet)) selected. Comparison between parameter sheets and data sheets.

Selected value of Creation target	Substitute value auto registration setting	Menu items	Relationship with host/operation
Parameter Sheet	Configurable	"Host" and "Operation" items	Associated with specific
(With		are automatically added.	host/operation.
Host/Operation)		Other items can be created	
		freely.	
Parameter sheet	Configurable	"Operation" is automatically	Associated with specific
(With Operation)		added. Other items can be	host/operation.
		created freely.	
Data Sheet	Not configurable	All items can be created	Not associated with specific
		freely.	host/operation

Table 4-1 Comparison of menus (parameter sheet/data sheet)

*The Data Sheet is intended to be used as a source of reference for items selected by pulldown from other menus, and to be used as a CMDB(Configuration Management Database) for centralized management of data on ITA.

Menu creation pattern

The five menu creation patterns that can be created with the menu creation function are shown below.

- ① Parameter sheet selection & with "host group" & With "vertical menu"
- 2 Parameter sheet selection & with "host group"
- ③ Parameter sheet selection & with "vertical menu"
- ④ Parameter sheet selection
- 5 Data sheet selection

If Parameter sheet is selected, a menu (Parameter sheet) will be created for the 3 menu groups.

- A) For input
- B) For substitution value automatic registration
- C) For reference

If Data sheet is selected, a menu (Data sheet) will be created for the 1 menu groups.

A) For input

Menu (Parameter sheet/Data sheet) maintenance (register/update/abolition/revival) operations can only be performed on the "A) For input" menu group.

Register/update/abolition/revival cannot be performed in other menu groups.

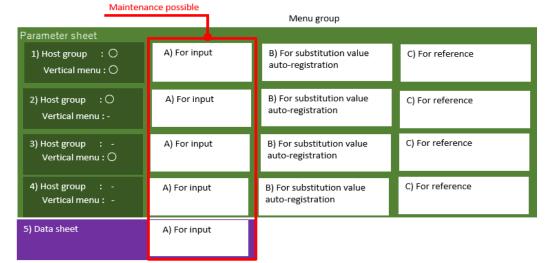


Figure 4-4 menu creation pattern

·Create as host group menu

When grouping the target hosts by using the host group function, it is recommended to use the host group.

Please refer to ^[User instruction Manual_Host Group Function] for the Host group function.

Create as host group menu

For example, when define the same item repeatedly, such as "IP address" + "domain" in the hosts file, we recommend using the vertical menu for better visibility. If you do not need to enumerate a fixed number of items repeatedly like the kernel parameters, we recommend that you do not use the 「Vertical menu」 and use the normal menu.

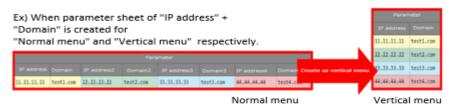


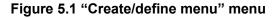
Figure 4-5 Comparison of "Normal menu" and "Vertical menu"

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5 Operation description of (Define/Create Menu) menu

Menu creation and parameter sheet/data sheet definition are performed in "Define/Create Menu" screen.

	ro Create Menu	_	User name [System Administrator] Login ID [administrator] Change password Logout
⊒ Menu	Item Group Repeat Cancel Redo	А	В
Main menu	Item 1 🗶		Menu creation information
Create/Define menu	String V		Basic information Id : Auto-input
Menu definition information	Haxinum number of Dytes* Regular expression Required Unique constraint		Menu name* : Creation target* : Display order* :
	Explanation		Use* : For Host v
	Remark		Last modified : Auto-input Last updated by : Auto-input
			– Target menu group –
			Host* :
			Vertical : Target menu group
	Preview Log		Explanation
С	List(Preview)		
	No@ Item 1@ Remark@ Last Modified@ Last updated by@ 1 String 2020/01/01 00:00:00 System Administrator 2 String 2020/01/01 00:00:00 System Administrator 3 String 2020/01/01 00:00:00 System Administrator		Remarks
	Create		Xi *Banuirad itam
Contact administrator			



5.1 (A) Setting of Item/Group/Repeat

Set the items for menu (parameter sheet/data sheet)

Item button

Click "Item" button to add new item and set it.

It is possible to add it as an item to the menu (parameter sheet/data sheet) by selecting the input method from the pull-down menu and entering the required items.

tem Group Repeat Cancel	Redo		Register									
Iten 1	Iten 2 R	Iten 3 g		No Item 1	Item 2	Ite	m 3	1	Pe	rmis	sion	
down selection v ction iten* Basic Console v	Pulldown selection v Selection item [®] Basic Console v	Date v String Multi string	7	目散入力		2021/		^ _∧			sion 1 101	
ed 🗌 Unique constraint	Required Unique constraint	Integer Decimal number Date		4		Sun			Wed 1		*	
Explanation	Explanation	Date/time Pulldown selection Password				31		2	3	4	5 12	
Remark	Remark	File upload Link		Back	Register	14 21			17 24	-		
						28	1	2	3	4	5	

Figure 5.1-1 Item creation

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Table 5.1-1 setting item value

lte	em name	Description
Item name		Enter the name of the item.
	set on default)	. \times Do not use \lceil/\rfloor in the item names. When \lceil/\rfloor is used, the
v	,	Substitute value auto registration setting for the different drivers may not work
		properly.
Required		Select if you want the item to be a required item.
Unique res	etraint	Select if you want the item to be a unique restrained item.
Pulldown		Users can choose the type of input method they want to have in their item from the
(Input met		pulldown menu. Select from "String", "Multi string", "Integer", "Decimal number", "Date", "Date/time", or " Pull down selection"
		When "String" is selected, the item is a text box with single line input.
		When "Multi string" is selected, the item is a text box with multiple line input.
		When "Integer" is selected, the item is a text box that only integer can be entered.
		When "Decimal number" is selected, the item is a text box that integer/decimal number can be entered.
		When "Date" and "Date/time" is selected, the item is entered by calendar selection.
		When "Pulldown selection" is selected, the item is a pulldown menu item. Registered
		data will have its value turned into a link that users can use to access menus where the
		source data was registered.
		Users are able to use the search function in the display filter menu to search. Note that the search filter can only handle characters within 1024 bytes.
		The behavior of links in pulldown selection changes if the source item is a "Multi string" item.
		For more information, please see Chapter 8.13.
		If "Password" is selected, the item will be a text box where any text typed in the box will be hidden with "•"(The text will only be displayed if the eye icon inside the frame is
		pressed) When "File upload" is selected, the item will contain 2 buttons. One where users can
		browse and select files, and one called "Pre-upload".
		When "Link" is selected, the entered URL will be a text box item that will be displayed as a link.
		If "Parameter sheet reference" is selected, the item will reference records that
		corresponds to their operations.
		Parameter sheet reference cannot be used in Data sheets.
		For more information, please see chapter 8.11
		※For more information regarding the trace history of the menu created with 「Pulldown selection」,please see「8.5 エラー! 参照元が見つかりません。」.
		The association target item in "Substitution value automatic registration setting" are
		"String", "Multi string", "Integer", and "Decimal number". "Date/time", and "Date" can't be
		associated. "Pulldown selection" can't be associated if the item of pulldown selection
		are "Multi string", "Date/time", and "Date".
String	Maximum	Enter the maximum number of bytes.
	number of	The maximum size is 8192 bytes.
	bytes	The byte count of half-width alphanumeric characters are equivalent to the number of
		characters.

Iten	n name	Description
		For full-width characters, the number of characters x 3 + 2 bytes is required.
		Required if "Input Method" is "String".
		Can't be entered if "Input method" is "Multi string", "Integer", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Regular	If you want to check input values with regular expression, enter the regular expression.
	expression	Example: For half-width numeric items of 0 bytes or more: /^[0-9]*\$/
		For half-width alphanumeric characters of 1 byte or more:/^[a-zA-Z0-9]+\$/
		Can't be entered if "Input method" is "Multi string", "Integer", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that exceeds the set maximum byte size or a value that
		does not match a regular expression.
		When the menu's data is output as an Excel file, the default value will be set by default.
Multi	Maximum	Enter the maximum number of bytes.
string	number of	The maximum size is 8192 bytes.
	bytes	The byte count of half-width alphanumeric characters are equivalent to the number of
		characters.
		For full-width characters, the number of characters x 3 + 2 bytes is required.
		Required if "Input Method" is "Multi String".
		Can't be entered if "Input method" is "String", "Integer", "Decimal number", "Date/time",
		"Date", and "Pulldown selection".
	Regular	If you want to check input values with regular expression, enter the regular expression.
	expression	Example: For half-width numeric items of 0 bytes or more: /^[0-9]*\$/
		For half-width alphanumeric characters of 1 byte or more:/^[a-zA-Z0-9]+\$/
		Can't be entered if "Input method" is "String", "Integer", "Decimal number", "Date/time",
		"Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that exceeds the set maximum byte size or a value that
		does not match a regular expression.
		When the menu's data is output as an Excel file, the default value will be set by default.
Integer	Minimum	Enter the minimum value of the column.
	value	Integer value from -2147483648 to 2147483647 can be entered.
		The value will be -2147483648 if not entered.
		Please enter value smaller than the maximum value.
		Can't be entered if "Input method" is "String", "Multi string", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Maximum	Enter the maximum value of the column.
	value	Integer value from -2147483648 to 2147483647 can be entered.
		The value will be 2147483647 if not entered.
		Please enter value larger than the minimum value.
		Can't be entered if "Input method" is "String", "Multi string", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.

Item	n name	Description
Decimal	Minimum	Enter the minimum value of the column.
number	value	Integer value from -999999999999999 to 99999999999999 with total digit for whole
		number + fraction part less than 14 digits can be entered.
		The value will be -999999999999999 if not entered.
		Please enter value smaller than the maximum value.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Maximum	Enter the maximum value of the column.
	value	Integer value from -999999999999999 to 999999999999999 with total digit for whole
		number + fraction part less than 14 digits can be entered.
		The value will be 9999999999999999999999999999999999
		Please enter value larger than the minimum value.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Digits	Enter the upper limit of the total digit for whole number + fraction part.
		Example: 0.123 has 4 digits (whole number 1 digit, fraction part 3 digits)
		11.1111 has 6 digits (whole number 2 digit2, fraction part 3 digits)
		Integer value from 1 to 14 can be entered.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Pulldown	Select item	Select the target to be referenced from the created menu (parameter sheet / data sheet)
selection		from the pull-down.
		The string in the "Select item" column is configured of "Menu group: Menu item".
		Input required if "Input method" is "Pulldown selection".
		timesItems that satisfy the following conditions are displayed in the pull-down menu .
		•"Host name" and "IP address" item of "Basic console" menu group "Device list"
		menu
		•If Ansible driver is installed, the "File Embedded Variable Name" item in the "File
		list" menu of the "Ansible Common" menu group and "Template Embedded Variable
		Name" item on the "Template list" menu.
		 Items in which the input method of the menu (parameter sheet /data sheet) created
		by the function of the "Menu Creation" menu group is "string (single line)" , "string
		(multiple line)" , "integer" , "multiple line" , "integer," "number" , "date and time" $$,
		"date" , "link" or "required" and "unique constraint."
	Reference	Use this item to select an item as an "Select item" to display a different item that exist in
	item	the same menu.
		Clicking the "Select reference item" button will display a list of items that can be
		displayed horizontally,
		Users can specify the target by checking the checkbox and clicking the "OK" button.
		For more information on how to use it, please see chapter 8.8
		%There might be cases where values are enclosed in brackets in the pulldown search
		bar in the display filter .
		For more information, please see chapter 8.12

Iten	n name	Description
	Default value	Select the data value that will be used by default when data is registered.
		Data registered to the set "Select item" will be selectable from the pulldown selection.
		When the menu's data is output as an Excel file, the default value will be set by default.
Password	Maximum	Enter the maximum number of bytes.
	number of	The maximum size is 8192 bytes.
	bytes	The byte count of half-width alphanumeric characters are equivalent to the number of
		characters.
		For full-width characters, the number of characters x 3 + 2 bytes is required.
		Required if "Input Method" is "Password".
Upload	Maximum	Enter the maximum number of bytes of the file to upload.
file	number of	The maximum size is 4294967296 bytes.
	bytes in the	Required if "Input Method" is "File upload".
	file	
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Link	Maximum	Enter the maximum number of bytes.
	bytes	The maximum size is 8192 bytes.
		The byte count of half-width alphanumeric characters are equivalent to the number of
		characters.
		For full-width characters, the number of characters x 3 + 2 bytes is required.
		Required if "Input Method" is "Link".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that exceeds the set maximum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Parameter	Menu	Select a "Parameter sheet (With operation) from the pulldown selection.
sheet	Item	Select the reference item from the selected menu.
reference		Items with the following input methods can be selected:
		"String", "Multistring", "Integer", "Decimal number", "Time", "Date", "Password", "File
		upload", and "Link".
		XMenus that uses "Parameter reference" might have their value displayed in brackets
		when searching for them with the display filter.
		For more information, please see chapter 8.12.
Explanation		Enter the description that will be displayed when users hover mouse cursor over the
		item name.
Remarks		Enter the remarks column.

Group button

Click the "Group" button to add a column group.

Drag and drop items into the body area of column group to add items into column group. Column groups can also be added into column groups. Multiple items can be set into single column group.

Ben Drap que Canal	Reda			Gro	ир 1 🕺 🥪		Register		
×		6rosp 1 🕺	I .	📗 Ites 1 🍃	III Iters 2 🍃	r I			
11en 1	10m 1(2)		Υ.	string •	string •				
10-log V	ariag 🗸 🦞	1	┢	Haximum number of bytes*	Haximum number of bytes*			Group 1	
Maximum number of bytes*	Maximum number of bytes"			Regular expression	Regular expression		NO	ltem 1 ltem	2 Setting
Regular expression	topiar expression	Easty	7	Required Dinique constraint	Required Dinique constraint		Auto-input		Setting
Repúred Dirique constraint	Repúred Unique constraint	inter a				l '	Auco-Inpuc		Secong
Explanation	Explanation			Explanation	Explanation				
Renark	Renark			Remark	Remark				

Figure 5.1-2 column group creation

Repeat button

Click the "Repeat" button to set repeat items.

Repeat items and repeat count will automatically applied to vertical menu.

If you check the checkbox "Use" in the "Use vertical menu" column, the "Repeat" button will be enabled.

Users can set it by dragging and dropping items into the displayed REPEAT area.

 $(\divideontimes) \ensuremath{\mathsf{Vertical}}$ function is not applicable for data sheet.

Multiple items can be set in repeat column but only one repeat column can be set in a parameter sheet.

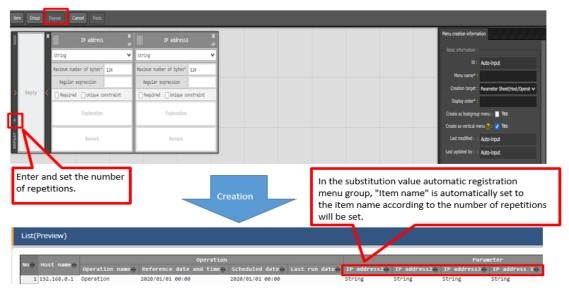


Figure 5.1-3 create as vertical menu

Cancel button

Undo the previous modification.

Redo button
 Redo the cancelled modification.

5.2 (B) Menu creation information tab

Enter required information for menu creation.

Basic information

Table 5.2-1 "Basic Information" Setting Value

		Selected value of		
ltom nomo	Description	creation	target	
Item name	Description		Data	
		Sheet	Sheet	
ld	"Auto-input" is set on default when creating new menu.	Displayed	Displayed	
	The ID of menu will be displayed when editing existing menu.			
Menu name	Enter the menu name of the menu to be created. The menu name	Displayed	Displayed	
	"Main menu" cannot be used.			
Creation target	Select 「Parameter Sheet (Host / Operation)」 or 「Data Sheet	Displayed	Displayed	
	(master available)」 from the pull-down menu.			
	If "Data Sheet" is selected, the "Input" field will be displayed in the			
	"Target Menu Group" frame.			
	If "Parameter sheet (With Operation" is selected, the "Create as			
	Vertical Menu" checkbox will appear in the "Basic Information"			
	frame.			
	Likewise, the "Input"," For Substitution value automatic registration"			
	and "For reference" column" will be displayed in the "Target menu			
	group" frame.			
	If "Parameter sheet (With Host/Operation" is selected, the "Create			
	as Vertical Menu" checkbox will appear in the "Basic Information"			
	frame.			
	Likewise, the "Input"," For Substitution value automatic registration"			
	and "For reference" column" will be displayed in the "Target menu			
	group" frame.			
	The default value is "Parameter sheet (with host/operation)"			
Display order	Enter the display order in the menu group. They are displayed in	Displayed	Displayed	
	ascending order.			
Create as host	When the "Use" check box is checked, "Host name/Host group		Hidden	
group menu	name" parameter sheet in units is created in the "Input" menu			
	group.			
	When the "Use" is checkbox not checked, "Host name" parameter			
	sheet will be created.			
	When "Parameter sheet (with host/operation)" is selected in the			
	"Target to create" column, the "Host group use" column will be			
	displayed.			
Create as	When "Parameter sheet" is selected in the "Creation target"		Hidden	
vertical menu	column, the "Vertical menu use" column will be displayed.			
	When the "Use" checkbox is checked, a parameter sheet			
	corresponding to the vertical menu will be created.			
Last modified	"Auto-input" is set on default when creating new menu.	Displayed	Displayed	
	The time of last modification will be displayed in view/edit mode.			
	1			

Item name	Description	Selected value of creation target	
item name	Description	Parameter	Data
		Sheet	Sheet
Last updated by	"Auto-input" is set on default when creating new menu.	Displayed	Displayed
	The name of the user who last modified the menu will be displayed		
	in view/edit mode.		

Target menu group

The menu groups that the menu to be created belongs to is displayed.

Click the "Target menu group" button to display the "Target menu group" modal to select the menu group for the menu to be created.

Item name	Description	Selected value of creation target		
item name	Description	Parameter Sheet	Data Sheet	
For input	The initial value is the "For input" menu group.	Displayed	Displayed	
	The menu group name selected in the "For input" column on the			
	"Menu Group Selection" screen will be displayed.			
	Selection required item.			
For substitution	The initial value is the "substitution value automatic registration"	Displayed	Hidden	
value automatic	menu group.			
registration	If the "Creation target" column is "Parameter sheet", the menu			
	group name selected in the "For automatic registration substitution			
	value" column on the "Menu group selection" screen will be			
	displayed.			
	%If the "Target menu group selection" frame is displayed, it is a			
	selection required item.			
For reference	The initial value is the "For reference" menu group.	Displayed	Hidden	
	If the "Creation target" column is "Parameter sheet", the menu			
	group name selected in the "For reference" column on the "Menu			
	group selection" screen will be displayed.			
	XIf "Target menu group selection" frame is displayed, It is a			
	selection required item.			

Table 5.2-2 Target menu group frame setting value

Target mei	nu group				×
Input	Substitution value	Reference	ID	Menu group name	
	•	•	-	Unselected	
0			2100011610	Input	
	0		2100011611	Substitution value	
		0	2100011612	Reference	
				Decision Cansel	

Figure 5.2-1 Target menu group screen

%This picture shows when "Parameter sheet" is selected in the "Creation target column.

- > "Target menu group" screen
 - Select the menu group where you want to create the menu (Parameter sheet/Data sheet)
 - ✤ "For input", "For Substitution value automatic registration" and " For reference" menu groups are selected by default
 - ♦ Select the menu group you want to use and press the "Decision" button.
 - If you press the "Decision" button with the default settings~ will automatically be created. (When "Datasheet" is selected in the "Creation target" field, only the "For input" menu group will be created.)
 - If the default menu group is not going to be used, please create the menus in the "Management console" menu group in advance. (For information about creation, please refer to the "ITA-User_Instruction_Manual_Management Console".)
 - ♦ To return to the "Definition/list menu" menu, press the "Cancel" button.
 - "Unique constraint (multiple items)" screen.

This function allows users to restrict and control registration of records when the contents of specified item combinations already exists.



figure 5.2-2 "Unique constraint(multiple items)" function

Press the "Unique constraint(multiple items)" button to open up the "Unique constraint(multiple items)" window. Here users can configure the different item combinations they want to apply unique constriction to.

- "Unique constraint(multiple items)" settings screen
 - Press the "Add a pattern" button to add a new pattern. Press the button again to add multiple patterns.
 - ♦ Existing patterns will all be displayed. Users can press the items to choose what item combinations they want to apply unique constriction to.
 - ♦ Press the "delete" button on the right of the button in order to delete the pattern.
 - ♦ Press the "Cancel" button to cancel the process.
 - Press the "Decision" button in order to save the patterns. The configured patterns will then be displayed in the Create menu screen.

Unique constraint(Multiple items)	×
Add a pattern No patterns.	
Decision	el
	Substitution value* : Substitution value
Unique constraint(Multiple items)	<u>^</u>
Add a pattern	Reference* : Reference
	Select Target menu group
1 Item 1 Item 2 Item 3 Item 4 Delete	
	Unique constraint(Multiple items)
2 Item 1 Item 2 Item 3 Item 4	Pattern (Item 1,Item 2),(Item 3,Item 4)
	Select Unique constraint(Multiple items)
	Permission role
Decision	

Figure 5.2-3 "Unique constraint(multiple items)" settings screen.

- ♦ The following patterns will lead to validation errors.
 - ① Patterns with only 1 item selected.
 - 2 Patterns with the same combination as already existing patterns.



Figure 5.2-4 "Unique constraint(multiple items)" Validation error patterns

- "Permission role" frame
 - If permission role is selected
 - Menu definition (each menu under the "Create menu" menu group) can only be accessed from selected roles.
 - Created menus (parameter sheet/data sheet) can only be accessed by the selected roles set in the "Role/menu link list" menu.
 - If no role is selected
 - ♦ Menu definition (each menu under the "Create menu" menu group) is accessible by all roles.
 - Created menus (parameter sheet/data sheet) can only be accessed by "System Administrator" roles and the role group of the user who created the menu.

5.3 (C) Menu creation

- "Preview" Tab
 The items to be created is displayed in table format.
- "Log" Tab
 The result of menu creation after clicking the create button will be displayed.
- Create button (When creating new menu)
 Menu (parameter sheet/data sheet) creation will be performed when clicking "Create" button after entering all required item.
 The following dialog will be displayed efter clicking "OK" button of confirmation dialog.

The following dialog will be displayed after clicking "OK" button of confirmation dialog.



Figure 5.3-1 Menu confirmation dialog

Please move the "Menu creation history" menu to check if the menu is created normally after the creation is performed.

	Edit	Diversion new	Menu creation history
Contact administrator			

Figure 5.3-2 View screen "Menu creation history" button

When creating menus in "Define/Create menu (parameter sheet/data sheet)" screen, the information of the created menu will be automatically registered to "Menu definition information", "Column group list", "Menu item creation information", "Vertical menu creation information"

5.4 Using [Define/Create Menu] after menu has been created

Users can edit created menu or use created menu as template to create new menu (parameter sheet/data sheet) after creating menu in "Define/Create Menu".

Exasti IT Automat	Create Menu	User name [System Administrator] Login ID [administrator] Change password Logout
≡ Menu		
Main menu	Ites 1	Menu creation information
Create · Define menu	string	
	naximum number of bytes* 512	Menu name : Test menu 2
Menu definition information	Replace expression	Creation target : Parameter Sheet(Operation)
Menu creation history	Required Unique constraint	
mena creadon matory	Explanation	
	Remark	Last modified : : 2021-05-19 17:41:37
		Last updated by : : System Administrator
		Input : Input
		Substitution value : Substitution value
		Reference : Reference
		Permission role Role :
l l	Preview Log	
	List(Preview)	
	Operation Parameter	
	No 😚 Operation name@ Reference date and time@ Scheduled date@ Last run date@ Item 100 Remark@ Last Modified@ Last updated by@	
	1 Operation 2020/01/01 00:00 2020/01/01 00:00 String 2020/01/01 00:00 System Administrator	
	2 Operation 2020/01/01 00:00 2020/01/01 00:00 String 2020/01/01 00:00 System Administrator 3 Operation 2020/01/01 00:00 2020/01/01 00:00 String 2020/01/01 00:00 System Administrator	
	Edt Initalize Diversion new Menu creation heliony	
Contact administrator		

"View mode screen"

Figure 5.4-1 View mode screen

After creating new menu, the screen above will be displayed.

It is not possible to create or edit menus (Parameter sheets/data sheets) on the view screen.

Users can edit and create by pressing the "Edit", "Initialize", "Diversion new" and "Menu creation history" buttons displayed on the screen.

If the "Edit" or "Initialize" button is not displayed but the "Create" button is, the "Menu create" function's BackYard process has most likely not finished.

If this is the case, please refresh the browser after creating the menu. This should display the "Edit" and "Initialize" button. The Menu creation status can be seen in the "Menu creation history". Users can access this menu by pressing the "Menu creation history" button.

作成	流用新規	メニュー作成履歴	

Figure 5.4-2 Button arrangement when the Backyard process is not finished

"Edit" button

Pressing the "Edit" button will move the user from the View screen to the Edit screen. Editing any value and pressing the "Create" button will re-create the menu (Parameter sheet/Data sheet) of the value.

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"Initialize" button

Pressing the "Initialize button" will move the user from the view screen to the initial screen. Editing any values in the initial screen and then pressing the "Create (Initialize) button will recreate the menu (Parameter sheet/Data sheet).

When recreated, the data registered in the "Input" Menu group will be deleted.

"Diversion new" button

"Clicking the "Diversion new" button will take the user to a screen where they can create a new menu template from the menu currently displayed on the screen. Please enter new menu name and display order for the new menu. Make sure the new name is different from any existing menu name.

"Menu creation history" button

Moves the user to the "Menu creation history" menu of the menus being displayed in the view screen.

	Create Menu	Change password Logout
∃ Menu		
Main menu	IIII Iten 1 X	Menu creation information
Create/Define menu	string v	Basic information
create, benne mena	Maximum number of bytes* 1	td: 1
Menu definition Information	Regular expression	Menu name* : 1
	Required Unique constraint	Creation target* : Parameter Sheet(Host/Operat V Display order* : 1
	Explanation	Use*: For Host +
		Last modified : 2020-08-20 11:49:16
	Remark	Last updated by : System Administrator
		Target menu group
		Host*: host
		Reference* : refer
		Vertical :
		Target menu group
	Preview Log	Explanation
	List(Preview)	
	No ⊕ Item 1 ⊕ Remark ⊕ Last Modified ⊕ Last updated by ⊕	
	1 String 2020/01/01 00:00:00 System Administrator	Remarks
	2 String 2020/01/01 00:00:00 System Administrator	
	3 String 2020/01/01 00:00:00 System Administrator	*

"Edit mode" screen

Figure 5.4-2 Edit screen

In the edit screen, users can edit menus displayed on the screen.

Already existing items can only have their "Item name" "Description" and "Remarks" values changed.

If you deleted one of the existing items, the data input into that item will also be deleted.

If you added a new item, an item will be added with its record blank.

As the records will be blank even if you've checked the "Required" and/or "Unique constraint", inconsistencies may occur in the registration data.

It is not possible to change the "Basic Information", "Creation Target", "For Hostgroup", and

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the "Create as vertical menu" values.

Creation button

Menus (parameter sheet/data sheet) displayed on the edit screen will be re-created. When editing existing menu, since exchanging the name of items among the items is invalid, error may occur when changing the name of items.

- Reload button
 Discard the edited content then return to the status of the original menu.
- Cancel button

Return to the state before clicking the edit button.

Initialize screen

Exast	tro メニュー作成	ようこそ(システム管理者)さん ログインID (administrator ノロワード音楽 ログアウト
≡ Menu	第月 グループ リピート 取り返し + や直し	
メインメニュー		>==-#x##\$
メニュー定義・作成	文学形(唯一行) *	Erikt
A.1. 104 114	■大バイト型* 128	R# 6 メニュー6*: metu4
	正規思測	メニュー6*** meru4 REDITA: パラメータシート (Rスト/オペレーシッ
	<u>_∂≬18710</u>	8767* 4
	24	ホストグループ利用: 🔳 利用する
		alx=====400 🔞: 🔳 \$00335
	R	■NEM目标: 2021-04-05 14:40:31
		最终来新者: 5-ステム管理者
		***メニュークループ
		入力用*:入力用
		代入缅甸和安徽师*:代入缅甸和安徽明
	Jula- 01	PRR PRR
		用ネメニューブループ
	-覧(プレビュー)	アクセスが同ロール
	オペレーション パラメータ	0-4
	No (0) ホスト名 (ハレーション名) スポロ (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	アクセス好日ロール電流
	1 192-156.0.1 オペレーション 2020/01/01 00:00 2020/01/01 00:00 文字列(単一行) 2020/01/01 00:00:00 システム管理者	15,68
	2 192.156.0.1 オペレーション 2020/01/01 00:00 2020/01/01 00:00 文字列(単一行) 2020/01/01 00:00 システム管理者	
	3 192.168.0.1 オペレーション 2020/01/01 00:00 2020/01/01 00:00 文字列(単一行) 2020/01/01 00:00 システム管理者	
		- 47
	「市場周期後」 再使い キャンセル	
BUR AN		

Figure 5.4-4 Initialize screen

In the Initialize screen, users can edit the displayed menus.

There is constraints regarding editing. However, the data registered in the "Input" Menu group will be deleted.

Create(Initialize)" button

The menus (Parameter sheet/Datasheet) displayed in the Edit screen gets recreated. XIf you want to edit already existing menus (Parameter sheet/Data sheet), keep in mind that as it is not possible to exchange item names between items, an error might occur when pressing this button if you've changed the item name.

- "Reload" button.
 Discards the edited content then return to the status of the original menu.
- "Cancel" button. Return to the state before clicking the edit button.

5.5 Check created menu in [Menu definition information]

In the "Menu definition list" menu, users can check and operate the following.

- > A list of created menus (parameter sheets/data sheets).
- Maintenance (view/update/abolition/restore) of created menus(parameter sheets/data sheets)
- > Create menus (parameter sheet/datasheet) that do not use the "Define/create menu".

Menus (parameter sheet /data sheet) maintenance (view/update/abolition/restore) is possible.

IT Automatio	Create Menu										
	Description										
e menu	Display filter										
n	Discard	Id	Menu name	Creation target	Display order	Use	Vertical	Menu group for Input	Menu group for Substitution v	alue auto-registratio	n Menu group for
listory	Exclude discarded records 🖌	✓ Search from pulldown	Search from puldown	Search from pulidown	Search from pulldown	Search from pulidowr	Search from pulldown	▼ Search from puldown	▼ Search from a	uldown	Search from ou
	4										
	Filter	Clear filter									
	Auto-filter										
	List/Update										
	History Update Discard Id	e Kenu name e Kenu	u definition • creation	Creation target	Display order 🕀 Use	Vertical	fanu ecoup for Tanutê	Manu enoug for Substit	ution value auto-registration	Yenu erous for View	A Description A
		Hest Neru	Gerraria Credition					Input	ACTOR AND ACCOUNTS ACCOUNTS	Reference	
	History Update Discard	2 Test Menu 1	Menu definition - creation	Para ter Sheet(Host/Operation)) 1 For Host			Substitution value		Reference	
	History Update Discard	3 Test Parameter	Menu definition - creation	Para ter Sheet(Host/Operation)) 2 For Host	Snoup <u>1</u>	input	Substitution value		Reference	
			Menu definition - creation	Para ter Sheet(Host/Operation)) 1 For Host	1	input	Substitution value		Reference	
				Nata heet	1		nput				
	History Update Discard	6 Test menu 2	Menu definition - creation	Para ter Sheet(Operation)	5	1	nput	Substitution value		Reference	
	Filter result count: 6										

Figure 5.5-1 Menu definition list menu

Created menus (parameter sheet/data sheet) is displayed in "Menu definition list" > "List/Update". Click "Filter" button in display filter to show all menus.

Clicking the "Menu definition/creation" button will move the user to the "Create/Define menu" menu in view mode.

Pressing the "Input", "Substitution value automatic registration" or the "Reference" URL will move the user to that menu group list.

XThe following are the steps to create menu in "Menu definition information" menu. These steps are not needed to create menu in "Create/Define menu" menu.

Item name	Description	Selected value of creation target		
item name	Description	Parameter Sheet	Data Sheet	
Menu name	Enter the menu name of the menu to be created. The menu name	Displayed	Displayed	
	"Main menu" cannot be used.			
Creation target	Creation target Selecting 「Parameter Sheet (Host / Operation)」 or 「Data Sheet		Displayed	
	(master available)」 from the pull-down menu, the color of the			

Table 5.5-1 Menu definition list menu setting value

		Selected value of creation target		
Item name	Description	Parameter Sheet	Data Sheet	
	 header will change in the "List/Update" Submenu and the "Registration" submenu. If "Parameter sheet (with host/operation)" is selected , "Display order" column, "Use" column, "Vertical menu use" column, "Input menu group" column, "Menu group for substitution value automatic registration", "Menu group for reference", "Description" column, "Access permission" column, and "Remarks" column will be displayed as setting points. If "Parameter sheet (with operation)" is selected, "Display order" column, "Vertical menu use" column, "Menu group for input", "Menu group for substitution value" automatic registration, "Menu group for reference", "Description" column, "Access permission" column, and "Remarks" column will be displayed as setting points. If "Data Sheet" is selected, the "Display order" column, the "Input menu group" column, and the "Remarks" column will be displayed as setting points. 			
Display order	Enter the display order in the menu group. They are displayed in ascending order.	Displayed	Displayed	
Use	If "Parameter sheet (with host/operation)" is selected in the "Creation target" column, the "Use" column will be displayed. If "Host" is selected, a parameter sheet will be created in "Host name" unit. When "For host groups" is selected, a parameter sheet is created in "Host name/Host group name" units in the "Input" menu group.	Displayed	Hidden	
Create as vertical menu	If "Parameter Sheet" is selected in the "Creation target" column, the "Vertical menu use" column will be displayed. if "•" is selected from the pull-down, a parameter sheet corresponding to the vertical menu will be created.	Hidden	Displayed	
Menu group for input	If the "Creation target" field is "Parameter sheet" and "Data sheet", the "Menu group for input" column will be displayed. Select the menu group where you want to create Parameter and Data sheets from the pull-down menu.	Displayed	Displayed	
Menu group for substitute value automatic registration	If the "Create target" column is "Parameter sheet", the "Menu group for substitution value automatic registration" column will be displayed. Select the Menu group for substitution value automatic registration where you want to create Parameter sheet from the pull-down menu.	Displayed	Hidden	
Menu group for reference %	If the "Creation target" column is "Parameter sheet", the "Menu group for reference" column will be displayed. If the default menu group is not going to be used, please create the menus in the "Management console" menu group in advance.	Displayed	Hidden	

Item name	Description	Selected value of creation target		
item name	Description	Parameter Sheet	Data Sheet	
Menu creation status	Displays the status of the Menu creation (if the menu has been created or not). If it has been created before, the status will display "Created". If not, it will display "Not created". If the status displays "Created", the menu name cannot be changed.	Displayed	Displayed	
Description	Enter the content to be displayed in the description column of the menu screen.	Displayed	Displayed	
Remarks	Free description field	Displayed	Displayed	

(※) Please create the menu group using 「Management Console:Menu Group Management」 in advance. Please refer to 「User Instruction Manaual_Management Console」 for how to create a menu.

5.6 Check the status of creation using [Menu creation history]

Exast	Create Menu	ı							User name [System Ad Login ID [ad Change password	
E Menu										
Main menu	Description									⊽Open
Menu creation information	Display filter									∆Close
Column group list	Discard	Id	Menu name	Status	Menu file	Remarks	Last update date/time	Last updated by		
Menu item creation Information	Exclude discarded records ~	▼ Search from pulidown	Search from pulldown	Search from pulldown	Search from pulldown	Search from pulidown	~	▼ Search from pulldown		
/ertical Menu creation nformation										
Create Menu	Filter	Clear filter								
Menu creation list	Auto-filter		-							
Menu/Table link list										
Other menu link	List									∆Close
Menu conversion Information		Menu file Created new	2020/02/1	4 15:47:35 Create	updated by Nenu procedure Menu procedure					
	Download all									⊽Open
	Trace history									⊽Open
Contact administrator										

Check the status of menu creation list on the parameter sheet or data sheet.

Figure 5.6-1 "Menu creation history" menu

BackYard monitors the status [[] unexecuted], and creates a menu screen setting file based on the unexecuted data, which executes SQL Commands to create a table and registers the menu screen program. After several tens of seconds, when the status changes to [[]Completed], the menu will be created.

	Table 5.6-1 Menu creation instory menu items
Item name	Description
Menu name	Name of the menu to be created
Status	Menu creation status.
	Unexecuted: status before menu creation
	Executing: BackYard is executing the menu creation process
	Completed: Menu creation completed successfully
	Completed (error): When creating the menu ended with an error
Menu file	The PHP file and SQL file used in the menu.
	If BackYard is seperated from the web server, this file is required to be placed on the web
	server. Refer to 「8.1 Placing PHP files」
Menu create type	Type of Menu creation (Parameter sheet/ Data sheet)
	Create New : When the menu is new.
	Initialized: When the menu is initialized
	Edit: When the menu is edited.
Created menu	If the status is "Completed", pressing the "Created Menu" button will open the created menu
	(parameter sheet/data sheet) screen in a different tab.
	Moves the user to the menu (parameter sheet/data sheet) of the menu group set in the menu
	group for input.

Table 5.6-1 "Menu creation history" menu items

Remarks	Free description field

5.7 Check the created menu

"Menu Creation" menu group > "Menu definition/creation" menu> "Menu creation information" tab> "Basic information" frame.

This section explains the menus (parameter sheets/data sheets) in pattern 1~5 below. They are created according to the values selected in the "Basic Information" frame.

(1) Data sheet

- Menu group for input
- (2) Parameter sheet (with operation)
 - > Menu group for input
 - > Menu group for substitution value automatic registration
 - Menu group for reference

(3) Parameter sheet (with host/operation)

- > Menu group for input
- > Menu group for substitution value automatic registration
- > Menu group for reference

(4) Parameter sheet (with host/operation) & Create as host group menu

- Menu group for input
- > Menu group for substitution value automatic registration
- > Menu group for reference

(5) Parameter sheet & Create as vertical menu

- > Menu group for input
- > Menu group for substitution value automatic registration
- > Menu group for reference

Liser name (System Administrator) Login ID (administrator) Change password Logint						
⊒ Menu	Item Group Repeat Cancel Redo					
Main menu	III Iten 1 a	Menu creation information				
Create/Define menu	String V Raxinum nunder of bytest	- Basic information : Id : Auto-Input				
Menu definition information	Regular expression Regular Constraint	Menu name* : Creation target : Parameter Sheet(Host/Operat V				
Menu creation history	Explanation	Display order* : Create as hostgroup menu : Yes Create as vertical menu ?: Yes				
	Remark	Last modified : : Auto-Input				
		Target meru group Input * : Input Substitution value * : Substitution value Reference * : Reference Target meru group				

Figure 5.7-1 Selection of "Basic Information" frame

(1) If "Data sheet" is selected in the "Creation target" column

If "Data sheet" is selected in the "Creation target" column of the "Menu definition/create menu" (or Menu definition list" menu) when the user is creating a menu, a data sheet will also be created.

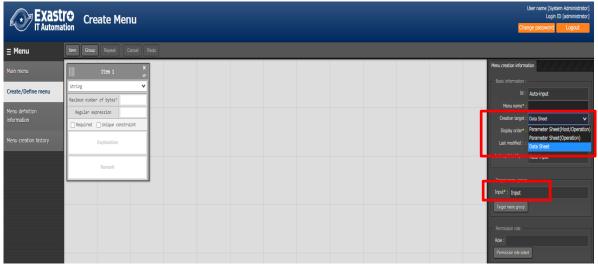


Figure 5.7-2 Data sheet creation

Check that a datasheet has been added to the menu group specified in the "Input (menu group)" field.

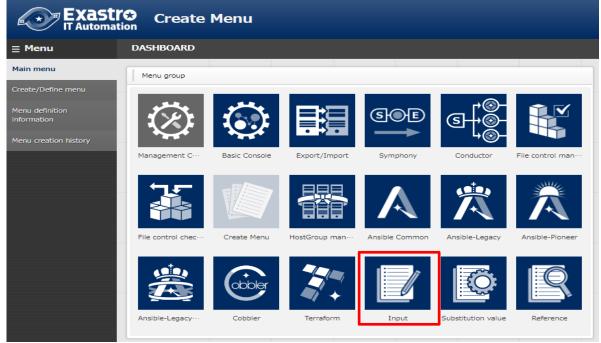


Figure 5.7-3 Menu group for input

A) Menu group for input

A data sheet that can be maintained (register/update/abolition/restore) will be created.

Exastro Tr Automation	Username (Sjotern Lagin 10)	Administrator] [administrator]
T Automation		Logout
≡ Menu Main menu	Description	⊽0pen
Data sheet menu	Display filter	⊽0pen
	List/Update	⊽0pen
	Register	∆Close
	No Nest made Operation Parameter Access permission Remarks Last update date/time Last update date/time Last updated by Auto-Signit • • • • • • • • • • • • • • • • • • •	
	R*'s a required terr. Back Register	

Figure 5.7-4 Data sheet created under menu group for input

XThe datasheet is not linked to a specific host/operation, so host/operation items will not be displayed.

XData sheets will not be created for the "For substitution value automatic registration" and "For reference" menu groups.

(2) If "Parameter sheet(with operation)" is selected in the "Creation target" column

When creating a menu (parameter sheet/ datasheet), if "Parameter sheet (with operation)" is selected in the "Creation target" column of the "Menu definition/create" menu (or "Menu definition list" menu), a parameter sheet for each operation will be created.

Exaction Create Menu Create Menu Create Menu					
⊒ Menu					
Main menu	Iten 1 ×	Menu creation information			
_	String V	Basic information :			
Create/Define menu	Having Number of bytes*	Id : Auto-Input			
	Regular expression	Menu name* :			
	Required Unique constraint	Creation target: Parameter Sheet(Operation)			
	Explanation	Display order : The almost a sheet (most operation) Parameter Sheet(Operation) Create as vertical m Data Sheet			
		Last modified : : Auto-Input			
	Remark	Last updated by : : Auto-Input			
		- Target manu group			
		Input*: Input			
		Substitution value* : Substitution value			
		Reference* : Reference			
		Target menu group			

Figure 5.5-7 Parameter sheet (with operation) creation

Check that a parameter sheet has been added to the menu group specified in the "Input (menu group)" column, "Substitution value auto list (menu group)" column and "Reference (menu group)" column.

	ľ� Create Menu tion	
≡ Menu	DASHBOARD	
Main menu	Menu group	
Create/Define menu		
Menu definition information		
Menu creation history	Manageme··· Basic Console Export/Imp··· Symphony Conductor File control	
	File control-	
	Ansible-Leg Cobbler Terraform Input Substitutio Reference	e

Figure 5.7-6 Menu group for "Input", "Substitution value automatic registration"," Reference"

A) Menu group for input

A parameter sheet that can be maintained (register/update/abolition/restore) will be created.

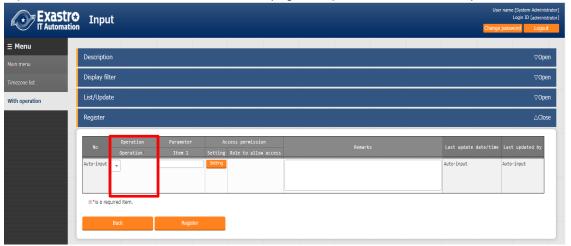


Figure 5.7-7 Parameter sheet created under menu group for input

B) Menu group for substitution value automatic registration

This is a menu for viewing only. The contents registered in the menu group for input will be displayed in the "list" submenu in operation units.

enu										Drange password Logo
	escription									⊽Öp
	isplay filter									∆Ck
eration	Discard	80				_	Operat	ion	Last update date/time	Last updated by
n	Only discarded records	• ~		10	Operation name	Referen	ce date	-	~	
		▼ Search from p	pulidown	Search from pulldown	 Search from pulldown 					▼ Search from pulldow
4		· ·								1
	Filter	Clear fi	ter							
	Auto-filter									
U	ist									Δd
	ist									۵۵
- 6				Operation			Parameter			
Li No s	_	Operation name	Reference d			Last run date		Remark ()	Last Modified⊜	∆Ck Last updated by
- 6	e ID e	Operation name		ate and time	Scheduled date	Last run date	Iten 10	Remark ()		Last updated by
- 6) ID (Operation name@ Operation	2020/01/01 00	ate and time⊕ 8:00	Scheduled date⊜ 2020/01/01 00:00	Last run date	tten 1⊕ String	Remark)	2020/01/01 00:00:00	Last updated by System Administra
- 6	e ID e	Operation name		ate and time 0:00 0:00	Scheduled date	Last run date	Iten 10	Remark ()		Last updated by System Administra System Administra

Figure 5.7-8 Parameter sheet created under menu group for substitution value automatic registration

C) Menu group for reference

This is a menu for viewing only. The settings enabled at the time of the specified date and time in the "Operation: Reference date and time" column of the "Display Filter" sub menu will be displayed in the "List" sub menu.

Exastro	Exastro Reference					
T Automation		Change password	Logout			
≘ Menu						
Main menu	Description		⊽0pen			
Timezone list	Display filter		∆Close			
With operation Operation	operation Reference date 2021/N2/22 10:35					
	Filter Dear filter Ø Auto-filter Image: Second Se					
	List		∆Close			
	Operation Parameter Operation name@ Reference date and time@ Scheduled date@ Last run date@ Item 1@ Last Wodified@ 1 Operation 2020/01/01 00:00 2020/01/01 00:00 Choice 2020/01/01 00:00					
	1 Operation 2020/01/01 00:00 2020/01/01 00:00 String 2020/01/01 00:00	00 System Admin	istrato			

Figure 5.7-9 Parameter sheet created under menu group for reference.

※If the filter button is clicked when the "Operation: Reference date" field in the "Display filter" submenu is blank, only the latest data in the "Reference Date" field for each operation will be displayed in the "list" submenu.

(3) If "Parameter sheet(with host/operation)" is selected in the "Creation target" column When creating a menu (parameter sheet/datasheet), if "Parameter sheet (with host/operation)" is selected in the "Creation target" column of the "Menu definition/create" menu (or "Menu definition list" menu), a parameter sheet will be created per host name.

Menu	Nem Grup Repeat Cannel Redo			
in menu	Iten 1 X	Menu creation information		
	String V	Basic information :		
eate/Define menu	Maximum number of bytes*	Id : Auto-Input		
	Regular expression	Menu name* :		
formation	Required Unique constraint	Creation target : Parameter Sheet(Host)O Display order* : Parameter Sheet(Host)O		
	Explantion	Oraate as hostgroud Data Sheet		
		Create as vertical menu 👔 : 🔳 Yes		
	Remark	Last modified : Auto-Input		
		Last updated by : : Auto-Input		
		Input* : Input		
		Substitution value		
		Reference*: Reference		
		Tatget menu group		

Figure 5.7-10 Parameter sheet (with host/operation) creation

Check that a parameter sheet has been added to the menu group specified in the "Input (menu group)" column, "Substitution value automatic list (menu group)" column, and "Reference (menu group)" column.



Figure 5.7-11 Menu group for "Input", "Substitution value automatic registration"," Reference"

A) Host group for input

A parameter sheet that can be maintained (register/update/abolition/restore) will be created.

Exastre IT Automatio	Input Otange password Otange password	idministrator] idministrator] Logout
⊒ Menu	Description	
Main menu	Desultani	⊽Open
Timezone list	Display filter	⊽Open
With operation	List/Update	⊽Open
Operation	Register	∆Close
Host operation menu	No Host name Operation Parameter Access permission Remarks Last update date/time Last updated by Operation Item 1 Setting Role to allow access	
	Auto-input V V V Auto-input Auto-input Auto-input	
	%*/s a required item.	
	Back Register	

Figure 5.7-12 Parameter sheet created under menu group for input.

B) Menu group for substitution value automatic registration

This is a menu for viewing only. The contents registered in the menu group for input will be displayed in the "list" submenu in operation units.

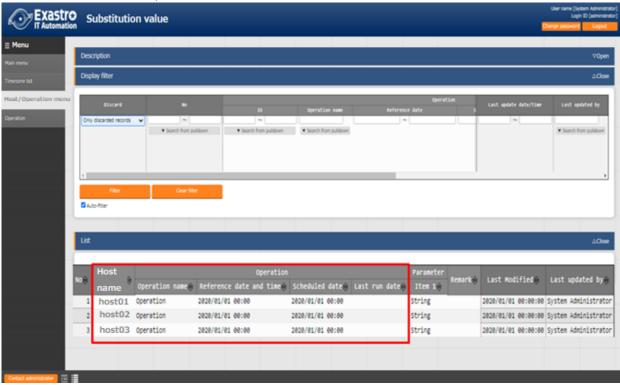


Figure 5.7-13 Parameter sheet created under menu group for substitution value automatic registration

C) Menu group for reference

This is a menu for viewing only. The settings enabled at the time of the specified date and time in the "Operation: Reference date and time" column of the "Display Filter" sub menu will be displayed in the "List" sub menu.

Display filter ΔClose Host make Operation Reference date 2012/12/222 11:15 * Starch from publisher	too menu	Exastro									n Administr (administr Logout
nemu Reference date Förr Courtor Terr Courtor	tor menu The first same operation Starth from publicer The Over Nor Reference data Starth from publicer Reference data Starth from publicer Starth from from from from from from from from										
menu Filer Over for Over for Cour for	co Son menu Teter Clar Nier Clar Nier Clar Nier Clar Nier		Description								⊽0pe
menu Filter Oner foor	Son menu Son menu Reference date Stauth from pulderni Reference date Stauth from pulderni Auto-fiter		Display filter								∆Clos
		ion menu	▼ Search from puldown	Reference date 2021/02/22 11:15							
			o Host name	Operation name@			1	Remarkiñ	Last Modified	Last update	ed bye
Host Operation Parameter Remark Last Modified Last updated by	No 🗑 👘 Remark 🔒 Last Modified 🖶 Last updated by		1 host01	Operation	2020/01/01 00:00	2020/01/01 00:00	String	_	2020/01/01 00:00:00	System Admini	istrat
No B Deration name@ Reference date and time@ Scheduled date@ Last run date@ Item 10 Item 10 Last Modified U Last updated by	Noe Deration name Reference date and time Scheduled date Last run date Item 1		2 host02	Operation	2020/01/01 00:00	2020/01/01 00:00	String		2020/01/01 00:00:00	System Admini	istrat
Host Operation Parameter Parameter Remarking Last Wodified in Last updated by 1 host01 Operation 2020/01/01 2020/01/01 00:00 String 2020/01/01 System Administration	None Operation name Reference date and time Scheduled date Last run date Item 1 Remark Last Modified Last updated by 1 host01 Operation 2020/01/01 00:00 2020/01/01 00:00 String 2020/01/01 00:00 System Administrat										

Figure 5.7-14 Parameter sheet created under menu group for reference

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is blank, only the latest data in the "Reference Date" field for each operation will be displayed in the "list" submenu.

(4) Select "Parameter sheet (with host/operation)" in the "Create target" column

If "Create as host group menu" is checked in the checkbox.

When creating a menu (parameter sheet/datasheet), "Parameter sheet (with host/operation)" in the "Creation target" column of the "Menu definition/create" menu (or "Definition menu list" menu).

If the "Use" checkbox in the "Create as host group menu" column is checked, a parameter sheet will be created for each host name/host group name.

Exast IT Automa	EXASTIO Create Menu			User name (System Administrator) Login ID (administrator) Otange password Loged.	
<u> ⊟</u> Menu	item Group Repeat Cancel Redo				
Main menu	Ites 1 x				Menu creation information
Create/Define menu	String V				- Basic information : Materingut
	Maximum number of bytes*				Non tame* :
Menu definition information	Regular expression				Creation target : Recaretor Sheet/Host/Operat v
Menu creation history					Display order* : 1
He o deboi hou y	Explanation				Create as hostgroup menu : 💆 Yes Create as vertical menu 🐌 : 📕 Yes
-	Remark				Last modified : : Auto-input
-					Last updated by : : Auto-input
					- Target menu group Input* : Input
-					Substitution value*: Substitution value
					Reference* : Reference
					Target meru group

Figure 5.7-15 parameter sheet (create as host group menu) creation

Check that a parameter sheet has been added to the menu group specified in the "Input (menu group)" column, "Substitution value automatic list (menu group)" column, and "Reference (menu group)" column.



Figure 5.7-16 Menu group for "Input", "Substitution value automatic registration", and "reference" Menu group Exastro-ITA User Instruction Manual Menu Creation Function 42 / 87

A) Menu group for input

A parameter sheet that can be maintained (register/update/abolition/restore) will be created.

Exastro	User name (System Adminis Login 10 judnisis Dange password Login	strator)
<u>≡</u> Menu		
Main menu Timezone list	Display filter 70p	-
With operation	List/Update	æ
Operation Host operation menu	UpdateDiscard Host name/Host group name Decode Decode Decode Last modified Last modified Last updated bit UpdateDiscard 1 [H6]groupA 1 operation01 2020/11/01 2100 2020/12/04 18155107 System administration Update Discard 2 [H6]groupB 2 operation02 2020/12/02 12100 2020/12/04 18155127 System administration Update Discard 2 [H6]groupB 2 operation02 2020/12/02 12100 2020/12/04 18155127 System administration Update Discard 3 operation02 2020/12/02 12100 2020/12/04 18155127 System administration Update Discard 3 operation02 2020/12/02 12100 2020/12/04 18155127 System administration	ntor tor
	Register ACIo	æ
	No Operation Parameter Access permission Remarks Last update date/time Last update date/time <thlast date="" th="" time<="" update=""> Last update date/t</thlast>	
	R*'s a required item.	
	Back Register	

Figure 5.7-17 Parameter sheet created under menu group for input

In the "Host name/host group name" column of the "Registration" sub menu, the host group name will be displayed as [HG] at the beginning of the name. The host name will be displayed as [H] at the first of the name.

Register			
No	Host name/H	ost group name*	Operation Operation*
Auto-input			-
	[HG]groupA		
	[HG]groupB		
is a re≫	[HG]groupC		
	[H]host01		
	[H]host02		Desister
	[H]host03		Register

Figure 5.7-18 "Host name/host group name" column

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B) Menu group for substitution value automatic registration

This is a menu for viewing only. The contents registered in the menu group for input will be displayed in the "list" submenu in operation units.

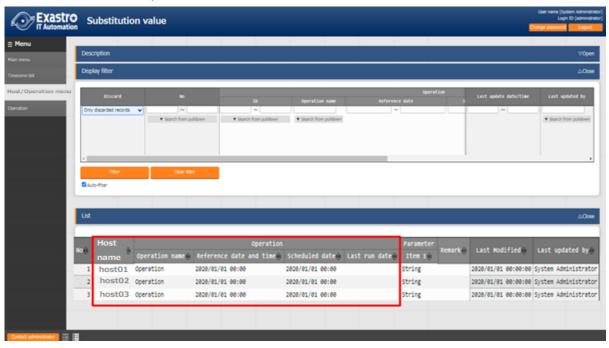


Figure 5.7-19 Parameter sheet created under menu group for substitution value automatic registration.

C) Menu group for reference

This is a menu for viewing only. The settings enabled at the time of the specified date and time in the "Operation: Reference date and time" column of the "Display Filter" sub menu will be displayed in the "List" sub menu.

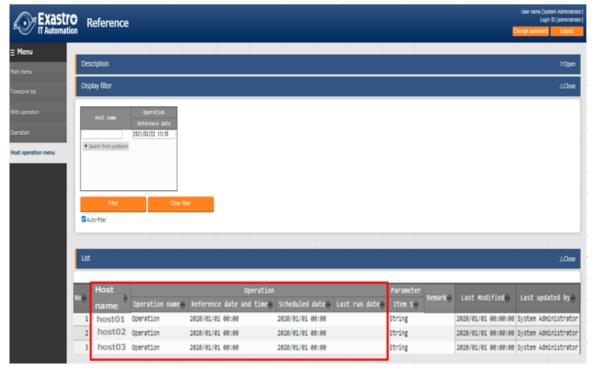


Figure 5.7-20 Parameter sheet created under menu group for reference

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☆If the filter button is clicked when the "Operation: Reference date" field in the "Display filter" submenu is blank, only the latest data in the "Reference Date" field for each operation will be displayed in the "list" submenu.

(5) Select "Parameter sheet" in the "Creation target" column

If "Create as vertical menu" is checked in the checkbox.

When (parameter sheet/datasheet) menu is creating, select "Parameter sheet (with operation)" and "Parameter sheet (with host/operation)" in the "Creation target" column of the "Menu definition/create" menu (or "Menu definition list" menu). If "Use" of "Create as vertical menu "column is checked in the checkbox, a vertical parameter sheet is created where the created item is according to the number of REPEAT.

Menu	ten Grup	Repeat Cancel Redo		
n meru		X IP address X	tonain a	Menu creation information Basic information :
ate/Define menu nu definition rmation		Maximum number of bytes" Regular expression	Maximum number of bytes* Regular expression	Id : Auto-Input Menu name* : Oration larget : Parameter Sheet(Hod,/Opera
u creation history) Espty (Deputred Unique constraint	Required Unique constraint	Digåløy order* : Create as hostyroup menu : 11 VHS
	REPEAT 1	Remark	Remark	Create as vertical menu 🕃 : 🦉 Yes Last modified : : Auto-Input Last updated by : : Auto-Input
				Target menu group
				Input*: Input Substitution value*: Substitution value

Figure 5.7-21 parameter sheet (Create as vertical menu) creation

Ex) Parameter list included in hosts file

As shown in the hosts file below, it is possible to use the parameter sheet to register the "IP Address and "Domain" four times repeatedly.

hosts			• 1	×
1	11. 11. 11. 11 tes	t1. com		7
2	22. 22. 22. 22 tes	t2. com		
3	33. 33. 33. 33 [^] tes	t3. com		
	44. 44. 44. 44 tes			Į
¢ 📖			>	
	4 17 22 87 CRLF	5.85	REC	

Figure 5.7-22 hosts file

Check that a parameter sheet has been added to the menu group specified in the "Input (menu group)" column, "Substitution value automatic list (menu group)" column, and "Reference (menu group)" column.

Exastr IT Automati	Create Menu	
≡ Menu	DASHBOARD	
Main menu	Menu group	
Create/Define menu Menu definition information	🔅 🔅 📰 🕬 🖏	
Menu creation history	Manageme··· Basic Console Export/Imp··· Symphony Conductor Fil	ile control…
	いして、 	Â
	File control… Create Menu HostGroup… Ansible Co… Ansible-Leg… Ar	nsible-Pio…
	Ansible-Leg-	Reference

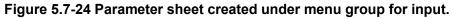
Figure 5.7-23 Menu group for "Input", "Substitution value automatic registration", "Reference"

A) Menu group for input

A parameter sheet will be created that can be maintained (register/update/abolition/restore) on host name unit. (If the host group user checkbox is checked, maintenance can be performed for each host group name unit.)

For registered "host name" and "operation" combinations, it is possible to set multiple parameters by entering the "Substitution order" column.

Exastro IT Automation	Input		Uter name (System Admin Login 10 (admin Dhange password Login
lenu	2 A A		
ren	Description		70p
one list	Display filter		7 0 p
peration	List/Update		∆Co
ton		Operation Operation name Reference date Scheduled date for execution 1 operations1 2009/11/01 12:00 2009/11/01 12:00	Parameter IP address Domain, 1 11.11.11.11 test1.com 2020/12/08 15:06:54 seem denome
operation menu	the Class 3 hostel	1 operation81 2828/11/01 12:08 2028/11/01 12:08 1 operation81 2020/11/01 12:08 2020/11/01 12:08 1 operation81 2020/11/01 12:08 2020/11/01 12:09	2 22,22,22,22 test2.com 2020/12/08 15107/15 symmetri Administration 3 33,33,33,33 test3.com 2020/12/08 15107/15 symmetri Administration 4 44,44,44.44 test4.com 2020/12/08 15107/15 symmetri Administration
	Register		ΔΟ
	No Host name	Operation Operation	Parameter IP address Domain
	Auto-input *	•	
	R*is a required item.		
	Back	Register	



*Users can only register substitute orders between 1~4 for the "4:REPEAT" settings.

Ex) If the user attempt the registration above without using the vertical menu (1) Users cannot set more than one parameter for a registered host name and operation combination.

Exastro	Input				Uterna	me (System Administrator) Login ID (administrator)
T Automation	Tubar				Oange pa	sword Logant
≣ Menu						
Nain menu	Description					⊽Open
Timestare list	Display filter					⊽Open
With operation	List/Update					∆Oose
Operation	Updatescard to a Host r	Operation		Parameter	- 1	
Without vertical		IDe operation name Reference date Scheduled (late for executio	IP adress Domain		
menu	host81	1 operation81 2020/11/01 12:00 2020/11/01 1	1:00	11.11.11.11 test1.com	2020/12/08 15:52:14	System Administrator
	Durieter					1
	Register					2Close
		Operation		Par	ameter	
	No Host nume	Operation		IP address	Domain	
	Auto-input host01 *	2020/11/01 12_00_1:operation01 *	ĺ	22.22.22.22	test2.com	
	If "is a required tem.					
	Bat	Register				

Figure 5.7-25 Parameter sheet created under menu group for input

When "11.11.11.11" and "test1.com" are already set for the combination "host01" and "operation01", if you try to set "22.22.22.22" and "test2.com" in the same way, an error will occur.

Ex) If the user attempt the registration above without using the vertical menu (2)

If the user wants to set multiple parameters for a registered combination of "host name " and "Operation", it can be done by increasing the number of items. However, the parameter sheet will be displayed horizontally and the visibility will be poor.

enu	Item Group Repeat Cancel	Redo				
ienu	IPaddress_1	Domain_1 ×	IPaddress_2	Domain_2 ×	IPadress_3 🖉	Menu creation information
/Define menu	String 🗸	String 🗸	String 🗸	String 🗸	String 🗸	Basic information :
Jenne menu	Maximum number of bytes* 124	Maximum number of bytes* 124	Id : Auto-Input			
inition	Regular expression	Regular expression	Regular expression	Regular expression	Regular expression	Menu name* : Use for parameter she
on	☑ Required □ Unique constraint	☑Required □Unique constraint	Creation target : Parameter Sheet(Host/C Display order* : 1			
ation history	Explanation	Explanation	Explanation	Explanation	Explanation	Create as hostgroup menu : 🔲 Yes
	Remark	Remark	Remark	Remark	Remark	Create as vertical menu (2): Ves
						Last updated by : : Auto-input Target menu group Input : Input Subsitution value Reference: Reference:

Figure 5.7-26 "Menu defination/creation" menu

XIt is possible to set parameters > created items in the "Menu definition/creation" menu in the "Create menu" menu group.

Exastr	Input								em Administrator) 10 (administrator)
T Automati	on							Change password	Logout
⊒ Menu	_								
Main menu	Description								⊽0pen
Timezone list	Display filter								⊽Open
With operation	List/Update								∆Close
Operation	Updete Bincard Hand	Operation					Parameter		
Without using		Deration name Reference date Scheduled date/time	IPadress_1	Domain_1	.IPadress_2	Domain_2	.IPadress_3	Updated time	
vertical menu	enter 1 hostël	1 operation@1 2020/11/01 12:00 2020/11/01 12:00	1.11.11.11	test1.com	22.22.22.22	test2.com	33.33.33.33	2020/12/08 16:07:29	
	()

Figure 5.7-27 Parameter sheet created under menu group for input.

%For the case above, Items up to "IP Adress_4" and " Domain_4" are created. Items after that are not created.

Also, because there are no items, users cannot register content ("55.55.55", "test5.com") that corresponds to "IP address_5" or "domain_5" for the same combination of "host name" and "operation".

If you want to create a parameter sheet that repeats the same item, as in the hosts file, we recommend that you use the vertical menu. (Vertical menus cannot be used for data sheets.)

B) Menu group for substitution value automatic registration

This is a menu for viewing only. The contents registered in the input menu group are displayed in the "List" sub menu in a format that is automatically converted from the vertical menu to the normal menu (horizontal display).

Descriptio									
Display fil	ter	_							
List									
Noé					Parameter				Last updated
	IP address	Domain	IP address2	Domain2	IP address3	Domain3	IP address4	Domain4	date/time
1	11.11.11.11	test1.com	22.22.22.22	test2.com	33.33.33.33	test3.com	44.44.44.44	test4.com	2020/12/08 15:07:57
4									

Figure 5.7-28 Parameter sheet created under menu group for substitution value automatic registration.

For each combination of "host name " and "operation", the registration contents will be displayed in one line.

"Item name [Repeat number]" will be displayed in the parameters.

C) Menu group for reference

This is a menu for viewing only. The settings enabled at the time of the specified date and time in the "Operation: Base date and time" column of the "Display Filter" sub menu will be displayed in the "List" sub menu in combination of "Host Name" and "Operation".

Exastro	Reference									User name (Syster Login IX Thange password	m Administ D (administ Logout
-	Description										⊽0pe
	Display filter										∆Cle
on Son menu	Host name	Operation Reference date 3921/82/22 11:15 Cour fit	N								
	List										∆Clos
	Host name	Operation name@	Reference da	Operation te and time@		ee Last run datee	Parameter Item 10	Remarké	Last Modified@	Last updat	ed by
	1 host01	Operation	2020/01/01 00	:00	2020/01/01 00:	8	String		2020/01/01 00:00:00	System Admin	istrat
	2 host02	Operation	2020/01/01 00	:00	2020/01/01 00:	60	String		2020/01/01 00:00:00	System Admin	istrat

Figure 5.7-29 Parameter sheet created under menu group for reference

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XIf the filter button is clicked when the "Operation: Reference date" field in the "Display filter" submenu is blank, only the latest data in the "Reference Date" field for each operation will be displayed in the "list" submenu.

6 "Create Menu" menu group hidden menus

6.1 Register a column group using [Column group list]

During installation, the Column group list menu will not be displayed.

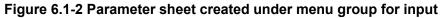
The column groups of sheets that belong to the menu to be created can be maintained (View/Update/Discard/restore).

Exastro	Create Menu		tem Administrator] 1D (administrator) Logout
∃ Menu	List/Update		∆Close
Main menu	Upd Disc No. Column group Permission Remarkstast updated date Last updated		
Create/Define menu	Upd Dis 2 group 1 2020/12/09 11:14:48 Upd Disc 3 · group 2 1028/12/09 11:14:48		
Menu definition information	Upd Disc 4 group1/group2 2020/12/09 11:19:43 Upd Disc 5 group 3 2020/12/09 11:19:43		
Column group list	Excel output		
	Register		∆Close
	No Column group n. Remarks	ast Upd pdated by	lated
	Auto, set		uto put
	No. Column group n. Permission role Remarks u Autor	Auto Au	lated Ito

Figure 6.1-1 "Column group list" menu

A column group is a group that displays the heading portion of a menu item. The menu creation function allows users to create a column groups of items that they want to create. The red marked frame in the following example is the column group that can be created by the menu creation function

Exastre	nput					e (System Admin Login ID (admin word Logo
nu	Duracializa					
u .	Description					70;
¢	Display filter					7 0 7
tion	List/Update					70;
	Register					∆0
ation menu	Operation	Group1	Parameter	Group3		
nn group	No Operation		Item 3	Item 4	Last modified La	st update
	Auto +					uto nput
	∺ts a required item.					
	Back Register					



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Item name	Description
Column group	The name of the parent column group and the column group will be displayed as a $\lceil / floor$
	connection.
	※Displayed in the "List/Update" sub-menu.
	With "Update" and "abolition/restore" button.
New column group	Select the parent column group from the pull-down.
	%Displayed in the "Update" button and "Register" sub menu of the "List /Update" sub menu
Column group	Enter the column group name
name	%Displayed in the "Update" button and "Register" sub menu of the "List /Update" sub menu
Remarks	Free description field

Table 6.1-1 "Column group list" menu configuration value

The following checks are performed at the time of updating/discard.

- ① The data itself cannot be selected as a parent column group.
- ② If it is specified in the parent group of other data, it cannot be discarded.
- ③ A parent-child relationship that results in a loop relationship cannot be set. (If the parent-child relationship is A⇒B⇒C, C cannot be specified as the parent of A.).

6.2 Register items to be set using [Menu item creation information]

During installation, the Column group list menu will not be displayed.

The items managed in the parameter sheet or data sheet menu to be created can be maintained (View/Update/Discard/restore).

Description									
Display filter									
			-						_
Discard									
Exclude discarded records ~]~[[] ~ [~	
	▼ Search from pulldown	▼ Search from pulldown	▼ Search from pulldown	 Search from pulldown 	▼ Search from pulidown	 Search from pulldown 	▼ Search from		▼ Search from p
¢									1
Filter	Clear filter								Table
Auto-filter	, 								
List/Update									
List/Update Register									
	: Item name	Display order	Required	Unique	Column group	Input meti	10d*	Lest update date	
Register 16 Menu name	• Ites name*							Maxim Lest update date/ Auto-input	
Register 14 Menu name	* Iten nane*		Requires		Column group		nod t	Maxim	'time Last upda
Register 16 Menu name	z Ites nanc ^a							Maxim	
Register Id Meha name	z Ites nanc ^a							Maxim	

Figure 6.2-1 "Menu item creation information" menu

Settings	Description
Menu name	Select the menu (parameter sheet/ data sheet) to link items from the pull-down.
Item name	Enter the item name to be displayed on the menu
	. $\$ Do not use \lceil/\rfloor in the item names. When \lceil/\rfloor is used, the
	Substitute value auto registration setting in each driver may not work properly.
Display order	Enter the order of the columns displayed in the menu. They are displayed in ascending
	order from the left.
Required	To make it a required item, select 「●」 from the pull-down menu.
Unique	To make it a unique item, select 「●」 from the pull-down menu.
Column group	Select the column group to which it belong from the pull-down menu.
Input method	Select "String", "Multi string", "Integer", "Decimal number", "Date", "Date/time", "Pull
	down selection" from the pulldown menu.
	When "String" is selected, the item is a text box with single line input.
	When "Multi string" is selected, the item is a text box with multiple line input.
	When "Integer" is selected, the item is a text box that only integer can be entered.
	When "Decimal number" is selected, the item is a text box that integer/decimal number
	can be entered.
	When "Date" and "Date/time" is selected, the item is entered by calendar selection.
	When "Pulldown selection" is selected, the item is a pulldown menu item.

S	ettings	Description					
	<u> </u>	If "Password" is selected, the item will be a text box where any text typed in the box will					
		be hidden with "•" (The text will only be displayed if the eye icon inside the frame is					
		pressed).					
		When "File upload" is selected, the item will contain 2 buttons. One where users can					
		browse and select files, and one called "Pre-upload".					
		When "Link" is selected, the entered URL will be a text box item that will be displayed					
		as a link.					
		※ About the trace history of the menu created with 「Pulldown selection」 is selected,					
		※ About the trace history of the menu created with "Pulldown selection" is selected, the supplement is described in [8.5 エラー! 参照元が見つかりません。」.					
		%The association target item in "Substitution value automatic registration setting" are					
		"String", "Multi string", "Integer", and "Decimal number". "Date/time", and "Date" can't be					
		associated. "Pulldown selection" can't be associated if the item of pulldown selection					
		are "Multi string", "Date/time", and "Date".					
String	Maximum	Enter the maximum number of bytes.					
	number of	The maximum size is 8192 bytes.					
	bytes	The byte count of half-width alphanumeric characters are equivalent to the number of					
	by too	characters.					
		For full-width characters, the number of characters x 3 + 2 bytes is required.					
		Required if "Input Method" is "String".					
		Can't be entered if "Input method" is "Multi string", "Integer", "Decimal number",					
		"Date/time", "Date", and "Pulldown selection".					
	Regular	If you want to check input values with regular expression, enter the regular expression.					
	expression	Example: For half-width numeric items of 0 bytes or more: /^[0-9]*\$/					
	CAPICSSION	For half-width alphanumeric characters of 1 byte or more://[a-zA-Z0-9]+\$/					
		Can't be entered if "Input method" is "Multi string", "Integer", "Decimal number",					
		"Date/time", "Date", and "Pulldown selection".					
	Default value	Input the default value of data that will be used when data is registered.					
	Delaut value	Make sure to not input a value that exceeds the set maximum byte size or a value that					
		does not match a regular expression.					
		When the menu's data is output as an Excel file, the default value will be set by default.					
Multi	Maximum	Enter the maximum number of bytes.					
string	number of	The maximum size is 8192 bytes.					
Sung	bytes	The byte count of half-width alphanumeric characters are equivalent to the number of					
	bytes	characters.					
		For full-width characters, the number of characters x 3 + 2 bytes is required.					
		Required if "Input Method" is "Multi String".					
		Can't be entered if "Input method" is "String", "Integer", "Decimal number", "Date/time",					
		"Date", and "Pulldown selection".					
	Regular	If you want to check input values with regular expression, enter the regular expression.					
	expression	Example: For half-width numeric items of 0 bytes or more: /^[0-9]*\$/					
	0,010001011	For half-width alphanumeric characters of 1 byte or more://[a-zA-Z0-9]+\$/					
		Can't be entered if "Input method" is "String", "Integer", "Decimal number", "Date/time",					
		"Date", and "Pulldown selection".					
	Default value	Input the default value of data that will be used when data is registered.					
		Make sure to not input a value that exceeds the set maximum byte size or a value that					
		does not match a regular expression.					
		uous nor matori a regulai expression.					

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Se	ttings	Description
		When the menu's data is output as an Excel file, the default value will be set by default.
Integer	Minimum	Enter the minimum value of the column.
	value	Integer value from -2147483648 to 2147483647 can be entered.
		The value will be -2147483648 if not entered.
		Please enter value smaller than the maximum value.
		Can't be entered if "Input method" is "String", "Multi string", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Maximum	Enter the maximum value of the column.
	value	Integer value from -2147483648 to 2147483647 can be entered.
		The value will be 2147483647 if not entered.
		Please enter value larger than the minimum value.
		Can't be entered if "Input method" is "String", "Multi string", "Decimal number",
		"Date/time", "Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Decimal	Minimum	Enter the minimum value of the column.
number	value	Integer value from -999999999999999 to 99999999999999 with total digit for whole
		number + fraction part less than 14 digits can be entered.
		The value will be -999999999999999 if not entered.
		Please enter value smaller than the maximum value.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Maximum	Enter the maximum value of the column.
	value	Integer value from -999999999999999 to 99999999999999 with total digit for whole
		number + fraction part less than 14 digits can be entered.
		The value will be 999999999999999 if not entered.
		Please enter value larger than the minimum value.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Digits	Enter the upper limit of the total digit for whole number + fraction part.
		Example: 0.123 has 4 digits (whole number 1 digit, fraction part 3 digits)
		11.1111 has 6 digits (whole number 2 digit2, fraction part 3 digits)
		Integer value from 1 to 14 can be entered.
		Can't be entered if "Input method" is "String", "Multi string", "Integer", "Date/time",
		"Date", and "Pulldown selection".
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Pulldown	Menu group:	Select the target to refer to from the created menu (parameter sheet/data sheet) from
selection	Menu: Item	the pull-down menu.
		If the "Input method" is "Pull-down selection", selection is required.
		XItems that satisfy the following conditions are displayed in the pull-down menu.
		"Host name" and "IP address" item of "Basic console" menu group "Device list"
		menu.
		menu.

Se	ttings	Description
		If Ansible driver is installed, "Ansible Common" Menu group's, File list" menu's "
		File embedded variable name" item and "Template list" menu's "Template
		embedded variable name" item.
		Items in which the input method of the menu (parameter sheet /data sheet)
		created by the function of the "Menu Creation" menu group is "string (single
		line)" , "string (multiple line)" , "integer" , "multiple line" , "integer," "number" ,
		"date and time" , "date" , "link" or "required" and "unique constraint."
	Default value	Select the data value that will be used by default when data is registered.
		Data registered to the set "Select item" will be selectable from the pulldown selection.
		When the menu's data is output as an Excel file, the default value will be set by default.
Password	Maximum	Enter the maximum number of bytes.
	numbers of	The maximum is 8192 bytes.
	bytes	For half size alphanumeric characters, it is the number of characters.
		For full size characters, you will need (The number of characters) x 3 + 2bytes.
		If the "input method" is "password", it is required to enter it.
File	Maximum	Enter the maximum number of bytes of the file to upload.
upload	numbers of	The maximum is 4294967296 bytes.
	file	If the "Input method" is "File upload", it becomes an required item.
Link	Maximum	Enter the maximum number of bytes.
	numbers of	The maximum is 8192 bytes.
	bytes	For half size alphanumeric characters, it is the number of characters.
		For full size characters, you will need (The number of characters) x 3 + 2bytes.
		If the "input method" is "password", it is required to enter it.
	Default value	Input the default value of data that will be used when data is registered.
		Make sure to not input a value that is within the set maximum and minimum byte size.
		When the menu's data is output as an Excel file, the default value will be set by default.
Parameter	Menu group:	Select the reference item from the selected menu.
sheet	Menu: Item	Items with the following input methods can be selected:
reference		"String", "Multistring", "Integer", "Decimal number", "Time", "Date", "Password", "File
		upload", and "Link".
		%Menus that uses "Parameter reference" might have their value displayed in brackets
		when searching for them with the display filter.
		For more information, please see chapter 8.12.
Description		Enter the description that will be displayed when users hover mouse cursor over the
		item name.
Remarks		Free description field

<u>%Make sure not to edit items directly from the "Menu item creation information" menu.</u>

Doing so can create inconsistencies with the data when it is later updated through the "Menu definition/ creation" menu.

6.3 Vertical registration using [Vertical menu creation information]

Users can select the menu and start item name of the parameter sheet to be created, and specify the number of items and the number of repetitions for vertical management display. (※) Vertical menus cannot be used for data sheets.

XaStro Cre	ate Menu							User na	me [System Administra Login ID [administra
tomation								Change pas	sword Logout
Description									⊽Оре
Display filte	er								∆Clos
Dis	scand	Id	Menu name: Start item name	Number of items	Repetition count	Remarks	Last update date/time	Last updated by	
xclude disca	inded records \checkmark	▼ Search from pulidown	Search from pulldown	▼ Search from pulidown	▼ Search from pulidown	Search from pulidown	~	Search from pulldown	
	Filter	Clear filter							
Auto-filter			-						
List/Updat	te								⊽Op
Register									∆Clos
Id M	lenu name: Start it	tem name* Number of ite	ms* Repetition count*	Remark	5	Last update date/time	Last updated by		
Auto-input	*					Auto-input	Auto-input		
*is a requi	ired item.								
	Back	Register							
Download a	all and edit file up	loads							⊽Ope
Trace histor	ry								⊽Ope

Figure 6.3-1 "Menu (vertical) creation Information" menu

Item name	Description
Menu name: Start item	Select menu and start item name of the parameter sheet from pull-down
name	menu.
Number of items	Enter the number of items from the start item.
Repetition count	Enter the number of repetition count in the vertical display.
Remarks	Free description field

Example) Manage the parameters described in the hosts file.

hosts File

1096	Received	م ب ال م م م م ال م		D	1
1	11. 11. 11	.11 test1.	com		1
2	22. 22. 22	2. 22 test2.	com		
		3. 33 test3.			1
Ă		. 44 test4.			
	44. 44. 44	. 44 10014.	COMPLECIT		
. ×					

Figure 6.3-2 hosts file

When specifying IP address + domain name in set as described above , use \lceil Vertical menu (vertical) creation information \rfloor and by setting the menu name: start item name to \lceil role: IP address \rfloor and specify the number of items as $\lceil 2 \rfloor$ and repetition count as $\lceil 4 \rfloor$, vertical display conversion is performed as below becoming more readable and management becomes easier.

Vertical menu creation information

Update	Discard	Id⇔	Menu name: Start item name⇔	Number of items⇔	Repetition count⊖	Remarks⇔	Last update date/time⇔	Last updated by⇔
Update	Discard	1	laravel:create	2	4	cACAScscs	2020/02/17 11:24:51	System Administrator

Table 6.3-3 "Menu (vertical) creation Information" menu



Figure 6.3-4 Parameter sheet created under menu group for substitution value automatic registration

Counting from the specified IP address, the items until the second item domain name is displayed

Vertical display

No	No.A. Host pare		Operation				Input order⇔	Parameter		Remarks⇔
NO	No⊜ Host name⊜	ID⇔	Operation name \Leftrightarrow	Reference date⇔	Scheduled date for execution⇔	Last execution date⇔	input order⊖	IP address 1⊖	Domain 1⊖	
1	Cloud	2	legacy	2020/02/13 16:27	2020/02/10 14:31	2020/02/13 16:27	1	11.11.11.11	test1.com	
2	Cloud	2	legacy	2020/02/13 16:27	2020/02/10 14:31	2020/02/13 16:27	2	22.22.22.22	test2.com	
3	Cloud	2	legacy	2020/02/13 16:27	2020/02/10 14:31	2020/02/13 16:27	3	33.33.33.33	test3.com	
4	Cloud	2	legacy	2020/02/13 16:27	2020/02/10 14:31	2020/02/13 16:27	4	44.44.44.44	test5.com	

The parameter for the 2 items is displayed vertically for 4 times repeatedly.

Figure 6.3-5 Parameter sheet created under menu group for reference

6.4 Registering unique constraints in the "Unique constraint(multiple items)"Menu

This menu is hidden by default when installing ITA.

In this menu, users can administrate (See/Update/Abolish/Restore) unique constraints for user-created menus (Parameter sheets/Data sheets).

Exastr IT Automati	3 メニュー作成	ようこそ(システム管理者)さん ログインID [administrator] ノバスワード変更 ログアウト
≡ Menu		
メインメニュー	1009	▽開 <
メニュー定義・作成	表示フィルタ	⊽≣<
メニュー定義一覧	一覧/更新	△閉じる
カラムグループ管理	アクセス推	
メニュー項目作成情報	配置 表製 更新 東止 現美 メニュー名 = 一部前(表数項目) = アクセス許可ロール = のたまいのの = 100 (表数項目) = アクセス許可ロール = 2021(47/12 16/126/13) 5ステム監督者	
メニュー(縦)作成情報	Control Contro Control Control Control Control Control Control Control Control	
一意制約(複款項目)作成情報	フィルタ帳面件数: 2	
メニュー作成実行	Excelsi(/)	
メニュー作成届歴		
メニュー・テーブル紐付		
他メニュー連携	위 · · · · · · · · · · · · · · · · · · ·	_0803
メニュー縦横変換管理	現番 メニュー名・ 一意知ら(者取項目) 20セス2時 2011 -	新日時 最終更新者
参照項目情報		り、自動入力
	※"体总须须目です。	
	P2. 88	
管理者に連絡 🔲 🗮		

Figure 6.4-1 "Unique constraint(multiple items) creation information" menu

The unique constraint functions controls what combination of items with the same content can be registered in user-created menus.

-覧/更新											
髭歴 複製 更新	廃止 項番		一意制約(複数項目)令	アクセス権 アクセス許可ロール⇔	備考令	最終更新日時令	最終更新者⇔	Г	「一意制約(複数	項目)作成情報	٦
認思 複製 更新		3 menu002	9,10			2021/07/12 16:26:3			メニューの		
<u>報報</u> 複製 更新	廃止	4 menu002	11,12			2021/07/12 16:26:3	8 システム管理者				
		展歴 様間 2 フィルタ結果件数		8E 26 74E 30 74E 40 8E CCC 000		キ可ロール会	終更新日時會 最終 /07/12 16:44:53 システ	更新者⊕ ●厶管理者		攻項目)を設定し の登録データ	△閉
		登録				項目 1(ID:9)」と じ組み合わせのレ					△閉
		[(項目 1),(項目	重複しています。 重複先レコ	/		項目 3(ID:11)」 と じ組み合わせのレ	- コードを登録				
		No	項目 1 項目	2 項目 3		項目 4	クセス権 セス許可ロール		備考	最終更新日時	最終更新
		自動入力 (AAA <	BBB	000	DDD	502				自動入力	自動入力
		***は必須項目	77. 28	登録							



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Setting item	Description
Menu name	Select the menu's unique constraint you want to configure by choosing from the pulldown menu.
Unique constraint(multiple items)	Input the combination of items you want for the unique constraint. Separate the item IDs by commas. The item ID corresponds to the numbers found in the "Menu item creation information" menu.

Table 6.4-1 "Unique constraint(multiple items) creation information" menu setting values

6.5 Create parameter sheet/data sheet using "Create menu"

During installation, the Column group list menu will not be displayed. Create a menu (parameter sheet/datasheet) in the menu group specified in the "Menu Definition List" menu.

If a role is selected, the menu definition will only be accessible by the selected role. Created menus (Parameter sheets/ data sheets) can only be accessed by the selected role according to the settings in the "role/menu link list" menu.

If no role is selected, the menu definition will be accessible to all roles, and the created menu (Parameter sheets/ data sheets) will be accessible to only to the System administrator role and the role group of the user who created the menu (According to the role/menu link list" menu.

The menu (parameter sheet/ data sheet) that has been set for each item will be displayed in the "Create menu" sub menu. Check the menu you want to create and press the "Start menu creation" button.

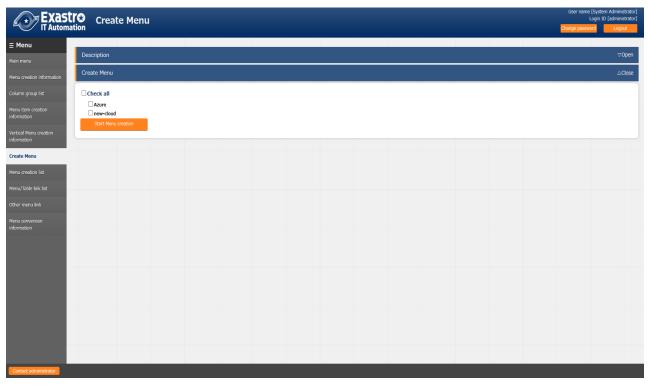


Figure 6.5-1 "Menu creation execution" menu

If a menu (parameter sheet/data sheet) with the same name has already been registered, or if a menu

with the same item number in the "Menu Definition List" menu exists, the menu will be overwritten and the entered data will be deleted.

If you need the registered data, please select 「Cancel」 and back up the data

If the <code>「OK」</code> button in the confirmation dialog is clicked, the create request will be accepted.

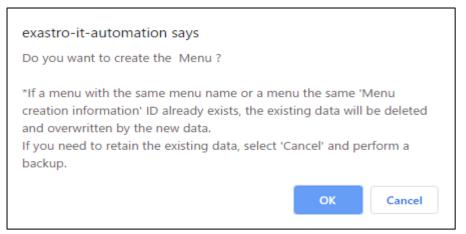


Figure 6.5-2 Menu creation check dialog

When you click the \lceil Menu Creation list \rfloor button, the screen changes to \lceil Menu Creation list \rfloor menu, which is displayed in a state filtered by \lceil ID \rfloor .

	Create Menu	User name [System Administrator] Login ID [administrator] Change password Logout
≡ Menu		
Main menu	Description	⊽Open
Menu creation information	Create Menu	∆Close
Column group list	Menu creation was accepted.	
Menu item creation information	Menu Menu	
Vertical Menu creation information		
Create Menu		
Menu creation list		
Menu/Table link list		
Other menu link		
Menu conversion information		
Contact administrator		

Figure 6.5-3 "Menu creation history" button

7 Application operation

Operation that utilize the Menu creation function include not only user input from the browser screen of the client PC, but also system operation and maintenance. The operation and maintenance are as follows.

- Maintenance
- Change log level

7.1 Maintenance

The following files are required to Start/Stop/Restart the process of the Menu creation function.

Description	Target file name
Menu creation function .this function creates a parameter	ky_create_param_menu_execute.service
sheet menu based on the information entered in the web	
Menu update function for linking with other menus	ky_createOtherMenuLink.service
This is a function to create items to be displayed in the pull-	
down menu of 「Menu group: Menu: Item」 in the 「Menu	
item creation information」menu.	

The target file is located in [<installation directory>/ita-root/backyards/create_param_menu] and a link is created in [/usr/lib/systemd/system]. Please do not delete them.

The method of Starting/Stopping/Restarting a process is as follows. Please execute the command with root permission.

① Start the process

systemctl start ky_create_param_menu_execute.service ↔

② Stop the process

systemctl stop ky_create_param_menu_execute.service ←

③ Restart the process

systemctl restart ky_create_param_menu_execute.service ↔

7.2 Change log level

- Change to NORMAL level Rewrite 「DEBUG」 to 「NORMAL」 on the 8th line of the target file . Local level setting file: <u><installation directory>/</u>ita-root/confs/backyardconfs/ita_env
- ② Change to DEBUG level Rewrite 「NORMAL」 to 「DEBUG」 on the 8th line of the target file Local level setting file: <u><installation directory></u>/ita-root/confs/backyardconfs/ita_env

After rewriting the file, effect takes place after the process is (restart).

For restarting, refer to [7.1 Maintenance]. Log file output destination: <i not file output destination similarity similarity <a href="mailto:simi

8 Appendix

8.1 Placing PHP files

XIf the ITA web server is on the same server as BackYard, the parameter management menu will be added by the previous operation. However, if the web server is on a different server from BackYard, the created menu is not displayed because the files are not automatically arranged. PHP files must be manually placed on the web server so that they can be displayed on the web.

Status of PHP file placement ^Lita-root |-webconfs | ^Lsheets | | | -XXXXXXXXX_loadTable.php(XXXXXXXXXX Menu ID) | |

Method to place PHP file

(1) Download the zip file from 「Menu creation list」 or 「Master creation list」.

Id⇔	Menu name⊜	Status⇔	Menu file	Created menu	Remarks⇔	Last update date/time⇔	Last updated by⇔
1	new-cloud	Completed	0000000001.zip	Created menu		2020/02/14 15:47:35	Create Menu procedure

(2) After unzipping the Zip file, place the 「XXXXXXXXX loadTable.php」 file in the /ita-

root/webconfs/users/ on the web server with root user permission using WinSCP, etc.

XXXXXXXXXX: Menu ID (From left 0 is filled with 10 digits) . \rightarrow 10 digits with0 filled on the left if there are multiple $XXXXXXXXX_loadTable.php_l files, place them all.$

8.2 Menu / Table link list

A menu that displays the link between the created menu and the DB table

The menu is set hidden during installation. The menu is used by BackYard so no user operation can be performed. Even if you change the link directly after creating the menu, this menu will not change.

	Create Menu	Jser name [System Administrator] Login ID [administrator] nge password Logout
≡ Menu		
Main menu	Description	⊽Open
Menu creation information	Display filter	∆Close
Column group list	Discard Id Menu group:Menu Table name Primary key Table name (history) Remarks Last update date/time Last updat	ed by
Menu item creation information	Exclude discarded records v v v v v v v v v v v v v v v v v v v	pulldown
Vertical Menu creation information		
Create Menu	Filter Clear filter	
Menu creation list	2 Auto-After	
Menu/Table link list		
Other menu link	List	∆Close
Menu conversion information	100 Menu group::Menu @ Table mane@ Primary key@ Table mane@ Intermate test: 11 Intermate test: Function Function Function Function Function 2 Intermate test: Intermate test: Function Fun	
	Download all	⊽Open
Contact administrator		

Figure 8.2-1

Table	021
Table	8.2-1

Item name	Decription					
Menu group: Menu name	Menu name associated with DB.					
Table name	Name of the created table.					
Primary key	Primary key of the created table.					
Table name(history)	The name of the created history table.					
Remarks	Free description field					

8.3 Link with other menus

Displays the link between the created menu item name and the DB column name.

The menu is set hidden during installation. The menu is used by BackYard so no user operation can be performed. Even if you change the link directly after creating the menu, this menu will not change.

Exast IT Automa	Create Menu									System Administrator] ogin ID (administrator) rd Logout
≡ Menu										
Main menu	Description									⊽Open
Menu creation information	Display filter									∆Close
Column group list	Discard	Id	Menu group:Menu	Table name	Primary key	Table name (history)	Remarks	Last update date/time	Last updated by	
Menu item creation information	Exclude discarded records ~	▼ Search from pulldown	Search from pulldown	Search from pulldown	Search from pulldown	Search from pulldown	▼ Search from pulldown	~	Search from pulldown	
Vertical Menu creation information										
Create Menu	Filter	Clear filter								
Menu creation list	Auto-filter		-							
Menu/Table link list										
Other menu link	List									∆Close
Menu conversion information	16 Hena groupshena 1 spara,testimer-low 2 line-menuismer-low 9 silatest-tilinwitest 10 zine-menuissilmutest 11 spara,testifilmutest Filter result count: 5 Output Excel	F_KY_AUTO_TABLE_0002_H RC F_KY_AUTO_TABLE_0002_H RC F_KY_AUTO_TABLE_0003_H6 RC F_KY_AUTO_TABLE_0003_H RC	N_ID F_KY_AUTO_ N_ID F_KY_AUTO_ N_ID F_KY_AUTO_ N_ID F_KY_AUTO_	ec (pistory) @ Rear 7481£,0002,14,314 17481£,0002,14,314 17481£,0003,145,314 17481£,0003,14,314 17481£,0003,14,314	 Last update date 2020/02/14 15:47:3 2020/02/14 15:47:3 2020/02/14 15:46:3 2020/02/14 15:46:3 2020/02/14 15:46:3 	5 Create Menu proc 11 Create Menu proc 12 Create Menu proc	edure edure edure edure edure			
	Download all									⊽Open
Contact administrator										

Figure 8.3-1

Table 8.3-1 Item name Description Menu group Menu group name associated with DB. Menu Menu name of created parameter sheet or data sheet Item name The column name that is associated. Name of the created table. Table name Primary key Primary key of the created table. Column name The column name that is linked. Remarks Free description field

8.4 Menu conversion information

Displays the link of the menu that is converted to horizontal from the created vertical menu.

The menu is set hidden during installation. The menu is used by BackYard so no user operation can be performed. Even if you change the link directly after creating the menu, this menu will not change.

Exast IT Automa	Create Menu								name [System Administrator] Login ID (administrator) password Logout
≡ Menu									
Main menu	Description								⊽Open
Menu creation information	Display filter								∆Close
Column group list	Discard	Id	Conversion source menu name	e Conversion destination menu name	Purpose	Repeat starting column name	Number (Last update date/time	Last updated by
Menu item creation information	Exclude discarded records ~	✓ Search from pulidown	Search from pulldown	Search from pulldown	Search from pulidown	Search from pulldown	▼ Search fr	~	Search from pulldown
Vertical Menu creation information									
Create Menu	<								>
Menu creation list	Filter	Clear filter							
Menu/Table link list									
Other menu link	List								∆Close
Menu conversion information	Id⊜ Conversion source menu	ı name≑ Conversion desti	nation menu name⊖ Purpose€	Repeat starting column name≑ No	mber of items⊜ Repet	ition count≑ Column/row conv	ersion complet	ted Last update date/time	:⊖ Last updated by⊖
	1 2:Host:9:laravel	3:Vertical:10:lara		KY_AUTO_COL_0013	2	4 1		2020/02/17 13:15:47	Create Menu procedure
	2 3:Vertical:10:laravel	2:Host:9:laravel	For Host	KY_AUTO_COL_0013	2	4 1		2020/02/17 13:39:04	Create Menu procedure
	Filter result count: 2								
	Output Excel								
	Download all								⊽Open
	Trace history								⊽Open

Figure 8.4-1

Table 8.4-1

Item name	Description				
Conversion source menu name	The vertical menu name of the source.				
Conversion destination menu name	Horizontal menu name of the destination.				
Use	The purpose of the sheet menu.				
Repeat start column	The name of the repeat start item of the horizontal menu				
Number of items	The number of items in the horizontal menu.				
Number of repetitions	The number of repetitions of the horizontal menu.				
Vertical and horizontal converted flag	Specify the vertical and horizontal converted flag.				
Remarks	Free description field				

8.5 Selection 1

This menu administrates items that can be selected from pulldown menus (for item 1)

User name [System Admin Login ID [admin Exastre IT Automation **Create Menu** ∃ Menu ⊽Open Display filter △Close Role to allow acces Exclude discarded records 🗸 ~ ~ ▼ Search from pulldown ▼ Search from pulldown ▼ Search fr ▼ Search from pulldo Search from Selection 1 4 🗹 Auto-filter *List is displayed here.

This menu is hidden by default and does not allow for changes by user inputs.

Figure 8.5-1

Table 8.5-1

Item name	Description					
-(blank)	This item allows us to use "" in the pulldown menu.					

8.6 Selection 2

This menu administrates items that can be selected from pulldown menus (for item 1)

This menu is hidden by default and does not allow for changes by user inputs.

	Create Menu						User name [System Administrator] Login ID [administrator] inge password Logout
∃ Menu	Description						⊽Open
Main menu Create - Define menu	Display filter						∆Close
Menu definition information	Discard	Id	Yes-No	True-False	Access pa Role to al	Last update date/time	Last updated by
Menu creation history Selection 1	Exclude discarded records	▼ Search from pulidown	▼ Search from pulldown	▼ Search from pulldow	n ▼ Search fr]~	▼ Search from pulldown
Selection 2	Filter	Clear filter					
	List						∆Close
		Access permission	— Remarks⇔ Last u	pdate date/time⊖	Last updated by⊖		
	History 1 Yes Tru History 2 No Fal		2015/04	/01 10:00:00 Sj	ystem Administrator ystem Administrator		
	Filter result count: 2					I	
	Output Excel						

Figure 8.6-1

Tab	le	8.	6-'	1

Item name	Description
Yes-No	This item allows us to use "Yes" and "No" in the pulldown menu.
True-False	This item allows us to use "True" and "False" in the pulldown menu.

8.7 "Select item" from "Pulldown selection"

The items that can be selected from pulldown selections are as following

Menu group	Menu	ltem	Remarks
Management	Menu list	Menu group name + Menu	
Console		name	
	User list	Login ID	
Basic Console	Device list	Host name	
		IP address	
	Operation list	Operation name	
	Movement list	Movement name	
Symphony	Symphony class list	Symphony name	
Conductor	Conductor class list	Conductor name	
Ansible Common	File list	File embedded variable	Only if the Ansible drivers are
		name	installed.
	Template list	Template embedded	
		variable name	
Host group	Host group	Host group name	Only if the host group function is
Management	management		installed.

In addition to the ones above, Menus (Parameter sheet/Data sheet) that are created in the Menu group function that has either "String", "Multi string", "Integer", "Decimal Number", "Date", "Date/Time" or "Link" selected for Input method, has both "Required" and "Unique constraint" checkboxes checked are also target.

8.8 "Reference items" when using "Pulldown selection"

When using "Pulldown selection" as input format for items,

You can display other items in the same menu side-by-side based on the value you select in "Pulldown Selection.

Clicking the "Select a reference item" button when "Pulldown selection" is selected for an item

in the "Create menu" ->"Create • Define Menu" menu, a screen where users can select other items in the "Select items" menu will appear.

Check the items you want to display horizontally and click "Decision" to insert the values into the "Reference item"

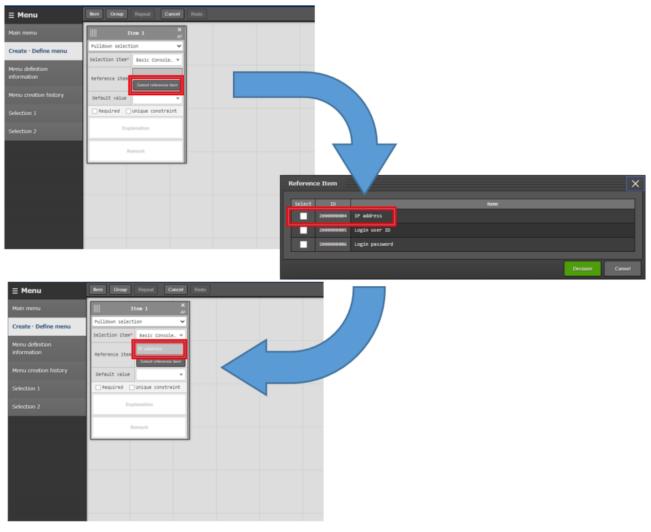


Figure 8.6-1

The items that can be selected as "Reference Item" are as follows.

Table 8.6-1

Select Item	Menu	ltem	Remarks
Management console:Menu list:Menu name	Menu list	Menu ID	
Management console: User list: Login	User list	Mail address	
ID			

Basic console: Device list: Host name	Device list	IP Address	
		Login User ID	
		Login Password	

In addition to the ones above, when the "selected item" is a menu created with the "Create Menu" function, the other items of the menu selected in the "Selected Item" menu group with the input method "String", "Multi string", "Integer", "Decimal Number", "Date", "Date/Time", "Password", "File upload", or "Link"will

also be target. When creating a menu when a "Reference item" is set to the "Pulldown selection",

The menu created in the "Input" menu group will only have the column of the "pull-down selection" item will be displayed from the "Register" menu, but in the "List/Update" menu, the records in the same row as the value set in the "pull-down selection" will be displayed side by side.

							<u>۵</u> ۵
No	Host name"						/time Last updated
		Operation*		Item 1 Sett	ing Role to allow	aci	
uto-input	hostA 🔻	2022/01/19 15:57_1:OP1 *	hostA 💌	Setti	ng	Auto-input	Auto-input
**is a requi	ired item.		-	ulldown sele			
			is a	available whe	n		
	Back	Register		registering			
				0 0			
		_	_				
List/Upda	te						
		×					
History D	Duplicate Update	Discard No.		Operation			Parameter
11232013	apricace apaute	Operation name	Reference date🕀	Scheduled date for	• execution 🖨 Las	t execution date0	Item 10 IP addre
History	Duplicate Update	Discard 1. 0P1	2022/01/19 15:57	2022/01/19 15:57			hostA 10.100.10
4							
ilter result o	count: 1						
				т	he nulldow	n selection an	nd reference
					ne panaom	i ocicotion ui	a reference
	utput Excel				item	will be displa	vod

Figure 8.6-2

When displaying the "list" for the menu created in the "Substitution value automatic registration" menu group and the "Reference" Menu group, the reference item value will be displayed side by side. Any "Reference items" displayed in the "Substitute value automatic registration" menu will have the same values as each driver's "Substitute value automatic registration settings" value.

If you put a "pulldown selection" with a "reference item" in the repeat frame when you are using "vertical menu," "reference items" will be displayed repeatedly, similarly to normal items.

8.9 Reference Item Info

Displays the information of the reference items available in the pulldown selection available in the "Create Define Menu" function.

This menu is hidden by default after installation.

This menu is used by Backyard, and is not operated by users.

u .												
u u	Descripti	on										⊽Op
efine menu	Display fi	ilter										⊽Op
nition n	List											∆Clo
ion history	History	Id⊖	Reference other menu ID@	Display order	Table name@	Primary key⊖	Column name	Ites@	Column group@	Description®	I Last update date/time@	Last updated by
ersion	History	2,000,000,001	2000000005	0	D_MENU_LIST	MENU_ID	MENU_ID	Menu ID			St 2015/04/01 10:00:00	System Administrato
	History	2,000,000,003	200000006	0	A_ACCOUNT_LIST	USER_ID	MAIL_ADDRESS	Mail address			St 2015/04/01 10:00:00	System Administrate
Item Info	History	2,000,000,004	200000001	0	C_STM_LIST	SYSTEM_ID	IP_ADDRESS	IP address			St 2015/04/01 10:00:00	System Administrat
titem mito	History	2,000,000,005	200000001	1	C_STM_LIST	SYSTEM_ID	LOGIN_USER	Login user ID			St 2015/04/01 10:00:00	System Administrat
	History	2,000,000,006	200000001	2	C_STM_LIST	SYSTEM_ID	LOGIN_PW	Login password			Pa 2015/04/01 10:00:00	System Administrat
	Filter result	Dutput Excel										⊽Op
	Trace his	tory										⊽Ор

Figure 8.7-1

Table 8.7-1

Item name	Description
Reference other menu ID	The ID of the other menus where the reference item is linked, based on item in the
	"Pulldown selection"
Display order	Display order when selecting reference items. Displayed in ascending order
Table name	Name of the reference table
Primary key	Primary key to the reference table
Column name	Name of the reference column
Item	Name of the reference item
Column group	The column group where the reference item belongs to.
Description	Description of the reference item.
Input method	Input method for the reference item
Sensitive settings	Is on "ON" if the reference item is "Password"
Master column	Flag that indicates whether the reference target can is "Pulldown" selectable or not.
Remarks	Free description field

8.10 Non-repeating items when using vertical menus.

This section describes using non-repeating items when using vertical menus.

When registering data in the "input" menu group, the data with the youngest number in the assignment order is adopted as the set value in the menu group for automatic assignment value registration.

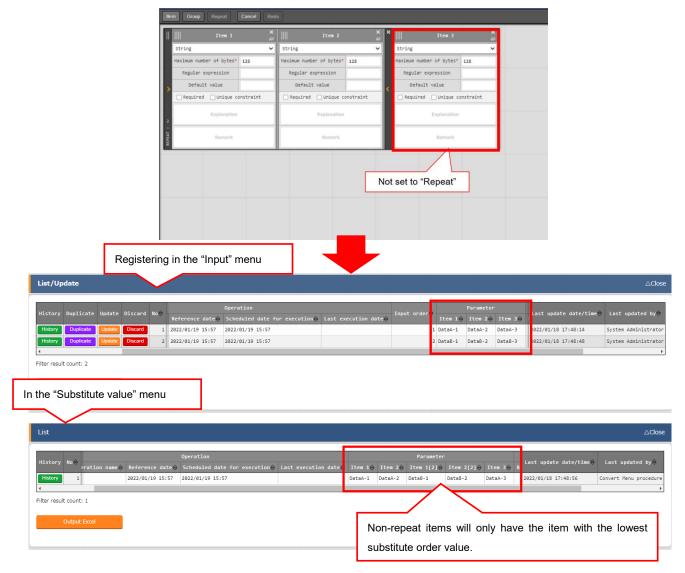


figure 8.11-1

8.11 Input method (Parameter sheet reference)

The "Parameter sheet reference" input method references item records that matches the corresponding operation of the selected menu.

By using the "Parameter sheet reference" item, users can use parameters created for Terraform driver as parameters created for Ansible driver. (For parameters created using "Parameter sheet (with operation).

The following list lists the guidelines for using the "Parameter reference" item.

The "Parameter sheet reference" item cannot be used if the creation target is "Data sheet".
 The following input methods can be referenced:

[⌈]String」[⌈]Multi string」[⌈]Integer」[⌈]Decimal number」[⌈]Time」[⌈]Date」[⌈]Password」[⌈]File upload」[⌈]Link」 Note that only the file name of the uploaded file will be referenced for "File upload"(The uploaded data will not be referenced).

• The "Parameter sheet reference" item displays all referenced data as URLs. Clicking the url will take the user to the source menu's "Substitute value auto registration" menu.

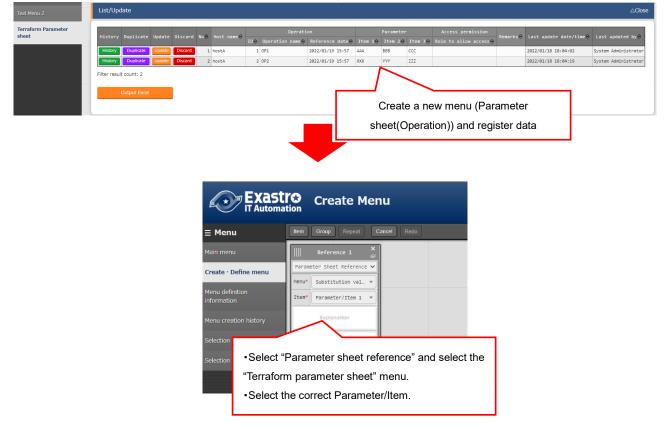
• If the specified operation does not have data from the source menu, the error message "ID Conversion failure (Operation ID)" will be displayed.

The referenced value can be used with Substitute value auto registration.

The following items can be used: String [Multi string] Integer [Decimal number] Password File upload [Link]

"Unique constraint" cannot be used.

The following picture is an example of a menus using the "Parameter sheet reference" input method.





aform Parameter sheet	Register						∆Close
raform Parameter sheet	No Host name*	Operation Operation	Access permis Setting Role to al		Remarks	Last update date/tim	me Last updated by
ible Parameter sheet	Auto-input hostA v	2022/01/19 15:57_1:OP1 *	Setting			Auto-input	Auto-input
_							
	4						Þ
	*is a required item.						
	Back	Register					
		Op	en the menu and r	egister new items			
			_				
Menu 2	List/Update						∆Close
	List/Update						∆Close
orm Parameter sheet	List/Update History Duplicate Update Discar	d Noộ Host nameộ IDộ Op	peration name() Reference date()	Operation Scheduled date for execution	Parame Last execution date⊕ Referenc	Last update date/time	∆Close Last updated by⊖
m Parameter sheet		. ID⇔ Ot				- Last update date/time⊖ <	
m Parameter sheet m Parameter sheet	History Duplicate Update Discar	1 hostA 1 0P	1 2022/01/19 15:57	Scheduled date for execution⊜	■ Last execution date⇔ Referenc	Last update date/time	Last updated by ©
form Parameter sheet form Parameter sheet	History Duplicate Update Discar History Duplicate Update Discarc	1 hostA 1 0P	1 2022/01/19 15:57	Scheduled date for execution⊖ 2022/01/19 15:57	Last execution date Reference	Last update date/time	Last updated by⊖ System Administrator
Iform Parameter sheet Iform Parameter sheet	History Duplicate Update Discar History Duplicate Update Discar Islany Duplicate Update Discard C Filter result count: 2	1 hostA 1 0P	1 2022/01/19 15:57	Scheduled date for execution⊖ 2022/01/19 15:57	Last execution date Reference	Last update date/time	Last updated by⊖ System Administrator
: Menu 2 aform Parameter sheet aform Parameter sheet ible Parameter sheet	History Duplicate Update Discar History Duplicate Update Discare History Duplicate Update Discare	1 hostA 1 0P	1 2022/01/19 15:57 2 2022/01/19 15:57	Scheduled date for execution 2022/01/19 15:57 2022/01/19 15:57	Last execution date Reference	Last update date/time@ 2022/01/18 18:16:02 2022/01/18 18:16:11	Last updated by⊖ System Administrator

Figure 8.11-1

8.12 Searching for "Reference items" and "Parameter sheet reference" menus through pulldown selections.

If the same value is displayed multiple times in the "Display filter", the values will have a number put in brackets behind them.

The value inside the brackets is the ID number of the source item.

Make sure to select the correct value by looking at the ID number at the end.

This happens when the referenced source value has different multiple item numbers in the source menu.

The following picture uses a "Parent menu (Source menu)" and a "Child menu (menu that uses reference item" to illustrate an example.

Exastro Create Menu											
≡ Menu		Hem Group Repeat Cancel Redo									
		Parent item	• č	Referenc	e 1 🖉	Refere	nce 2 🗶				
Create · Define	menu	String	~	String	~	String	~				
		Maximum number of bytes*	128	Maximum number of byte	128	Maximum number of by	tes* 128				
Menu definition		Regular expression		Regular expression		Regular expressio	n				
information		Default value		Default value		Default value					
	iistory	Required Unique co	onstraint	Required Unique	e constraint	Required Unio	ue constraint				
		Explanation		Explanat	ion	Explanation					
				Remark Remark							
	Register new menu. This will serve as the Parent menu.										

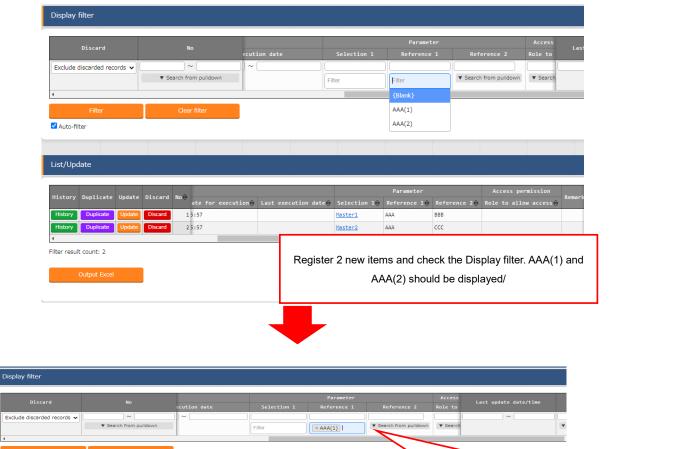


List/U	pdate										
Histor	y Duplicate	Update	Discard	No⇔	Parent item⇔	Reference 1⊖	Reference 2😝	Access permission Role to allow access⇔	Remarks⊖	Last update date/time⇔	Last updated by⊖
History	Duplicate	Update	Discard	1	Master1	AAA	BBB			2022/01/18 18:22:55	System Administrator
History	Duplicate	Update	Discard	2	Master2	AAA	ссс			2022/01/18 18:23:09	System Administrator
Filter res	ult count: 2 Output Excel										
					Re	gister two re	cords with t	he value "AAA"			



Exast IT Automa	Create Menu
≡ Menu	Item Group Repeat Cancel Redo
Main menu	Selection 1 ×
Create · Define menu	Pulldown selection
Menu definition information	Selection item* Input:Test menu 3* Reference item Reference item Selectiverence Selectiverence
Menu creation history	Default value
Selection 1	Required Uniqu
Selection 2	Create new menu with Pulldown selection.
	The selection item and reference item should be the ones from
	the previous menu.





Filter Clear filter		
Z Auto-filter		
List/Update	Select AAA(1), and the first (the on	
History Duplicate Update Discard No. for execution Last execution date Selectio	Parameter order and the disp	blayed.
History Duplicate Update Discard 1 Masteri	AAA 888 2022/01/18 19:11:52	2
Filter result count: 1 Output Excel		



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8.13 Pulldown selection links for "Multistring" items.

Data registered to a pulldown selection item will have their value turned into a link that users can use to access the source menu where the data was registered.

The registered value will be input in the search bar and filtered so users can see it.

If said item has "Multistring" as input method, the display filter search box will only have the first line of characters input.

List/Update	
History Duplicate Update Discard No \Leftrightarrow Parameter 1 \Leftrightarrow Item 1 \Leftrightarrow	Remarks⇔ Last update date/time⇔ Last updated by⇔
History Duplicate Update Discard 1 AAA BBB CCC	2022/01/18 19:18:51 System Administrator
	Pulldown items will have the data turned into an URL that
	leads to the source menu where the original data was registered.
Display filter	
Discard No Multistring Pulldow Exclude discarded records V ~ AAA V Search from pulldown V Search from pulldown	Role to allow access
Filter Clear filter	After being moved to the original menu through the link, the
List/Update	Display filter will have the first line of text input in the search field.
History Duplicate Update Discard No Multistring Pulldown	permission Remarks Last update date/time Last updated by Last updated by 2022/01/18 19:16:26 System Administrator
Output Excel	

Figure 8.13-1

8.14 Creating menus using the Excel File upload function

The following section explains the process of creating menus using the Excel file upload function

- > Configurations before creating menus.
 - Follow the table below and register the following records in the "Management console" > "Role/Menu link list" menu.
 - Some of the records are abolished, so make sure to restore them and update them according to the table below.

Menu	group		Menu	
ID	Name	ID	Name	Associate
2,100,011,60	Menu create	2,100,160,00	Menu definition information	Can maintain
1		1		
2,100,011,60	Menu create	2,100,160,00	Column group list	Can maintain
1		8		
2,100,011,60	Menu create	2,100,160,00	Menu item creation	Can maintain
1		2	information	
2,100,011,60	Menu create	2,100,160,00	Menu(Vertical) create	Can maintain
1		9	information	
2,100,011,60	Menu create	2,100,160,01	Unique restriction (Multiple	Can maintain
1		8	items) create information.	
2,100,011,60	Menu create	2,100,160,00	Menu create execute	View only
1		3		

Table 8.14-1 Role/Menu link list

- Menu creation process.
 - (1) Upload excel files to each of the menus in the table below.

(For more information regarding Excel file uploads, please see the Exastro-ITA_user_instruction_manual_Management_console".)

Order	Menu group	Menu	Requir ed	Remarks
1	Menu create	Menu definition information	0	Need to create Menu group
2	Menu create	Column group list	× Needed when using the	
				column group.
3	Menu create	Menu item create information	0	
4	Menu create	Menu(Vertical) create	×	Needed when using vertical
		information		menus
5	Menu create	Unique restriction (Multiple	×	Needed when using Unique
		items) create information.		restrictions (multiple items)

Table	8 14-2	Menu creation procedure
Table	0.17-2	

- (2) In the "Create Menu" menu group > "Create Menu" menu, select the target menu registered in the "Menu Definition List" menu in step (1) and click "Start Menu Creation".
- (3) Check the menu you have created in the "Menu Create" menu group > "Menu Creation History" menu.

Menu creation example

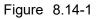
The following is an example of creating menus using Excel file uploads.

♦ The menu that will be created

	Table 8.14-3 0	Created menu		
Menu name	Creation target	Column group	Vertical menu	Unique restrictions(multip le items)
sampleA	Parameter sheet (With host/operation)	use	use	use

% If the menu would be created using the "Menu define/create" menu, it would look like the figure below

item 1 item 2 item 3 item 4 item 4 item 1000000000000000000000000000000000000							Menu creation information		
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<pre></pre>	Regul	lar expression	Regular expression	Regular expression	Regular expression	Regular expression		~	
Image: metric integer centralit Image: centrali	De	fault value	Default value	Default value	Default value	Default value			
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	ati	ion name Reference date a on 2020/01/01 00:00 on 2020/01/01 00:00	nd time Scheduled date Last n 2220/02/01 00:00 2220/02/01 00:00 2220/02/01 00:00	un datem iten 100 iten 200 ite String String String Stri String String String Stri	Item 4+ dataA Item 1[2]+ Item 2[2] ing String string String String String	String String String String String String	Platten: (ftern 1,ftern 2),(ftern 3,ftern 4) Select Unique constraint/Multiple itent) Permasion role Rele : Role A, Role B		
		ion name Reference date a on 2020/01/01 00:00 on 2020/01/01 00:00	nd time# Scheduled date# Last n 2020/01/01 00:00 2020/01/01 00:00	un datem iten 100 iten 200 ite String String String Stri String String String Stri	m 1 ttm + Gera Stem (2) ttem (2) rg string string rg string string string string string string string string string	Parameter	Politim: (Lenn Linen 2).(Seen Julien 4) Texture and an and a second sec		
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- ♦ Excel files needed to create menus.
- 1 Menu definition list Excel file
- 2 Column group list Excel file
- ③ Menu item create information Excel file
- (4) Menu(Vertical) create information Excel file
- 5 Unique restriction (Multiple items) create information. Excel file
- 6 Menu create execute Excel file
- ♦ Menu creation operation flow
 - ① Input/edit the following in the "Menu definition list" excel file and upload it.

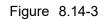
"Menu definition" Excel file

Notes		Execution process type	Discard	ld Menu name	Creation target	Display order	Use	Vertical	Menu group for Input	Menu g	oup for Substitution value	auto-registration	Menu group for View	
Required	Register		×	×	•	•	0	0	•		0		0	
Cannot edit	Upadate		×	× •	•	•	0	٥	•		٥		0	
Carmot edit	Discard		×	× ×	×	×	×	×	×		×		×	
	Restore		×	× ×	×	×	×	×	×		×		×	
: Line break OF	K/NG : No line break		NG	NG NG	NG	NG	NG	NG	NG		NG		NG	
	Utner notes	Select processing type.	Cannot do	C Enter the a name of n the menu n to be ot created. e di	If you select "Parameter Sheet", ITA will create a parameter sheet menu that is set in the substitution value automatic registration setting.	Enter the display order of the menu group. It is displayed in ascending order.	i er the	Enter when creating a vertical menu	Enter the menu group on which to create the input menu.	Enter the menu gro registration menu.	up on which to create the	substitution value auto-	Enter the menu group on which to create the view menu.	If th cre "No hav will "Cr cha
		Execution process type	Disca 👻	• → Menu na →	Creation target -	Display orde 🛩		Vertic: -	Menu group for Input 💌	Menu or	oup for Substitution value	auto-registration	 Menu group for View 	-
		Register		sampleA	Parameter Sheet(Ho		For	•	Input	Substitution value			Reference	
	Executio	on process ty	ре	Menu	name		(Creat	ion Target		Display O	order U	se	
		Register		sam	pleA	Parame	ete	r She	et(Host/Ope	eration)	1	For	Host	
	Vertical N	lenu Menu ន្	group	for In	put Mei	nu group	o fo	or sul	bstitute valu	e auto-re	gistration	Menu gro	up for Viewi	ng
	•		Inpu	it				Su	bstitution val	ue		Re	ference	

Figure 8.14-2

② Input/Edit the following in the "Column group list" excel file and upload it.

Notes		Execution process type	Discard	Id	Parent column group	Column group Name
Required	Register		×	×	0	•
: Optional	Upadate		×	×	0	•
: Cannot edit	Discard		×	×	×	×
-	Restore		×	×	×	×
OK: Line break OK,	NG: No line break		NG	NG	NG	NG
	Other notes	Select processing type.	Discard flag. Cannot do operation other than restore.	a n n ot	Select the parent column group from the pulldown menu.	Enter the column group name.
		Execution process type	Disca 👻	Ŧ	Parent column group	Column group Nam 🔻
		Register				dataA
	Exec	ution process type	Colum	n g	group Name	
		Register		-1	ataA	



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③ Input/Edit the following in the "Menu item create information" excel file and upload it.

Notes		Execution process type	Discard	ы	Menu name	Item name	Display order	Required	Unique	Column group	Input method	
		Execution process type	Discalu		Menu name	item name	Display order	required	Onique	Column group	input method	Maximum number of bytes
Required	Register		×	×	•	•	•	0	0	0	•	0
 Optional Cannot edit 	Upadate		×	×	•	•	•	٥	۰	0	•	0
· · Cannot euit	Discard		×	×	×	×	×	×	×	×	×	×
	Restore		×	×	×	×	×	×	×	×	×	×
OK: Line break OK	/NG: No line break		NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
	Other notes		Cannot do operation other than	a n ot e		display on the menu.	be displayed in		unique	column group to belong to.	"String", "Multi string", "Interger" , "Decimal number", "Date/t ime", "Date", "Pulldown	Enter the maximum number of bytes. Total number of bytes (8192). For single byte alphanumeric characters, the required bytes will be equal to the number of characters. For double byte characters, the
		Execution process type 👻	Disca 👻			ltem nai 👻	Display orde 👻	Require 👻	Uniq 👻	Column grot 👻	Input metho 👻	Maximum number of bytes 💌
		Register			sampleA	ltem1	0			dataA	String	32
		Register			sampleA	ltem2	1			dataA	String	32
		Register			sampleA	ltem3	2			dataA	String	32
		Register			sampleA	ltem4	3			dataA	String	32
		Register			sampleA	Item1[2]	4			dataA	String	32
		Register			sampleA	Item2[2]	5			dataA	String	32
		Register			sampleA	ltem3[2]	6			dataA	String	32
		Register			sampleA	Item4[2]	7			dataA	String	32

Execution process type	Menu name	Item name	Display Order	Collumn Group	Input Method	Maximum number of bytes
Register	sampleA	ltem1	0	dataA	String	32
Register	sampleA	Item2	1	dataA	String	32
Register	sampleA	Item3	2		String	32
Register	sampleA	Item4	3		String	32
Register	sampleA	Item1[2]	4	dataA	String	32
Register	sampleA	Item2[2]	5	dataA	String	32
Register	sampleA	Item3[2]	6		String	32
Register	sampleA	Item4[2]	7		String	32



④ Input/Edit the following in the "Menu (Vertical) create information" excel file and upload it.

Notes		Execution proc	ess type	Discard	ld	Menu name	: Start item name	Numl	ber of items	Repetition	count
• : Required	Register			×	×		•		•	•	
 Optional Cannot edit 	Upadate			×	×		•		•	•	
× . Cannot edit	Discard			×	×		×		×	×	
	Restore			×	×		×		×	×	
OK : Line break OK	/NG: No line break			NG	NG		NG		NG	NG	
	Other notes	Select processing		flag. Cannot do operation other than	a n n ot	basis of the ver	nu that will be the tical menu to be e item name of the eat item.	Enter th	ne number of	Enter the repo	etition
		Execution proc		Disca 🔻	¥		: Start item name	 Numl 	ber of item 👻	Repetition	count 👻
	0	Registe	r			sampleA:dataA	/ltem1	4		2	
	Execution pro	cess type 🛛	lenu nam	e:Start	t it	em name	Number of i	tems	Repetiti	on count	Í
	Register	Sa	ampleA:da	ataA/Ite	m	1		4		2	

"Menu (Vertical) create information" excel file

Figure 8.14-5 Exastro-ITA_User Instruction Manual_Menu Creation Function 84 / 87 (5) Input/Edit the following in the "Unique restriction (Multiple items) create information" excel file and upload it.

	Execution process type	Discard	ld Menu name	Unique constraint(Multiple items)				
Register		×	× •	•				
Jpadate		×	× •	•				
Discard Restore		×	××	×				
kestore Vo line break		× NG	× × NG NG	×				
Other notes	Select processing type.	Discard flag. Cannot	C Select the a menu to n link the	Patterns for Unique constraint (Multiple it Enter the ID of the target item, separated comment	Execut	ion process type	Menu name	Unique constraint (Multiple Items)
		do	n parameter	contanto.	Register		sampleA	1,2
		operation other than	ot from the e pulldown		Register		sampleA	3,4
istory Duplic	Register	lenu name		3,4 Display order⊕ Required⊕ Unique€	Column grou	upê Input methodê		utting the target i "Unique restric
		1 ampleA	Thomas	0	(144)	P	(Multiple it)	ems), divide them
History Duplic		2 ampleA	Item1 Item2	0	dataA dataA	String	using com	mas
History Duplic		3 ampleA	Item3	2	dataA	string	Ŭ	
History Duplic		4 ampleA	Item4	3	dataA	String	The Item	IDs can be seen
History Duplic		5 ampleA	Item1[2]	4	dataA	String	looking at	the "item number
History Duplic	ate Update Discard	6 ampleA	Item2[2]	5	dataA	String		
History Duplic	ate Update Discard	7 ampleA	Item3[2]	6	dataA	string	the "Menu	create" > "Menu i
History Duplic	ate Update Discard	8 ampleA	Item4[2]	7	dataA	String	create info	rmation" menu.

Figure 8.14-6

6 In the "Menu create" > "Create menu", select "SampleA" and press the "Start Menu Creation".

⑦ Doing so will cause an dialog window to appear. Press "OK", and the Menu will be created.

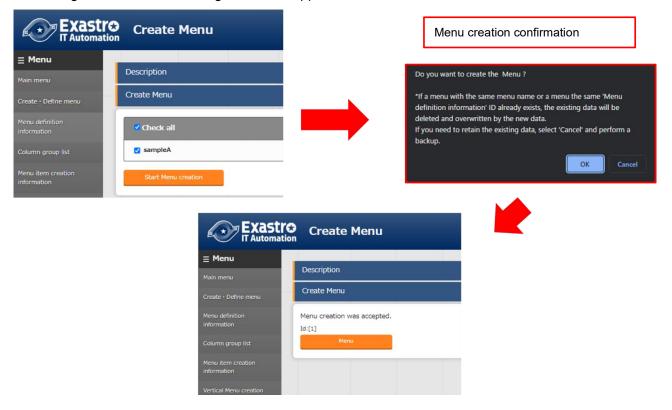


Figure 8.14-7

Pressing the "Created menu" button in the "Menu create" > "Menu creation history" will move the user to the "Input" menu group where the user can see that "SampleA" has been created.

