



# IT Automation

**Host group management •  
Menu creation  
[Tutorial]**

※Exastro IT Automation is written as ITA in this document



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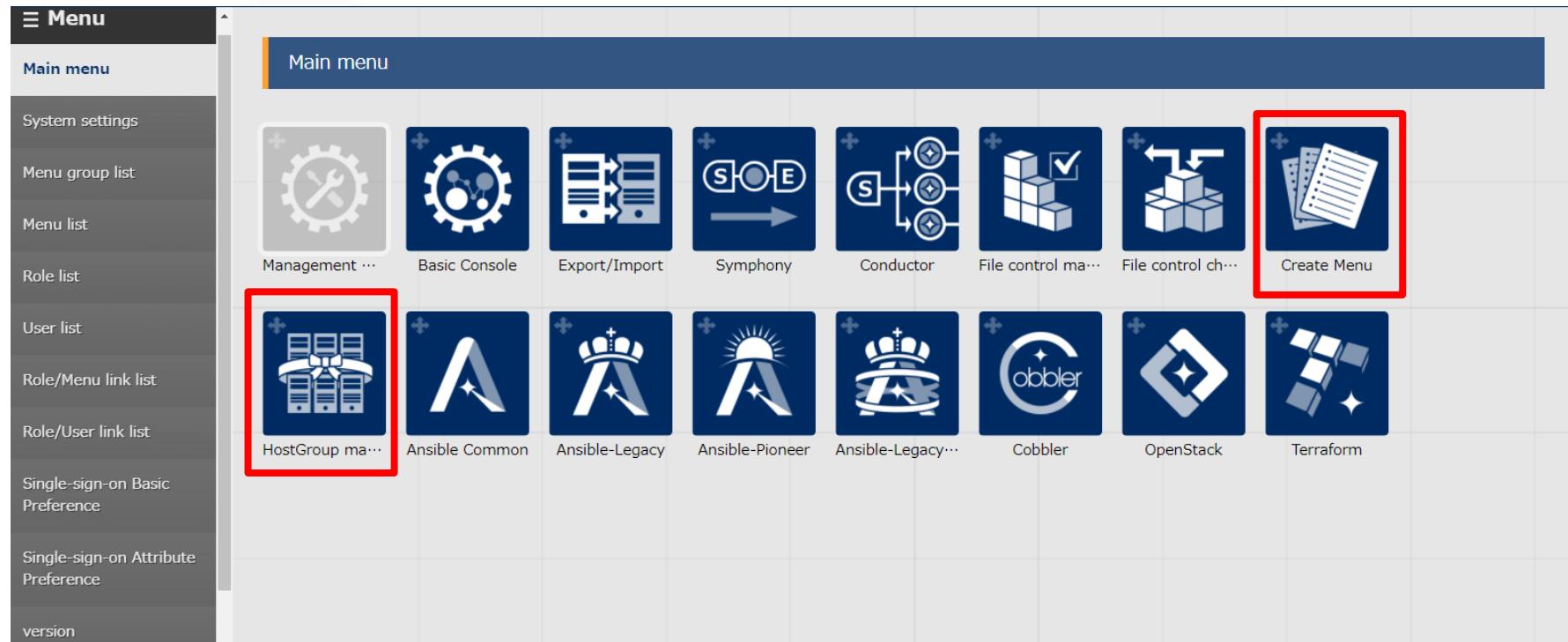
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# 1. Introduction



# 1.1 About this document

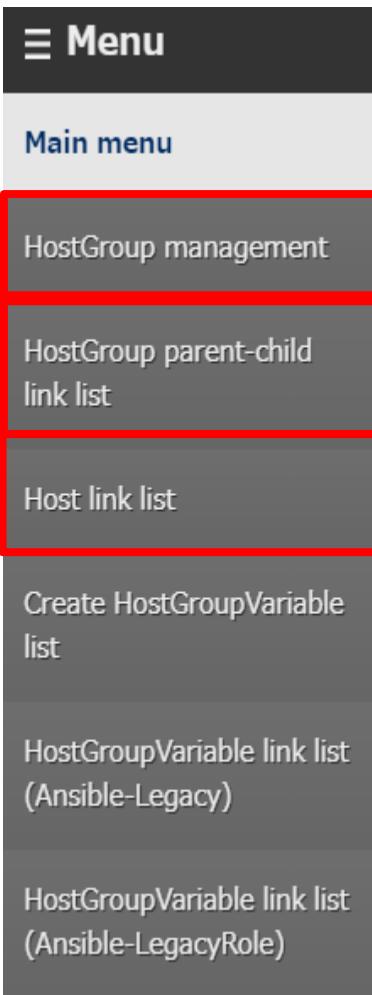
- This document describes “ Host menu Management” and “ Menu creation”.
- This document aims to explain the overview of Exastro IT Automation as well as introducing its functions.
- **The practice Document** uses pictures of the ITA screen to explain, so please look at both documents.
- Detailed specifications of each functions are written in their respective user manuals.



## 2. Host group management



## 2.1 Menu overview



### ● Main Menus used in this document

#### ① Registering host groups/ Referencing menus

History	Duplicate	Update	Discard	Host Group ID	HostGroup name	Priority (larger value is higher)
History	Duplicate	Update	Discard	1	GroupA	5
History	Duplicate	Update	Discard	2	GroupB	10
History	Duplicate	Update	Discard	3	GroupC	147

#### ② Registering parent-child host to host menus

History	Duplicate	Update	Discard	Item No.	Loop alert	HostGroup	
						Parent	Child
History	Duplicate	Update	Discard	1		GroupA	GroupB
History	Duplicate	Update	Discard	2		GroupA	GroupC
History	Duplicate	Update	Discard	3		GroupC	GroupB

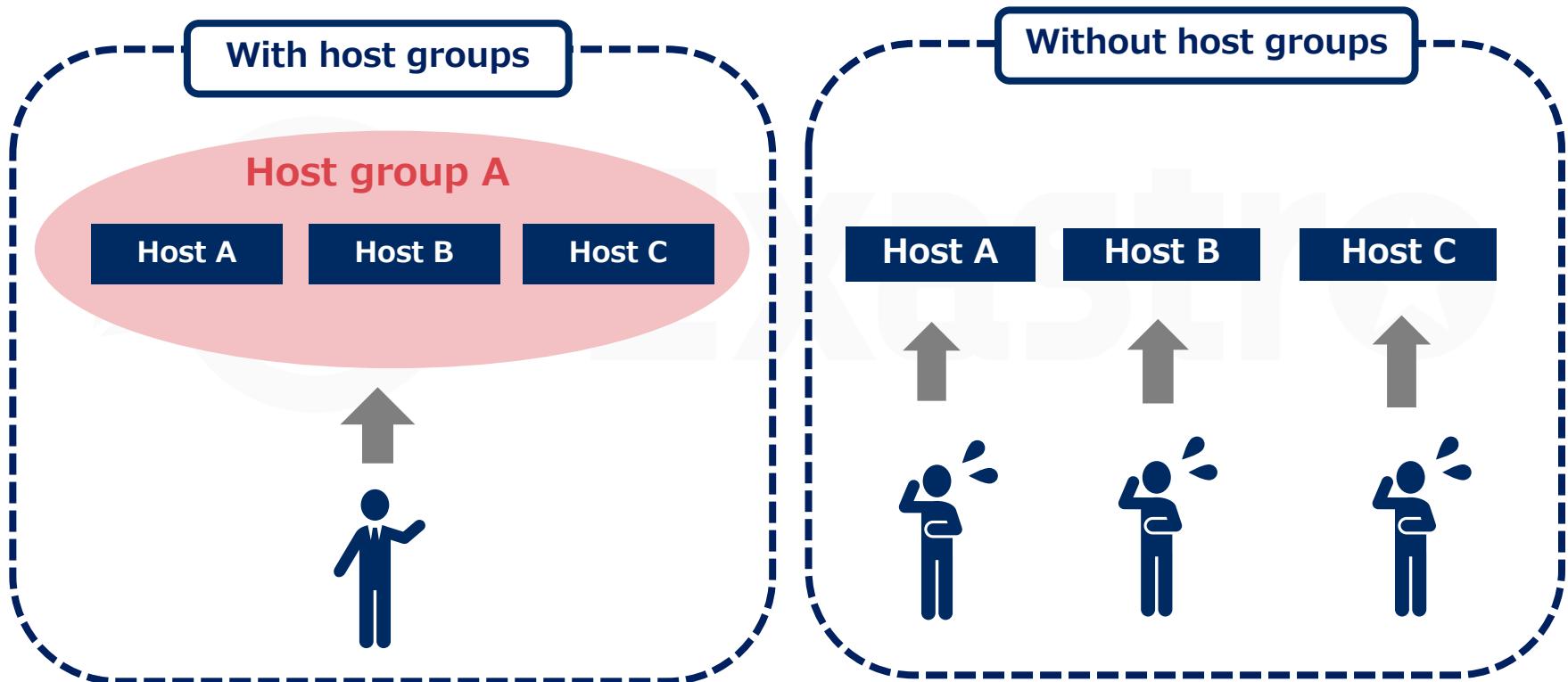
#### ③ Menu for registering links between Host, Operations and Groups names.

History	Duplicate	Update	Discard	Item No.	HostGroup name	Operation	Host name
History	Duplicate	Update	Discard	1	GroupA	2021/12/09 17:29_9:OP_1	targethost
History	Duplicate	Update	Discard	2	GroupB	2021/12/09 17:29_10:OP_2	targethost
History	Duplicate	Update	Discard	3	GroupC	2021/12/09 17:29_11:OP_3	targethost

※For more information regarding menus other than ①②③, please refer to [Exastro-ITA User Instruction Manual Host group Function](#)

## 2.2 Host group management

**Users can group hosts together and instruct them simultaneously by using the group management function. This function is necessary to manage multiple hosts in a large scale system.**



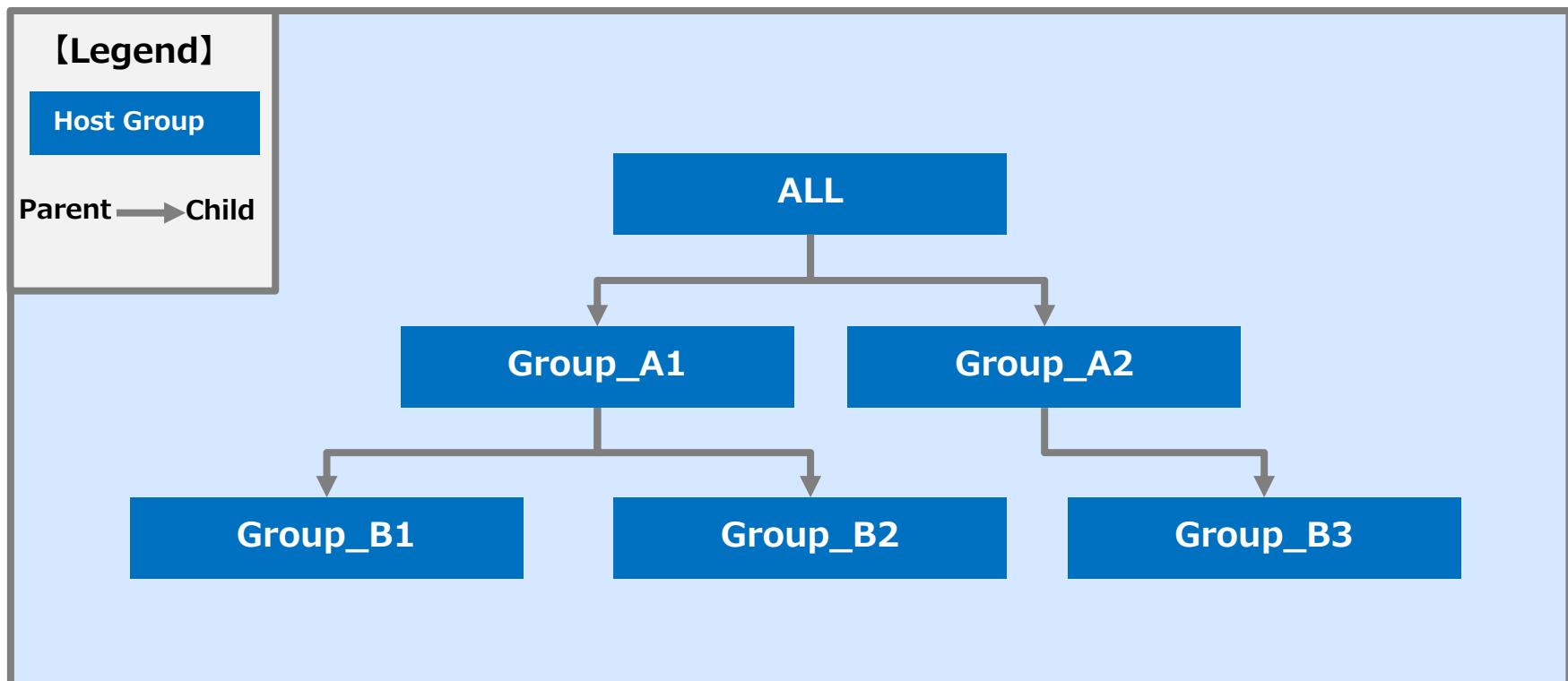
Can give instructions to everyone

Must give instruction individually

## 2.3 Host group Parent-Child relationship

**Users can define Parent-Child relationships between Host groups .By doing so, parameters can be succeeded and host management becomes easier.(→Next Page)**

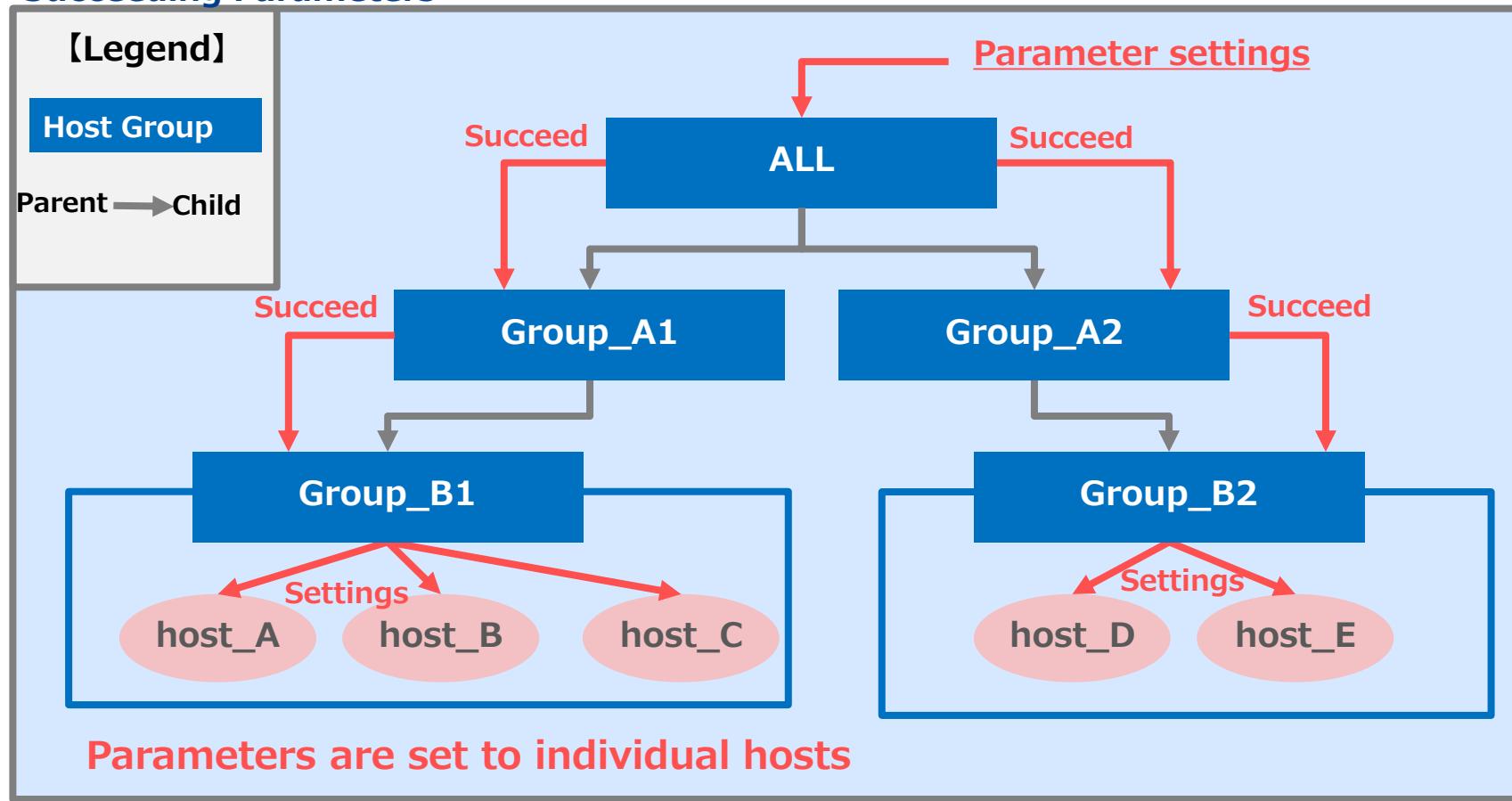
### Host group Parent-Child relationship



## 2.4 Succeeding Parameters.

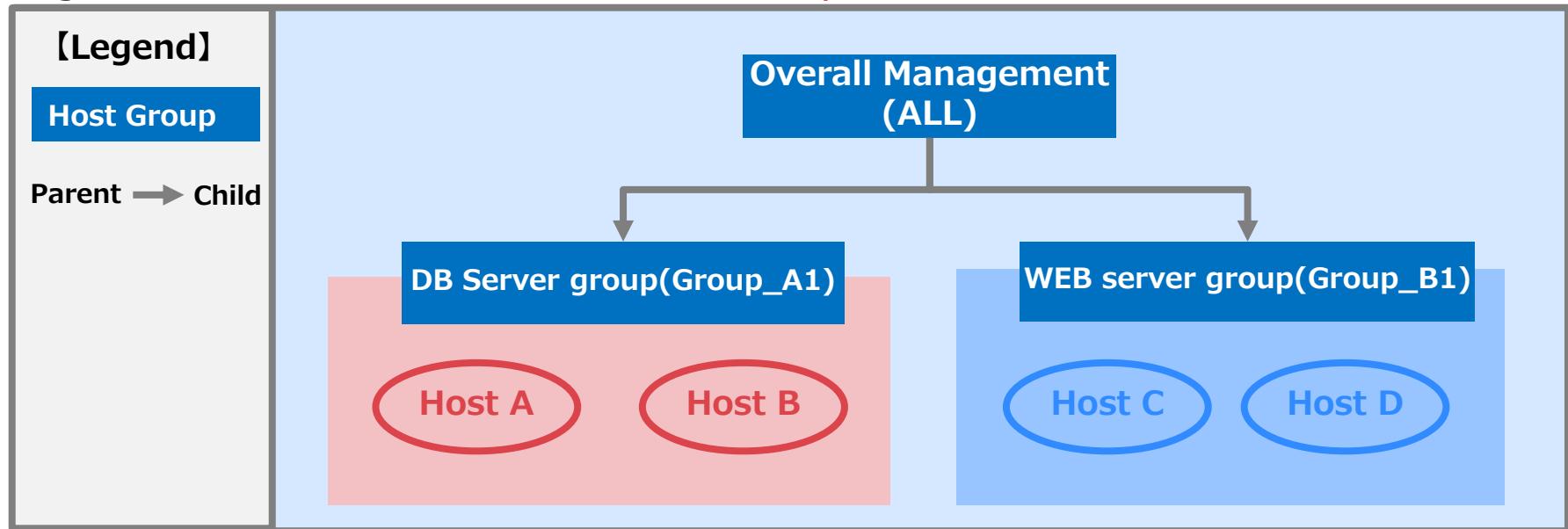
**By succeeding parameters from the Parent to the child, host groups can work more closely together. As a result, it is possible to handle Large scale systems.**

### Succeeding Parameters



## 2.5 Host group Example (1/4)

- There are 3 hosts groups. "Overall management", "DB Server group" and "Web server groups". They are all defined in a parent-child relationship. Right now, **there is no value set to the parameters in Host A~D**

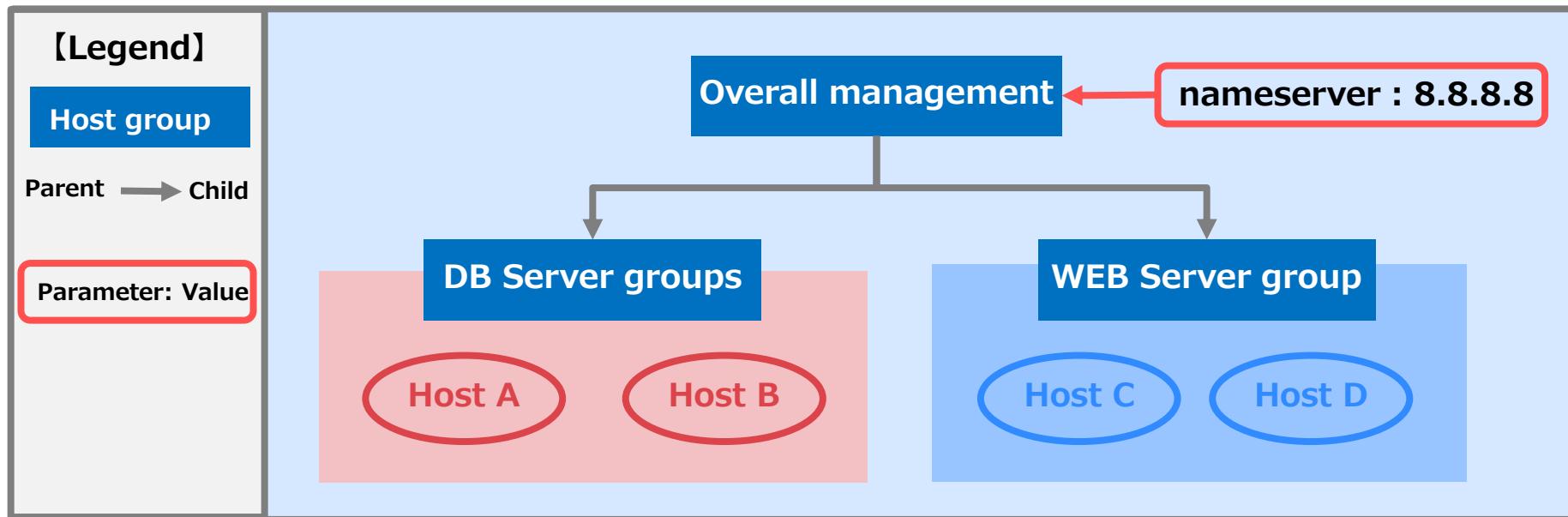


**[Parameter for each host]**

Host	hostname	nameserver	password	server-admin
Host A	-	-	-	-
Host B	-	-	-	-
Host C	-	-	-	-
Host D	-	-	-	-

## 2.5 Host group Example (2/4)

- Set the parameters for the “Overall Management” host group.

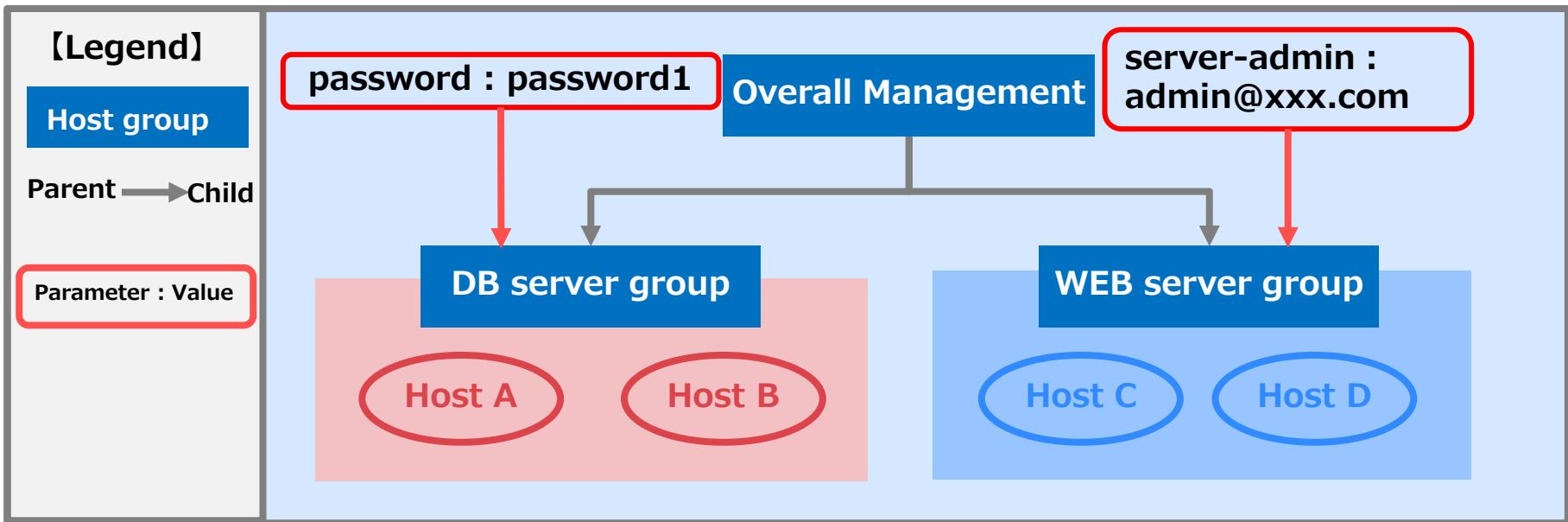


**[Parameter for each host]**

Host	hostname	nameserver	password	server-admin
Host A	-	8.8.8.8	-	-
Host B	-	8.8.8.8	-	-
Host C	-	8.8.8.8	-	-
Host D	-	8.8.8.8	-	-

## 2.5 Host group Example (3/4)

- Set the different parameters for Host groups “DB Server group” and “Web server group”.

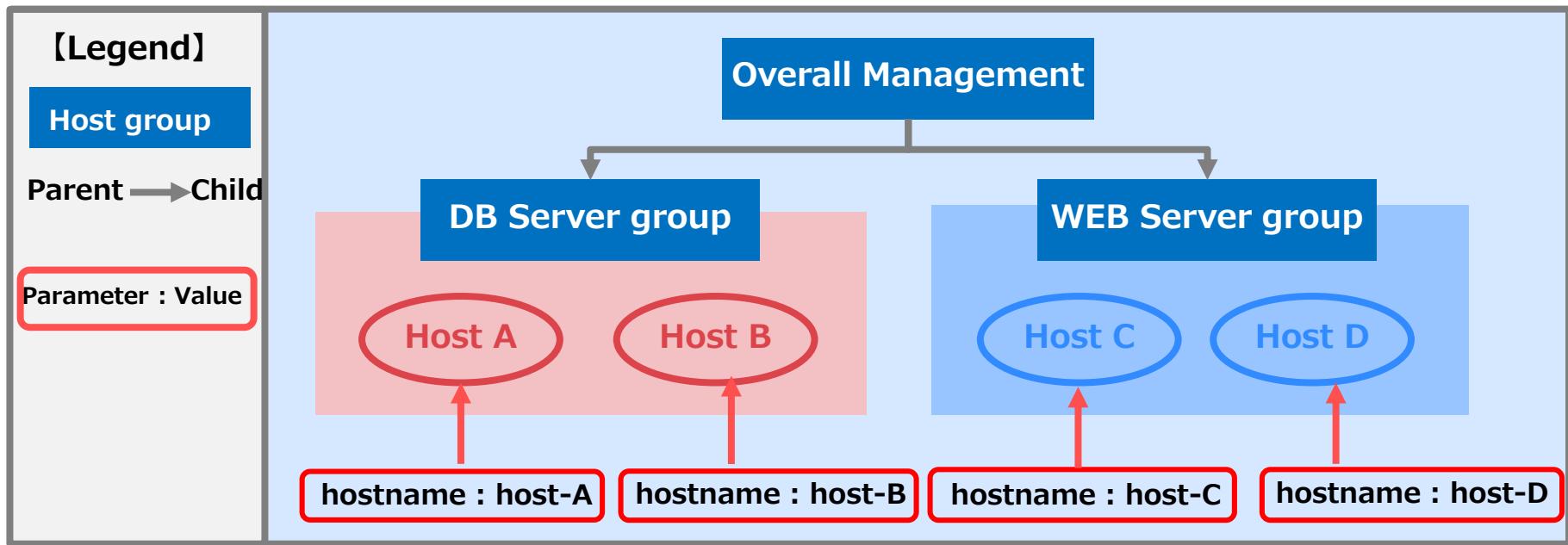


[Parameter for each host]

Host	hostname	nameserver	password	server-admin
Host A	-	8.8.8.8	password1	-
Host B	-	8.8.8.8	password1	-
Host C	-	8.8.8.8	-	admin@xxx.com
Host D	-	8.8.8.8	-	admin@xxx.com

## 2.5 Host group Example (4/4)

- Set individual parameters for each host.



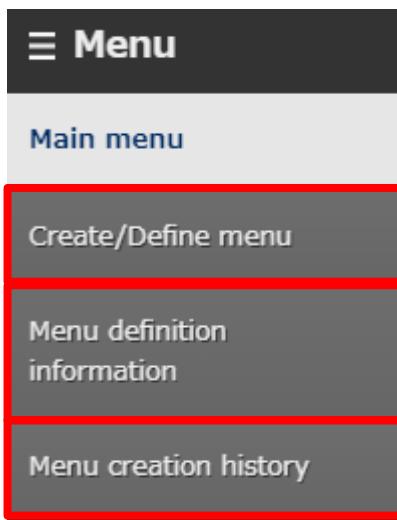
**[Parameters for each host]**

Host	hostname	nameserver	password	server-admin
Host A	host-A	8.8.8.8	password1	-
Host B	host-B	8.8.8.8	password1	-
Host C	host-C	8.8.8.8	-	admin@xxx.com
Host D	host-D	8.8.8.8	-	admin@xxx.com

### 3. Menu creation function

# 3.1 Menu overview

## ● Main Menus used in this document



### ① Menu Create/Define Menu

Lets users create menus and menu items

This screenshot shows the 'Create/Define Menu' window. It includes a grid for defining menu items and a detailed configuration panel on the right.

**Grid Configuration:**

Item 1	Item 1(2)	Item 1(2)(3)
Integer	Date	Pulldown selection
Minimum value	Required <input type="checkbox"/> Unique constraint <input type="checkbox"/>	Selection item <input type="checkbox"/> Basic Console <input type="checkbox"/>
Maximum value	Explanation	Required <input type="checkbox"/> Unique constraint <input type="checkbox"/>
	Explanation	Remark

**Right Panel - Menu creation information:**

- Basic information:
  - Id: Auto-input
  - Menu name\*: [empty]
  - Creation target\*: Parameter Sheet/Host/Operat\*
  - Display order\*: [empty]
  - Use\*: For Host
  - Last modified: Auto-input
  - Last updated by: Auto-input
- Target menu group:
  - Host\*: [empty]
  - Reference\*: [empty]
  - Vertical: [empty]
- Explanation: [empty]
- Remarks: [empty]

### ② Menu definition information Menu

Lists all created menus

History	Id	Menu name	Menu definition · creation	Creation target	Display order	Use	Vertical
History	1	Gathered Facts	Menu definition · creation	Parameter Sheet(Host/Operation)	1	For Host	

### ③ Creation history Menu

Displays the creation history of all the menus.

History	Id	Menu name	Status	Menu file	Menu create type	Created menu
History	1	Gathered Facts	Completed	000000001.zip	Create New	Created menu

## 3.2 Menu construction

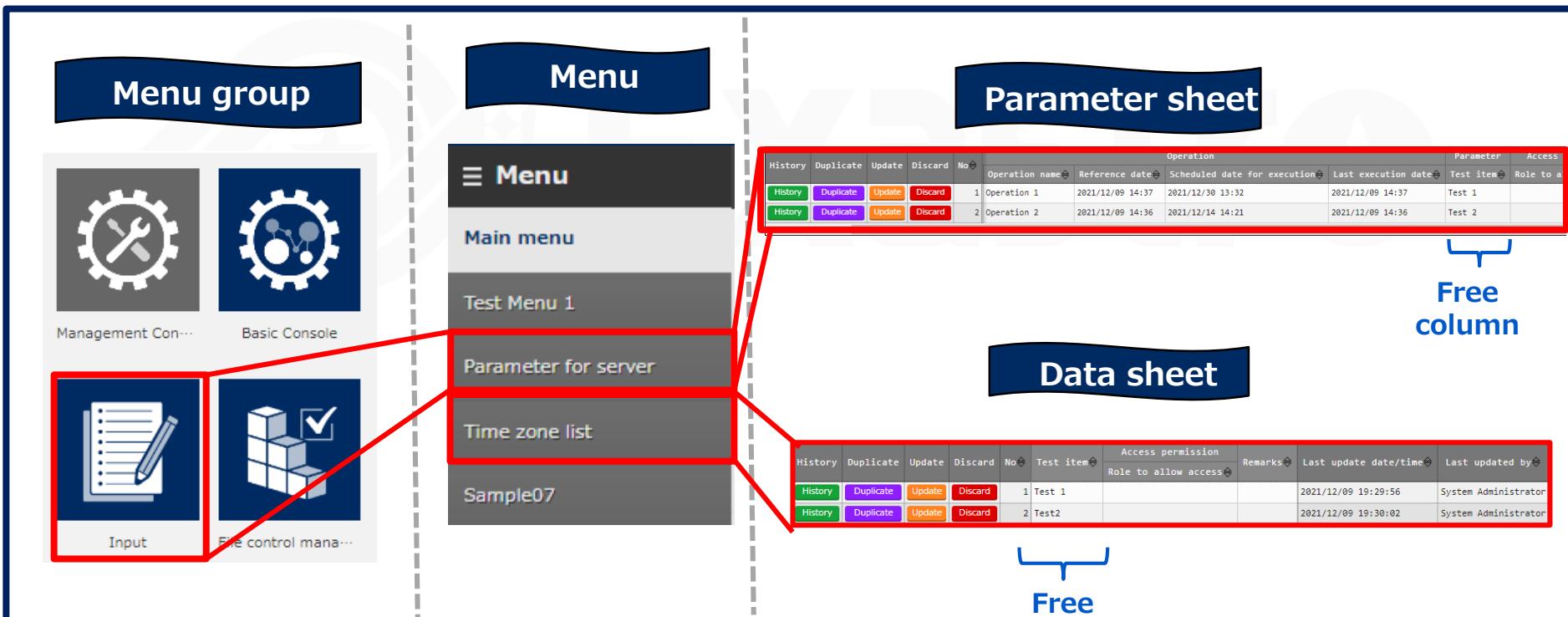
- The Menus that can be created with the Menu creation functions are as follows.

Menu group > Menu > Parameter sheet/Data sheet

- The following two types of menu sheets are creatable

- Sheets that manages IaC variable values. → Parameter sheet
- Sheets that are not linked with specific host and operations. → Data sheet

### Menu structure

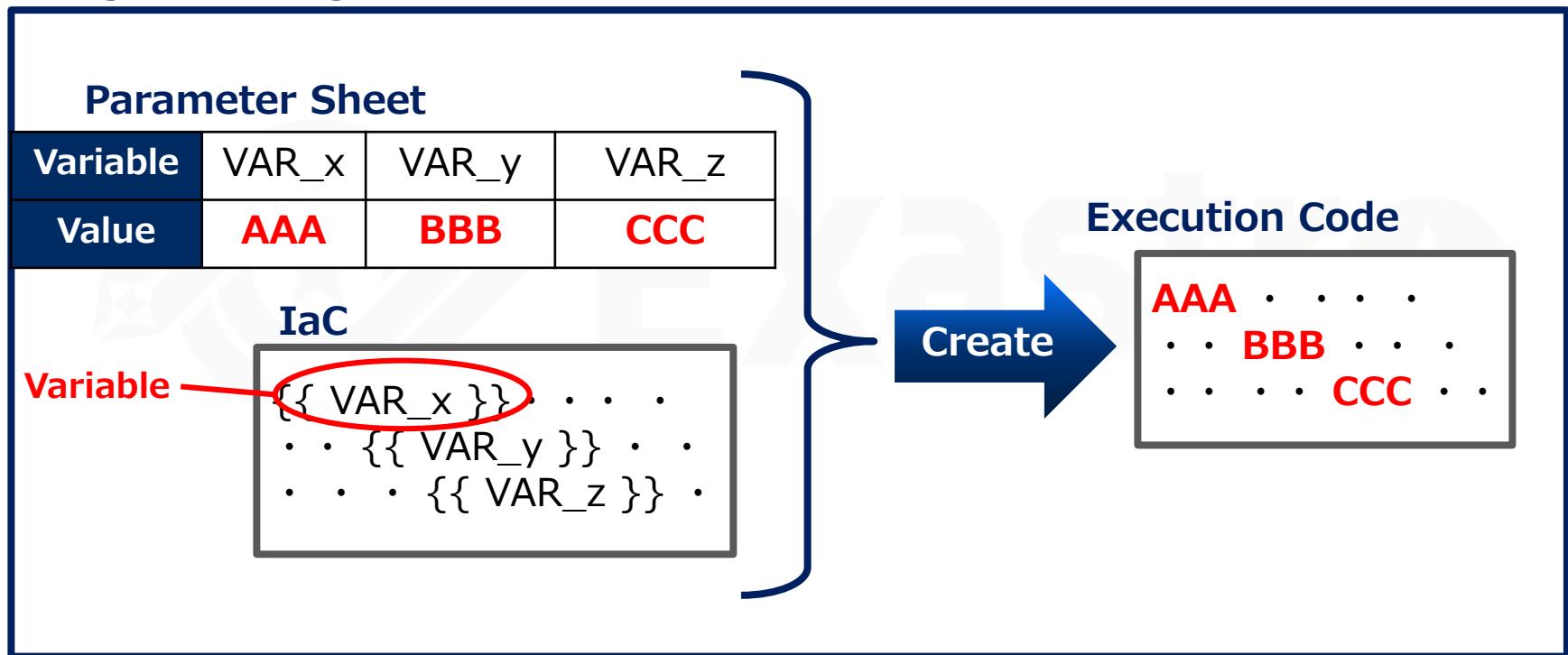


(\*)The menus and menu groups shown above are examples

### 3.3 Parameter Sheet

In Parameter sheet, manage and register the **variable** substitute values used in IaC.  
Create execution codes from Parameter sheets and IaC.

Image of creating an Execution code



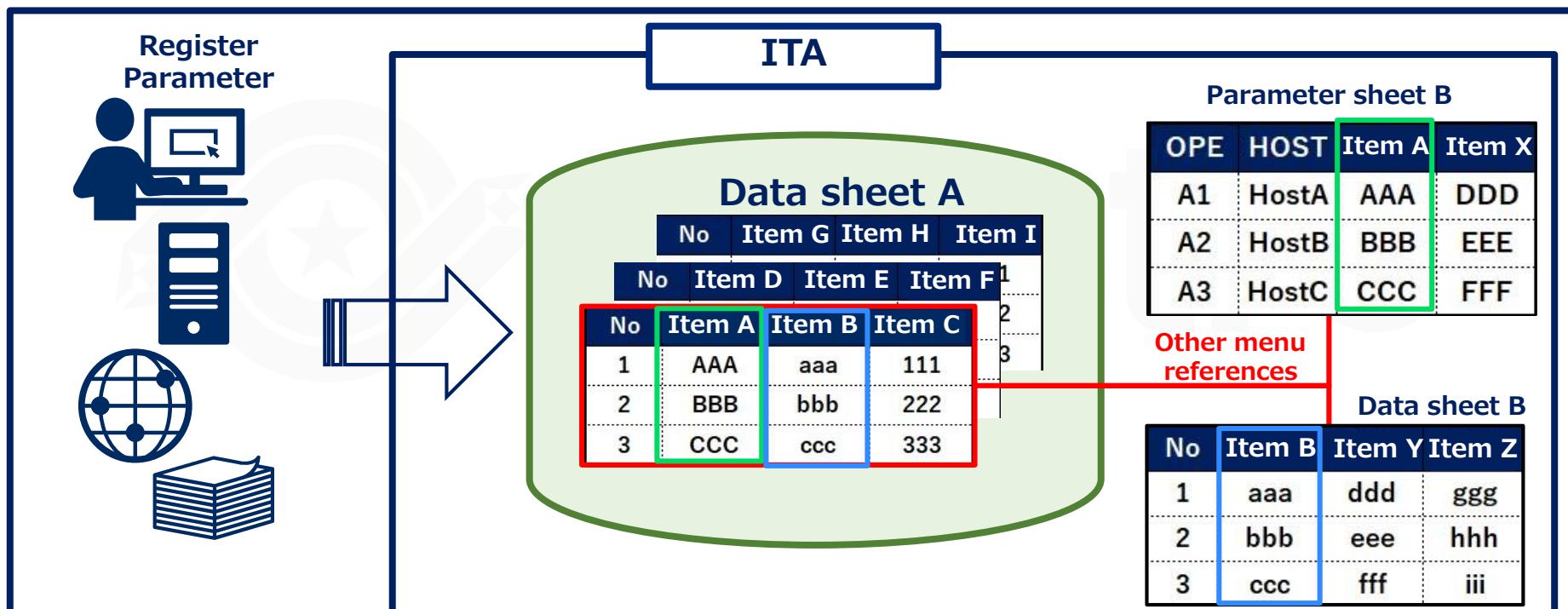
(※)For linking variables, please take a look at the “practice document”

## 3.4 Data Sheet

Data sheet is managing data as CMDB(Configured Management Data Base).

- The figure below displays that it is possible to link Datasheet A with other sheets by use the “**Pulldown selection**” input method (See chapter “3.12.1 Input method: Pulldown selection” for more information)

### Operating data sheets

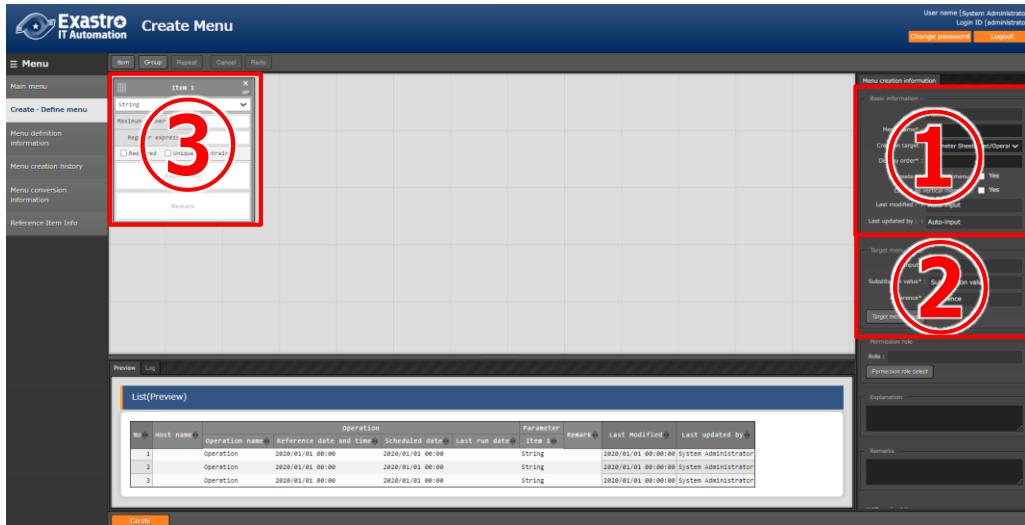


Users can register parameters from Web menus, Excel files and RestAPI.(Same with Parameter sheets)

### 3.5 Menu creation procedure

- The menu creating procedure is as shown below.
- We recommend following the practice document while operating the system after reading these slides.

#### Menu definition/creation screen



#### ① Input basic Menu information

- Select either "Parameter sheet" or "Data sheet" for the "Creation target".
- If you want to use Host groups, put a check mark in the "Create as Host group menu" box (For more information, please refer to 3.7 Host group and menu groups).
- For more information regarding vertical menus, please refer to chapter 4 in [Exastro-ITA User Instruction Manual Menu\\_creation\\_function](#)

#### ② Select which Menu group the menu is going to belong to

- By default, the menu will be created in the "Input", "Substitution value registration" and "Reference" menu groups.
- Users can also create their own menu groups.( For more information, please see the Practice document).

#### ③ Create items for the menu.

- Please refer to 3.11 Item registration.

# 3.6 Editing Menus.

- Users can use the buttons on the bottom of the "view" screen to edit the menu or perform various other actions.
- The view screen can be accessed by pressing the Menu definition/Creation" button in the "Menu definition information"-> "list/update" menu.  
It will also be displayed right after the menu has been created.
- For more information regarding the different buttons, please see the next page.

## View screen

The screenshot shows a 'View screen' for menu definitions. On the left, there is a grid of three columns labeled 'Item 1', 'Item 2', and 'Item 3'. Each column contains dropdown menus for 'String', 'Maximum number of bytes\*', 'Regular expression', 'Default value', and checkboxes for 'Required' and 'Unique constraint'. Below each column is a section for 'Explanation' and 'Remark'. On the right, a detailed 'Menu creation information' panel is displayed, containing fields for 'Id', 'Menu name', 'Creation target', 'Display order', 'Create as hostgroup menu', 'Last modified', 'Last updated by', 'Target menu group', 'Input', 'Substitution value', 'Reference', 'Unique constraint(Multiple items)', 'Pattern', 'Permission role', 'Role', 'Explanation', and 'Remarks'. At the bottom of the screen, there is a navigation bar with buttons: 'Edit', 'Initialize', 'Diversion new', and 'Menu creation history'. The 'Diversion new' button is circled in blue with the number 3. The 'Menu creation history' button is circled in blue with the number 4. A red arrow points from a callout box to the 'Diversion new' button.

If the view screen is accessed from  
"Menu definition information" menu ->  
List/Update, Button no.4 will not be  
displayed.

### ① "Edit" button

- Edits the menu definition.
- any date registered before the edit will be saved.

### ② "Initialize" button

- Edits the menu definition.
- any date registered before the edit will be deleted.

### ③ "Diversion new" button

- Duplicates the menu and creates a new menu.

### ④ "Menu creation history" button

- Moves the user to the "Menu creation history" menu.

### 3.6.1 Editing Menus : Edit button

- Pressing the "Edit" button will move the user to the "Edit" screen.
- Here, users can edit the Menu. That being said, only some parts are editable. see the picture below for editable items.
- The data that was **registered before the editing** will be saved.

※ For more information, please refer to chapter 5.4 in [Exastro-ITA User Instruction Manual Menu creation function](#)

#### "Edit" screen

The areas marked with red can be edited.

The screenshot shows a 'Menu creation information' window with a grid of three items. Item 1 has a red box around its 'Item name' field. Item 2 has a red box around its 'Maximum number of bytes' field and a red 'Delete' icon. Item 3 has a red box around its 'Maximum number of bytes' field and a red 'Add' icon. A note below says 'Users can also edit the order of the items'. At the bottom, there are three buttons circled in blue: 'Create/Edit' (labeled 1), 'Reload' (labeled 2), and 'Cancel' (labeled 3).

No.	Most name	Operation	Parameter	Remark	Last Modified	Last updated by
1	192.168.1.1	operation	String	String	2020/01/01 00:00:00	System Administrator
2	192.168.1.1	operation	String	String	2020/01/01 00:00:00	System Administrator
3	192.168.1.1	operation	String	String	2020/01/01 00:00:00	System Administrator

#### ① Create(Edit) button

- Saves the menu with the edited contents registered.

#### ② "Reload" button

- Deletes the edited contents and returns the edit screen to its initial state.

#### ③ "Cancel" button

- Deletes the edited contents and returns the user to the "view" screen.

### 3.6.2 Editing menus : Initialize button

- Pressing the "Initialize" button will move the user to the "Initialize" screen.
- In this screen, users can edit the Menu. In contrast to the "edit" screen, all items can be edited.
- Any data registered before the edit will be deleted.

For more information, please refer to chapter 5.4 in [Exastro-ITA User Instruction Manual Menu creation function](#)

#### "Initialize" screen

The area in red can be edited.

Can edit everything  
except menu name

The screenshot shows a software interface for managing menu items. On the left, there is a grid with three columns labeled 'Item 1', 'Item 2', and 'Item 3'. Each item has dropdown menus for 'String', 'Maximum number of bytes\*', 'Regular expression', 'Default value', and checkboxes for 'Required', 'Unique constraint', and 'Constraint'. Below the grid is a 'Remark' section. On the right, a 'Menu creation information' panel is open, containing fields for 'ID' (set to 13), 'Menu name\*' (set to 'sample\_5'), 'Creation target' (set to 'Parameter Sheet/Host/Operal'), 'Display order\*' (set to 5), and other settings like 'Create as hotgroup menu' and 'Create as vertical menu'. At the bottom of the screen, there is a 'List(Preview)' section showing a table of menu items with columns: Host name, Operation, Parameter, Remark, Last Modified, and Last updated by. The table contains three rows of data. At the very bottom, there is a navigation bar with buttons: 'Create/Edit' (highlighted with a blue circle), 'Reload', and 'Cancel'.

#### ① "Create(Initialize)" button

- Saves the menu with the edited contents registered.

#### ② "Reload" button

- Deletes the edited contents and returns the edit screen to its initial state.

#### ③ "Cancel" button

- Deletes the edited contents and returns the user to the "view" screen.

### 3.6.3 Editing menus : New Diversion

- Pressing the "New Diversion" button will move the user to the Diversion screen.
- In this menu, the menu displayed in the "view" screen will be duplicated and be created as a new menu.
- both "Menu name" and "Display order" will be blank, so the user will need to input new strings. The "Menu name" can not be the same as an existing one.

#### "New Diversion" screen

The areas marked in red are editable.

Can edit everything

The menu will be cloned with only the "Menu name" and the "Display" order left blank.  
Additionally, all columns and boxes are editable.



### 3.6.4 Editing Menus : Menu creation history

- Pressing the "Menu creation history" button will move the user to the "Menu creation history" menu.
- A list of created menus will be sorted and displayed in the "list" area.

#### "Menu creation history" menu.

History	Id	Menu name	Status	Menu file	Menu create type	Created menu	Access permission	Remarks	Last update date/time	Last updated by
History	1	Test Menu 1	Completed	0000000001.zip	Create New	Created menu	Role to allow access		2021/05/12 10:21:16	Create Menu procedure

Only the user created menus will be displayed.

### 3.7 Host groups and Menu groups

Menu creation Information

Basic information :

**Id :** Auto-input

**Menu name\*** :

**Creation target :** Parameter Sheet(Host/Oper)

**Display order\*** :

**Create as hostgroup menu :**  Yes

**Create as vertical menu ?**  Yes

Last modified : Auto-input

Last updated by : Auto-input

**Target menu group**

**Input\*** : Input

**Substitution value\*** : Substitution value

**Reference\*** : Reference

**Target menu group**

Permission role

**Role :**

**Permission role select**

#### ● Create as Hostgroup menu

If you are creating a parameter sheet for a Host group, check this checkbox.  
(For more information, please refer to 3.9 Hostgroup)

#### ● Menu group

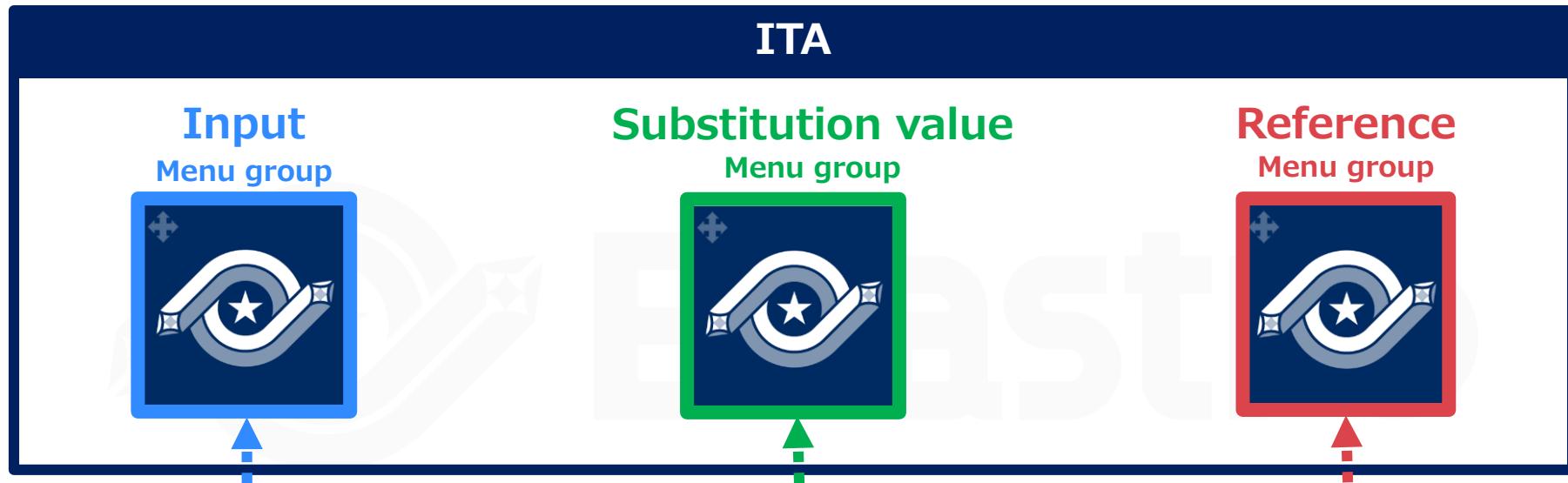
Select the Group the menu is going to belong to.  
All created menus will have the following selected by default.  
(For more information regarding the "Input", "Substitution value " and "Reference" menu groups, please refer to "3.7 Parameter sheet and Menu groups")

Type of sheets	Create as Hostgroup menu	Menu group		
		Input	Substitution value	Reference
Parameter sheet	x	o	o	o
	o	o	o	o
Data sheet		o	x	x

The parameter sheets written above will not be created as vertical menus. For more information regarding vertical menus, please refer to [Exastro-ITA User Instruction Manual Menu creation function](#)

## 3.8 Parameter sheets and menu groups

- The differences between the "Input" "Substitution value" and "Reference" Menu groups are as shown below.
- It is also possible to create your own menu groups(See [Exastro-ITA User Instruction Manual Management console](#)).



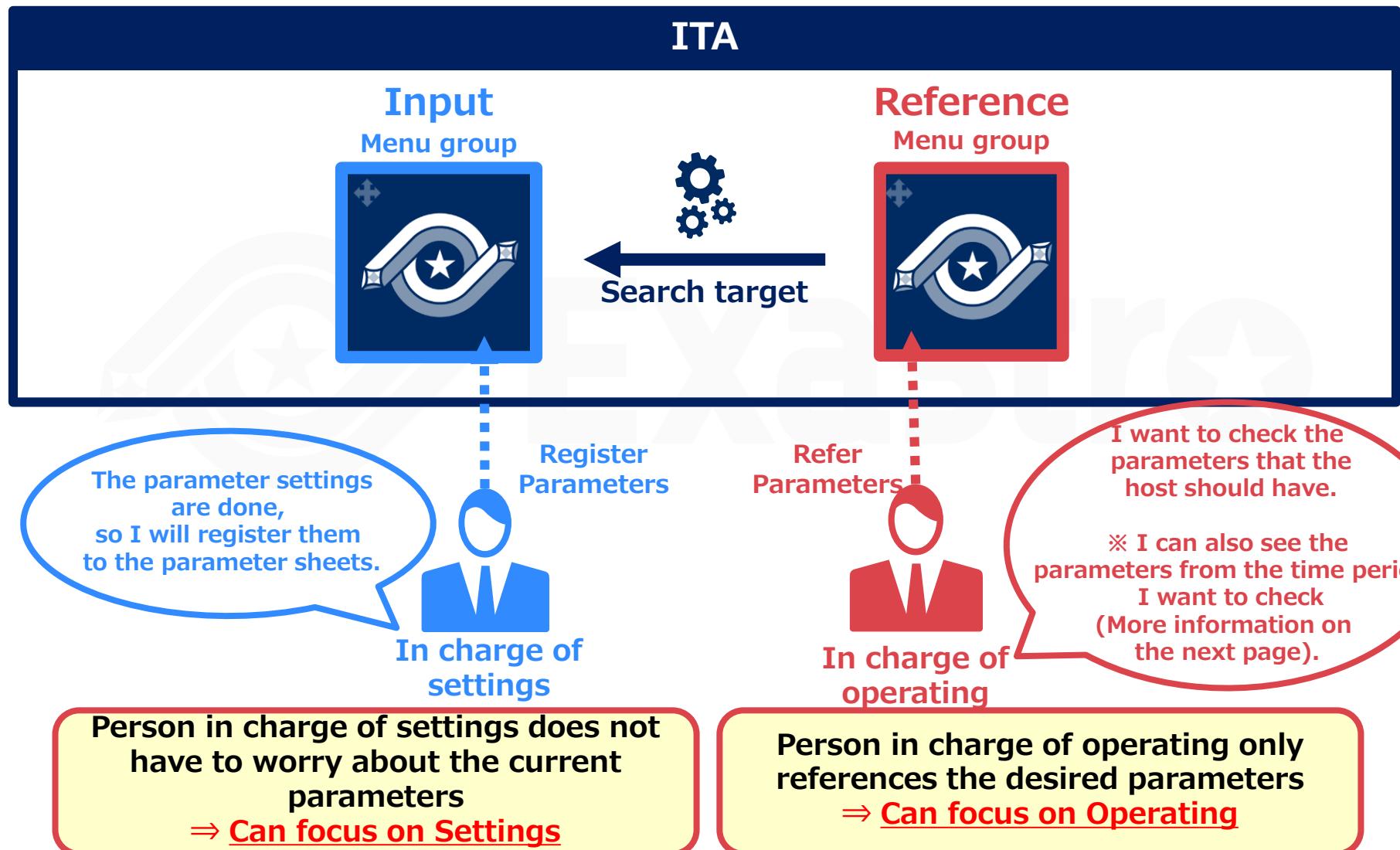
Used for input  
**Can register parameters.**  
Can perform actions such as Registration/Update/delete/review.

Used for viewing  
**Links menus to IaC Variables (For information regarding linking, please see the Practice document).**

Used for viewing  
**Refers the Parameter history information.**

### 3.9 Using the “Input” and “Reference” menu groups

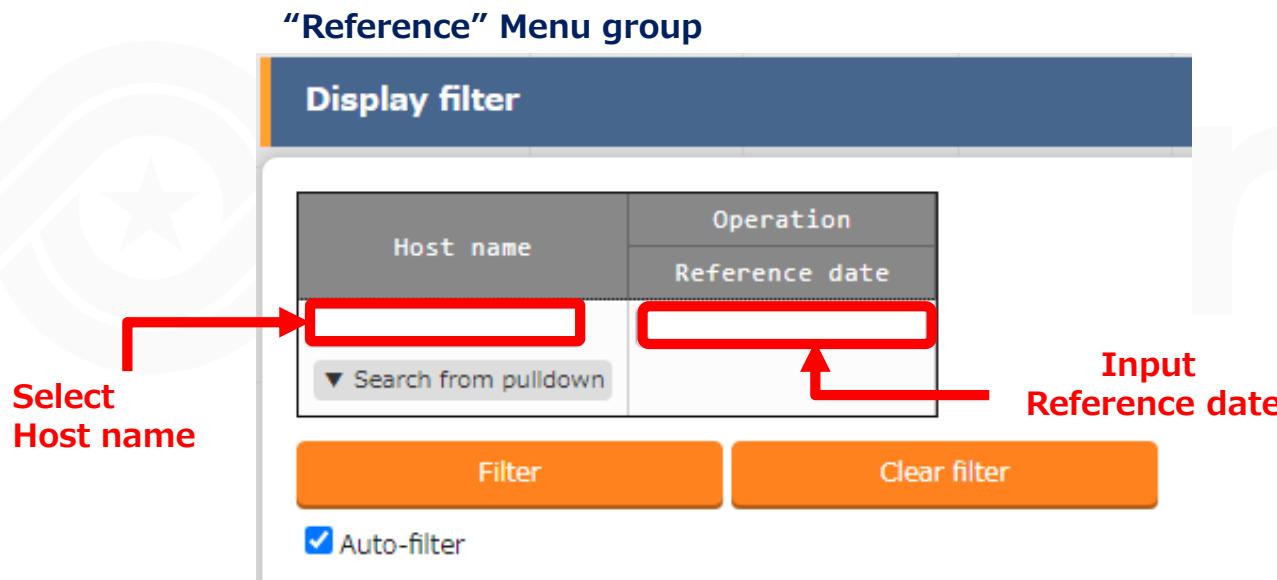
- The “Input” and “Reference” menu groups can be used as shown below.



### 3.9.1 "Reference" menu group (1/2)

In the "Reference" menu, users can use "Host name" and "Reference date" to search for Parameters.

- If nothing is input in the reference date field, the newest data will be displayed when you search.



### 3.9.1 "Reference" menu group (2/2)

#### ● Reference date

⇒ If the corresponding operation has been executed in the past, the "Reference date" will be the "Last update date/time".

If it hasn't been executed before, the "reference date" will be the "Scheduled date"

#### Reference date example

No	Target host	Operation name	Scheduled date	Last update date/time	Reference date
1	Host A	Operation 1	9/1 00:00:00	9/15 00:00:00	<b>9/15 00:00:00</b>
2	Host A	Operation 2	11/1 00:00:00		<b>11/1 00:00:00</b>
3	Host A	Operation 3	12/24 00:00:00		<b>12/24 00:00:00</b>

※ Operation No2 and No3 has not been executed.

### 3.9.2 "Reference" Menu group example(1/5)

Pre condition

**Case 1-4 will be executed on the 10/1(Execution date)**

Parameter sheet

Host	Operation	Operation Standard Time/Date	Parameter A	...
Host A	Operation 1	9/15 00:00:00	AAA	...
Host A	Operation 2	11/1 00:00:00	BBB	...
Host A	Operation 3	12/24 00:00:00	CCC	...

[Host A's work schedule]

Operation set to Parameter A as host.

Operation 1  
set "AAA"

Execution date

Operation 2  
set "BBB"

Operation 3  
set "CCC"

9/15

10/1

11/1

12/24

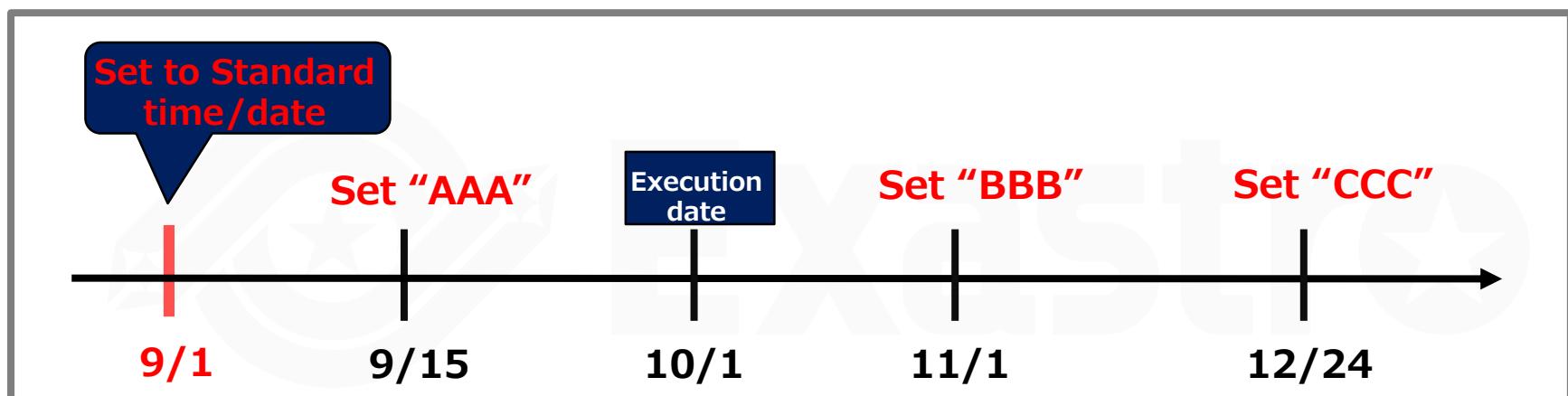
Standard time/date(Time is shortened)

### 3.9.2 "Reference" Menu group example(2/5)

Case①

Setting 「9/1 00:00:00」 and executing search.

【Host A's work schedule's standard time and date.】



Host	Operation	Operation standard time/date	Parameter A	...
Host A	Operation 1	9/15 00:00:00	AAA	...
Host A	Operation 2	11/1 00:00:00	BBB	...
Host A	Operation 3	12/24 00:00:00	CCC	...

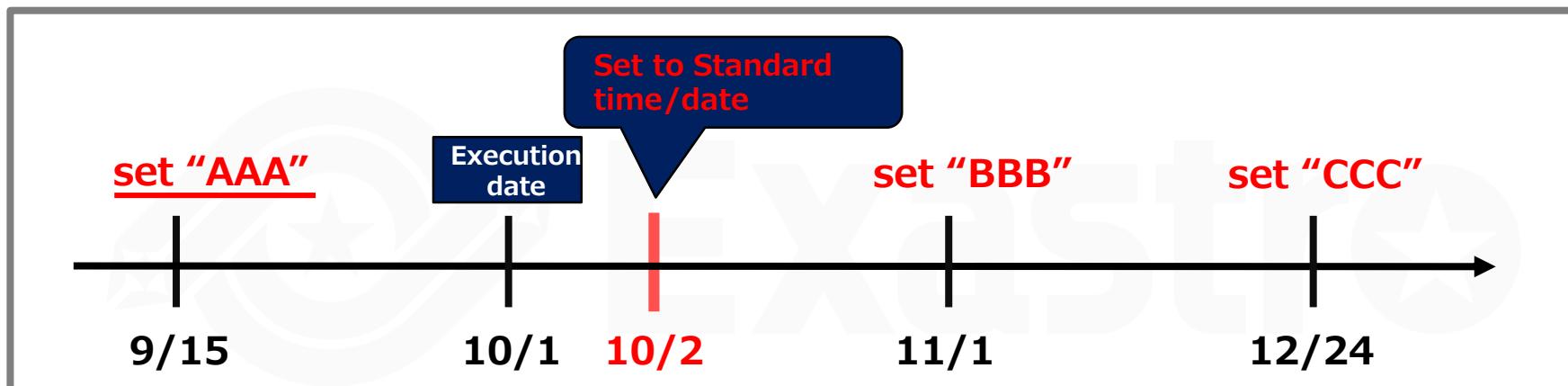
- Since no parameter settings are set by now (9/1), there will be no corresponding search results

### 3.9.2 "Reference" Menu group example(3/5)

Case②

Setting the standard time/date to 「10/2 00:00:00」 and executing search.

[Host A's work schedule's standard time and date.]



Host	Operation	Operation standard time/date	Parameter A	...
Host A	Operation 1	9/15 00:00:00	AAA	...
Host A	Operation 2	11/1 00:00:00	BBB	...
Host A	Operation 3	12/24 00:00:00	CCC	...

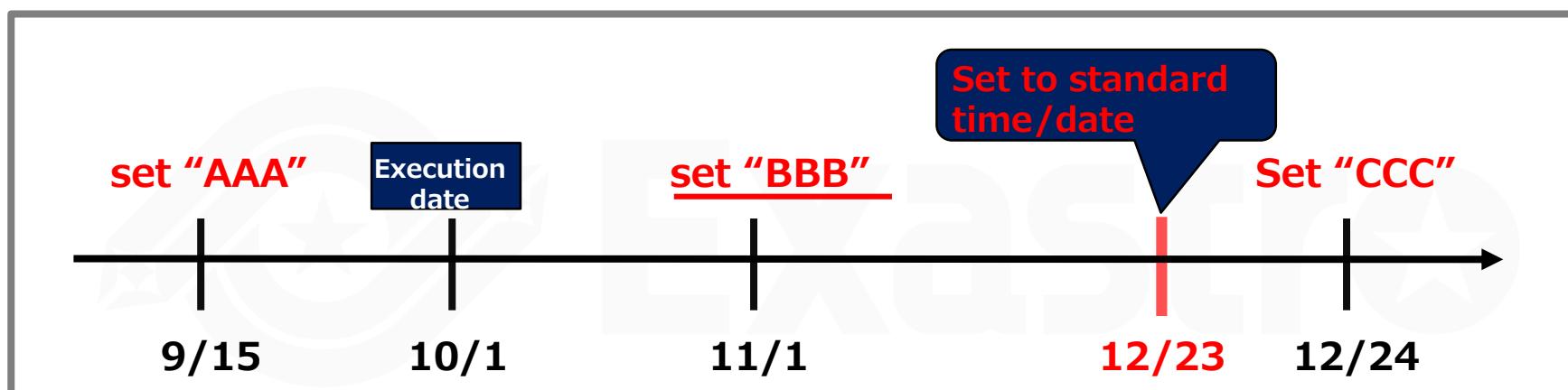
- Since AAA is set to Parameter A now (1/2), AAA Will show up in the search results.

### 3.9.2 "Reference" Menu group example(4/5)

Case ③

Setting the standard time/date to 「**12/23  
00:00:00**」 and executing search.

[Host A's work schedule's standard time and date.]



Host	Operation	Operation standard time/date	Parameter A	...
Host A	Operation 1	9/15 00:00:00	AAA	...
Host A	Operation 2	11/1 00:00:00	BBB	...
Host A	Operation 3	12/24 00:00:00	CCC	...

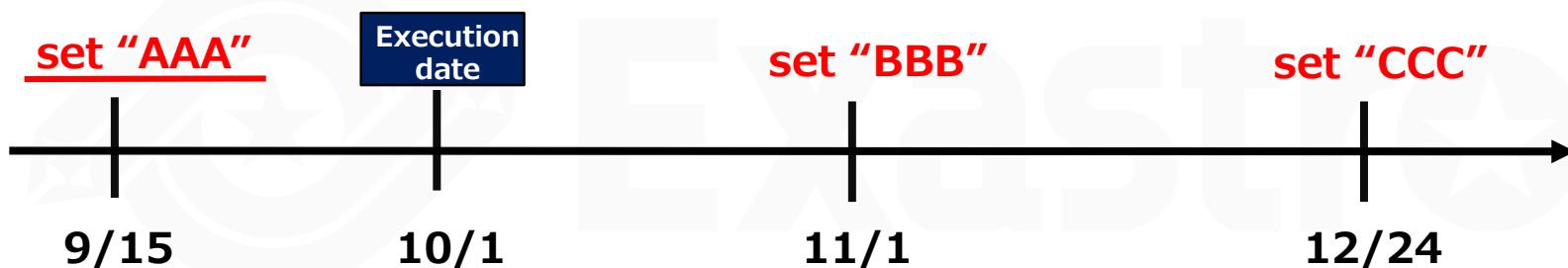
- Since BBB is set to Parameter A by now (12/23), BBB will show up in the search results.

### 3.9.2 "Reference" Menu group example(5/5)

Case③

Leaving the standard time **blank** and executing a search.

[Host A's work schedule's standard time and date.]

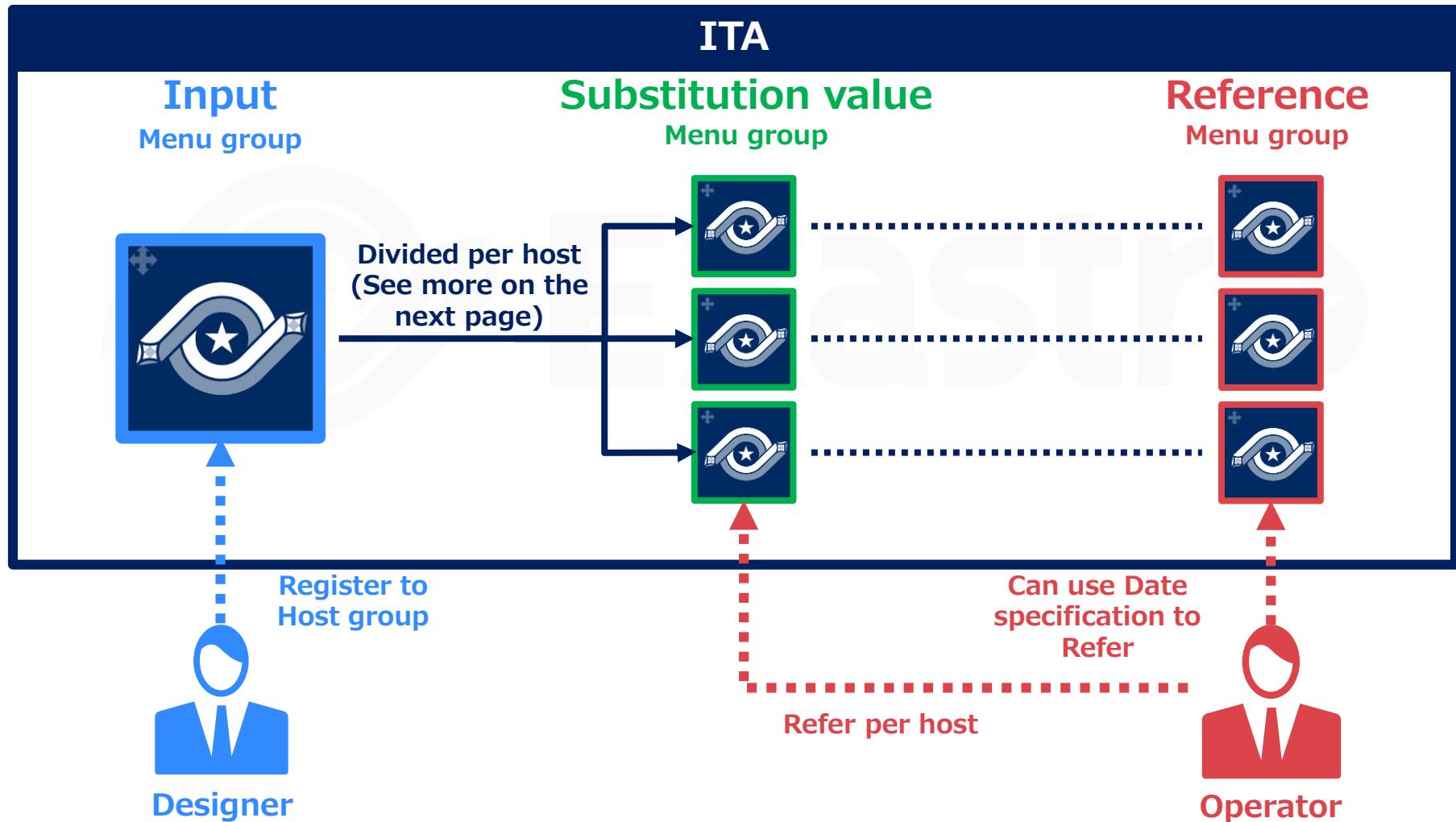


Host	Operation	Operation standard time/date	ParameterA	...
Host A	Operation 1	9/15 00:00:00	AAA	...
Host A	Operation 2	11/1 00:00:00	BBB	...
Host A	Operation 3	12/24 00:00:00	CCC	...

- **Searching when the standard time is left blank will display the latest values from when the search was executed as search results. Therefore, AAA will be displayed in the search results.**

## 3.10 Host groups

- If you checked the "Create as Hostgroup menu" when you created the menu, the host group can be selected as a registration item inside the menu.
- The relationship between the "Registration value" menu and the "Reference" menu is illustrated in the figure below.



### 3.10.1 Parameter sheet division when host groups are used

- Parameter sheets with "For host" purposes` Menu group for Host`s parameter will be divided per hosts and automatically registered to parameter sheets for hosts.

#### Dividing menu groups for host groups` parameter sheets

Parameter sheet for Menu group for Host groups

Host group name	Operation	Parameter 1	Parameter 2	Parameter 3
DB server group	Operation A	AAA	CCC	EEE
WEB server group	Operation A	BBB	DDD	FFF

Divide

Host A and B belongs to Host Group DB Server group.  
Host C and D belongs to Host group Web Server group.

Parameter sheet after division

Host name	Operation	Parameter 1	Parameter 2	Parameter 3
Host A	Operation A	AAA	CCC	EEE
Host B	Operation A	AAA	CCC	EEE
Host C	Operation A	BBB	DDD	FFF
Host D	Operation A	BBB	DDD	FFF

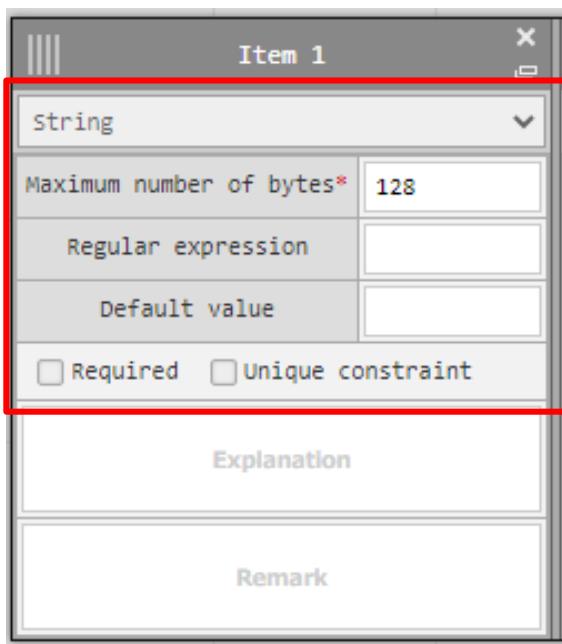
Registration



Parameter sheet for Host

## 3.11 Item registration

Following functions are available in parameter sheet · data sheet item



Item	Description
Maximum number of bytes	<ul style="list-style-type: none"><li>Input maximum number of bytes (8192byte)</li></ul>
Regular expression	<ul style="list-style-type: none"><li>Assign regular expression for string and restrict input string pattern.</li></ul>
Default value	<ul style="list-style-type: none"><li>When default value is selected, value is already inputted in created menu.</li></ul>
Required	<ul style="list-style-type: none"><li>Input is required when checked.</li></ul>
Unique constraint	<ul style="list-style-type: none"><li>Input string becomes unique when checked.</li><li>Unique constraint in multiple item is available.</li></ul>

### ※ Unique constraint—(multiple item)

- Unique constraint is system to control registration of same record in multiple record when registering data in created menu.
- Refer to [利用手順マニュアル メニュー作成機能](#) 『5.2 (B) "menu creation information" tab』 for reference.

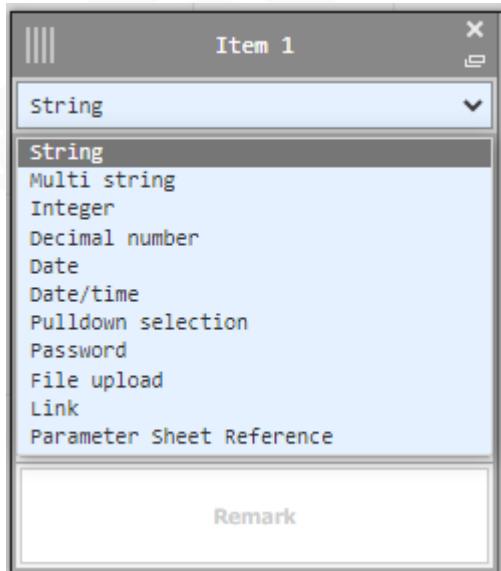
※ 詳細は [「Exastro-ITA 利用手順マニュアル メニュー作成機能」](#) を参照

### 3.11.1 Input method : String

If "String (single/multiple)" is selected, sting can be registered in value input list.

When selecting input method

Select String(single/multiple)



In the menu

Register string

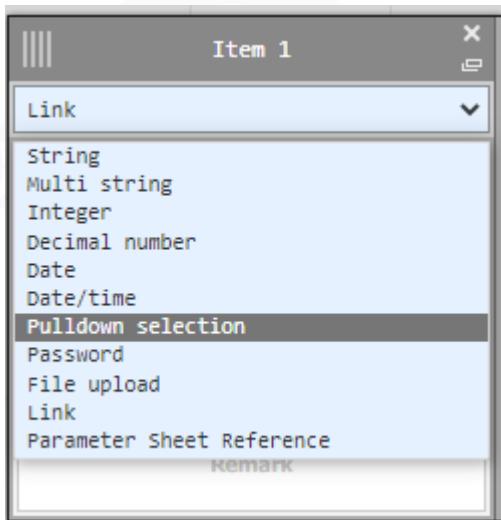


## 3.11.2 Input method : Pulldown selection (1/5)

If "pulldown" is selected, a pulldown menu will be displayed in the input field. This list can reference values registered in other menus.

### When selecting input method

Select “Pulldown selection”



### In the menu

A pulldown is displayed, and values registered in other menus can be referenced.



By using a pulldown selection, users can prevent spelling errors and other writing inconsistencies.

## 3.11.2 Input method : Pulldown selection (2/5)

### Source menu and destination menu

- When using Pulldown selection, data registered in the source menu will be referenced and displayed in the pulldown menu.
- Both the source menu and the items you want displayed must be selected in the "Reference item" when creating the destination menu.

#### (Example)

##### Source menu

The values registered under the "Item" in the source menu are

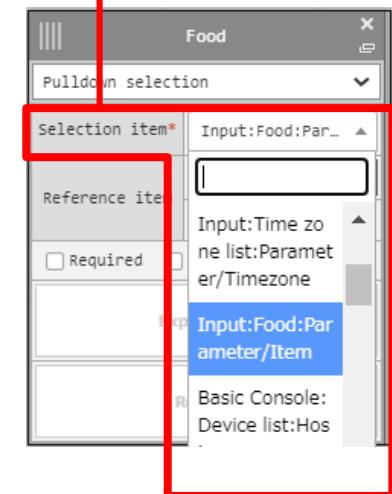
History	Update	Discard	No	Item	Color	Category
History	Update	Discard	1	Apple	Red	Fruit
History	Update	Discard	2	Banana	Yellow	Fruit
History	Update	Discard	3	Melon	Green	Fruit
History	Update	Discard	4	Tomato	Red	Vegetable
History	Update	Discard	5	Corn	Yellow	Vegetable
History	Update	Discard	6	Broccoli	Green	Vegetable

##### Destination menu

Displayed in the pulldown selection in the destination menu.



**Selection Item**  
In the Selection Item box, select the Item that you want displayed.



## 3.11.2 Input method : Pulldown selection (3/5)

### "Selection item" field

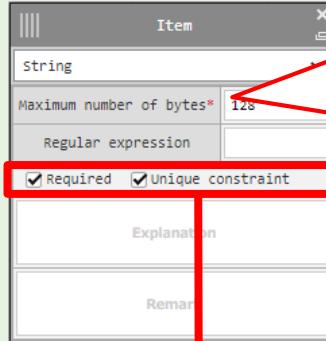
- Menus and items selectable in the "Selection item" field can be both one of the default menus or an user created one.
- If you want to select a user created one, make sure that the source menu's item has both "Required" and "Unique constraint" boxes checked (See below).

※ Please refer to chapter 8.5 in [Exastro-ITA User Instruction Manual Menu creation function](#)

#### (Example)

Source menu

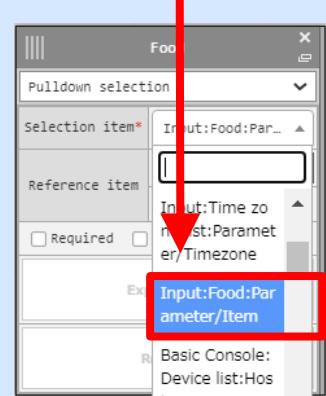
If both the “Required” and “Unique Constraint” box are checked,



The input method can either be "String", "Multi string", "Integer", Decimal Number", "Date", "Date/Time" or "Link".

Destination menu

The item will be selectable in the "Selection item" field.



## 3.11.2 Input method : Pulldown selection (4/5)

### Reference Items field

- It is possible to have multiple items referenced as a set from the source menu. Once you have selected an item for the "Selection item", select the other items from the "Reference items" screen.
- If a default menu was selected, the "reference items" will display default items(※)  
※ For more information, please refer to Chapter 8.6 in [Exastro-ITA User Instruction Manual Menu creation function](#)

### (Example)

Source menu

The item selected in the "Reference Item",

History	Update	Discard	No	Item	Color	Category
History	Update	Discard	No	1 Apple	Red	Fruit

Destination menu

Is displayed in the Destination Menu's "List/Update" field.

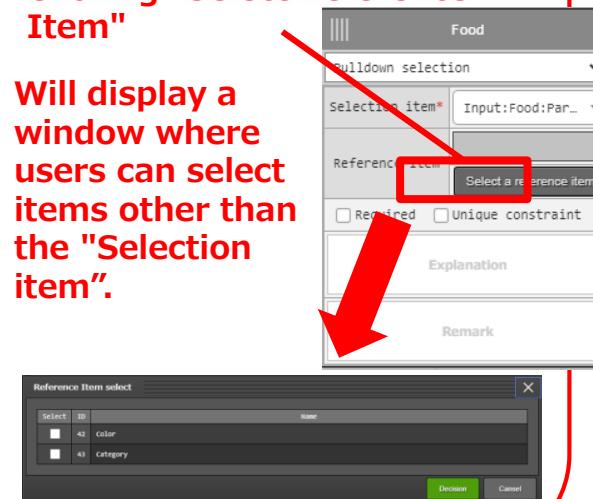
List/Update				Parameter		
History	Update	Discard	No	Food	Color	Category
History	Update	Discard	No	1 Apple	Red	Fruit

Selected item

Reference items

Reference item  
Clicking "Select Reference Item"

Will display a window where users can select items other than the "Selection item".



## 3.11.2 Input method : Pulldown selection (5/5)

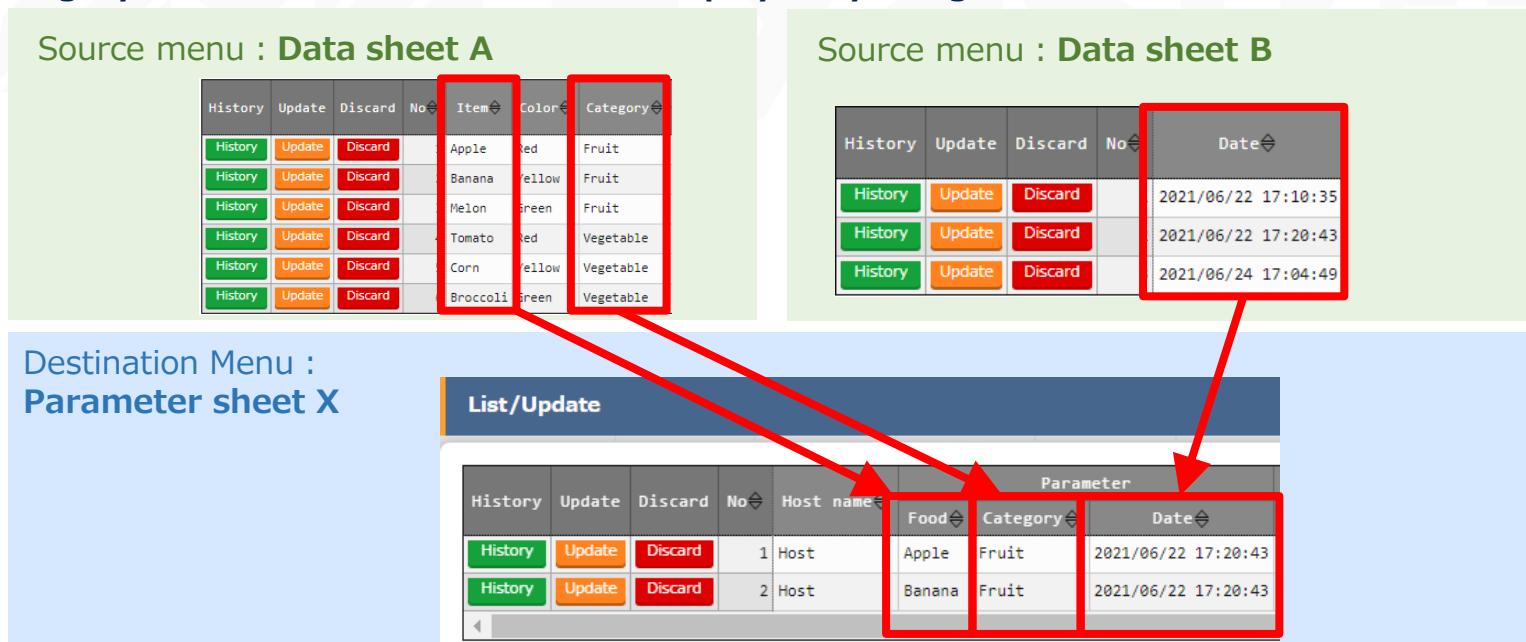
### Using "Pulldown Selection"

By using "Pulldown Selection", users can manage data like in the example illustrated below.

- ① Make the Source menu a Data sheet and the Destination a Parameter sheet. That way, users can divide fixed records and flexible records if needed.
- ② Link multiple source menus to one destination menu and collect only the necessary data.
- ③ When linking multiple items from the source menu, use "Reference Items" to decrease workload and save time.

#### (Example)

Reference one part from both Data sheet A and B to Parameter sheet X with Pulldown Selection.  
The "Category" item in Parameter sheet X is displayed by using "Reference item".

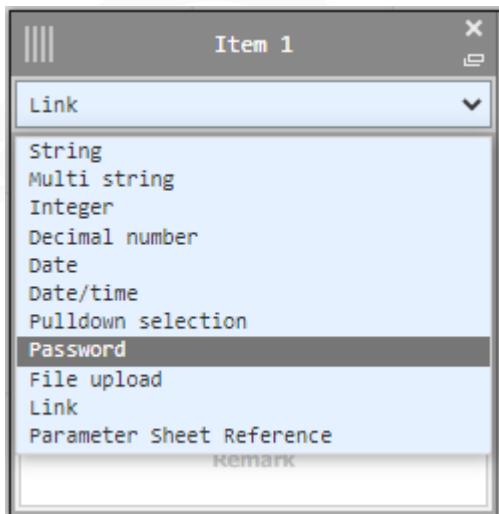


### 3.11.3 Input method : Password

If "Password" is selected, the item will be an item where input text will be hidden with "●"  
(The characters will only be shown if the eye mark inside the text box is pressed.)

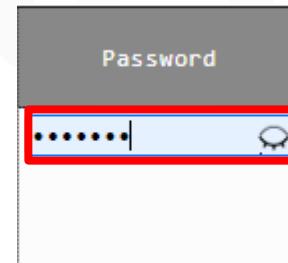
#### When selecting input method

##### Select "Password"



#### In the menu

The item is an text box where the text is hidden with "●".  
After registration, the item will display "\*\*\*\*\*" and the item cannot be referred.



The text will only be displayed when the eye clicked.



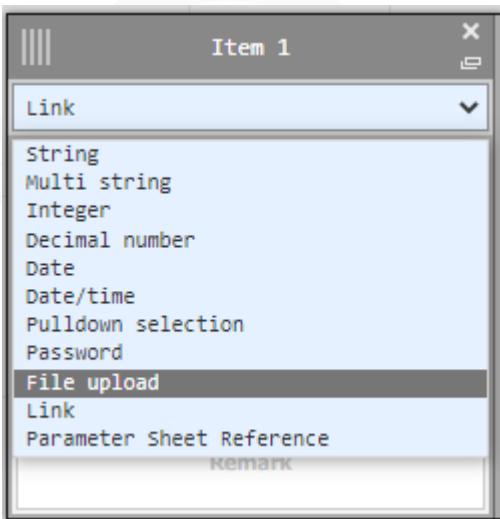
### 3.11.4 Input method : File Upload

This item allows users to upload files.

If "File upload" is selected, the item will contain 2 buttons. one button for browsing file and one button for uploading it.

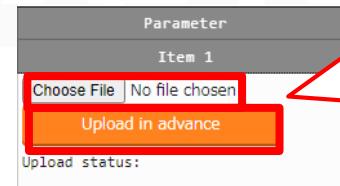
When selecting input method

Select "File Upload"

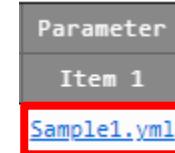


In the menu

Users can their own files.  
Users can then download the  
any uploaded files if they are  
registered.



Press the  
"Register" button  
after pressing the  
"Upload in advance" button.

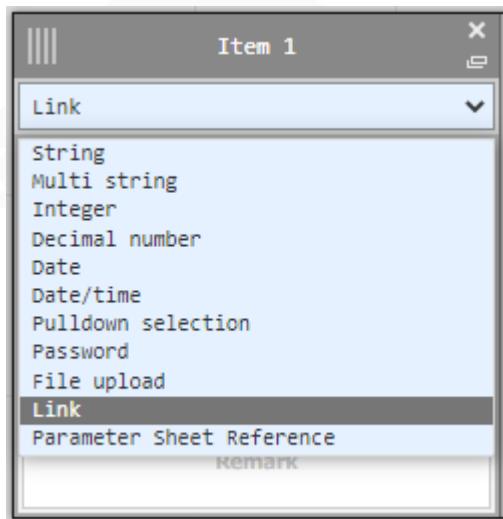


### 3.11.5 Input method : Link

If "Link" is selected, the item will contain a text box where users can input an URL that can be pressed when registered.

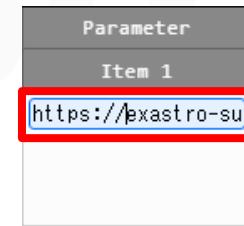
#### When selecting input method

Select “Link”



#### In the menu

First input an URL and register.  
You can now see that the  
registered record now  
contains a link.

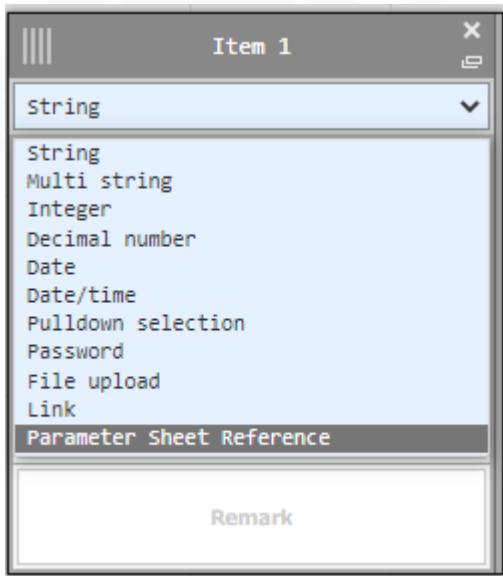


### 3.11.6 Input method : Parameter sheet reference

**Matched record will be referenced when data is registered in created menu “parameter sheet(Operation)”**

**When selecting input method**

**Select “parameter sheet reference”**



**In the menu**

**When data is registered, operation with matched record value is referenced from selected menu item on parameter sheet**

Item No.	HostGroup name*	Operation	Host name*	Access permission
Auto-input		<input type="text"/>	<input type="text"/>	<input type="button" value="Setting"/>



Host name*	ID*	Operation name*	Reference date*	Scheduled date for execution*	Last execution date*	package_name*	package_name_sub*
targethost	3	Install Apache	2022/01/26 14:06	2022/01/26 14:06		httpd	



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