



# IT Automation

## Host group management Menu creation 【Practice】

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

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# 1. Introduction



# 1.1 About this document

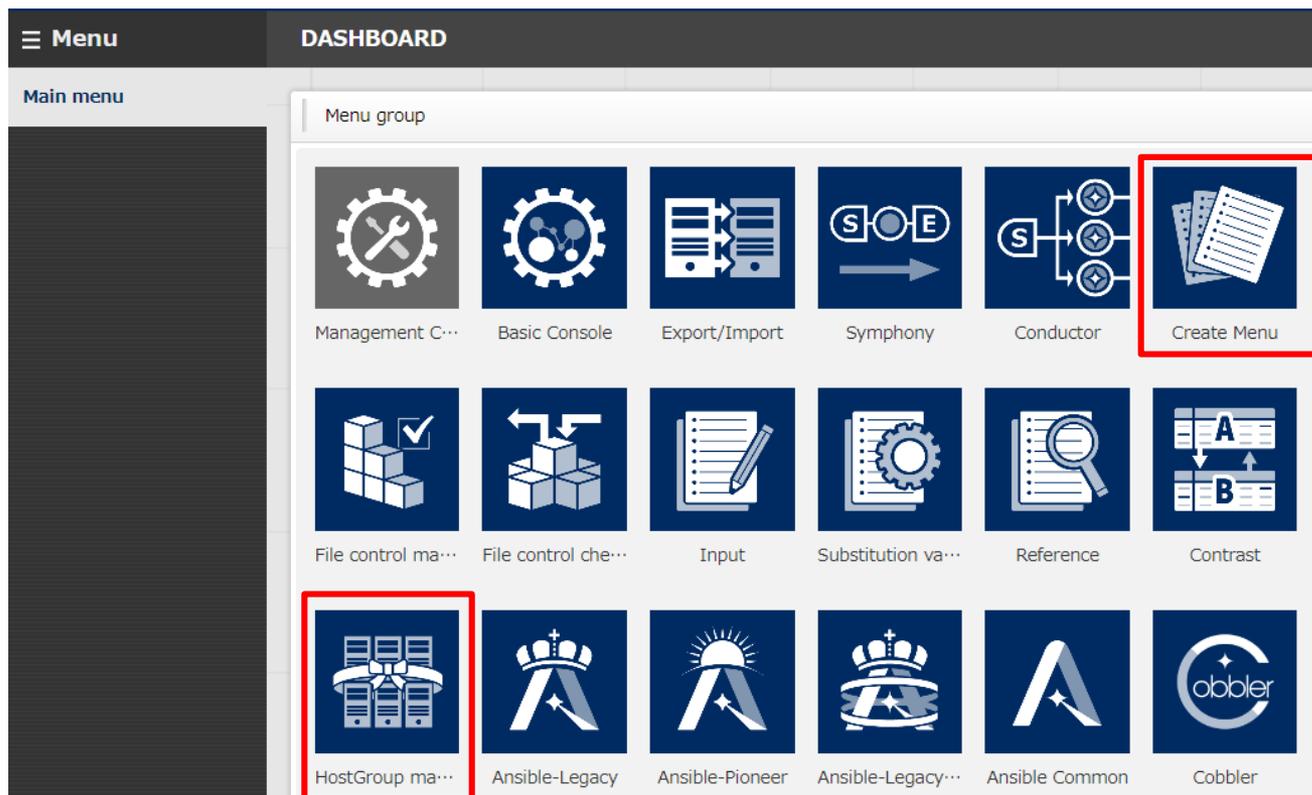
## About this document

This document will guide users through a practice scenario where users will be able to get some hands on experience to get a deeper understanding about the following functions.

We will use Ansible Legacy to execute the operations.

This document covers the following menu groups:

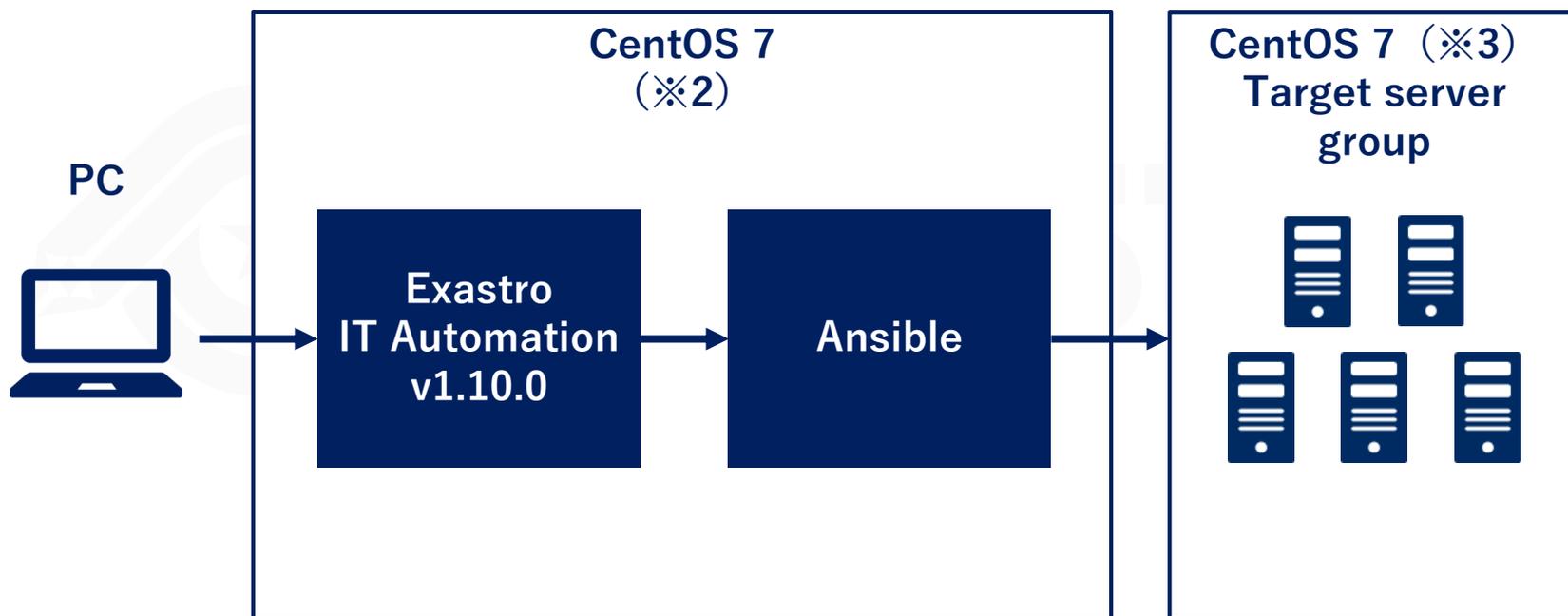
- Host group Management
- Create menu



# 1.2 Work Environment

## Work environment

- The work environment used in this document is as follows.
- Please prepare **5 servers** in addition to the ITA Host server.(※1)



※1 While we recommend that you prepare 5 servers in order to get the best experience, it is possible to complete this scenario with 3~4 servers.

※2 ITA can be installed on OS RHEL7 and RHEL8.

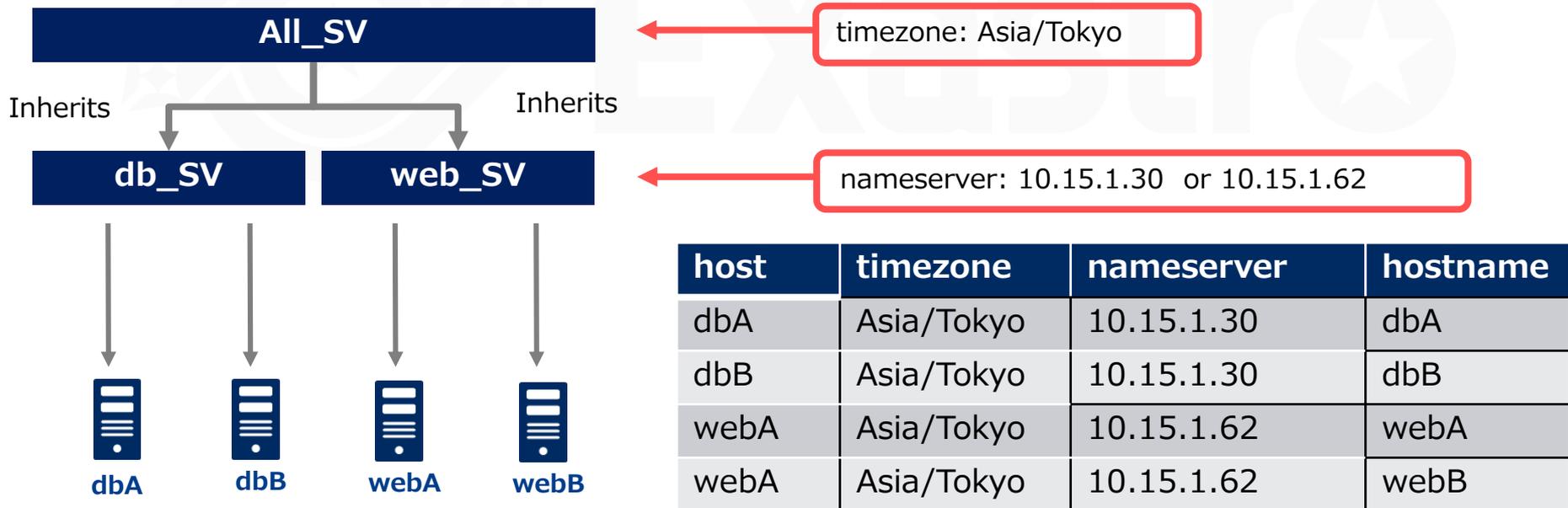
※3 Any OS compatible with Ansible can be used.

# 1.3 Scenario (1/2)

## Scenario 1. Set basic settings for the whole server

In this scenario, we will use the host group and menu creation functions to do the following:

- ① Set a common time zone for the "ALL\_SV" parent host group.
- ② Set different DNS server IP addresses for the "db\_SV" and "web\_SV" child host groups
- ③ Set individual host names for all of the host.



# 1.3 Scenario (2/2)

## Scenario 2 - Execute only on the additional server

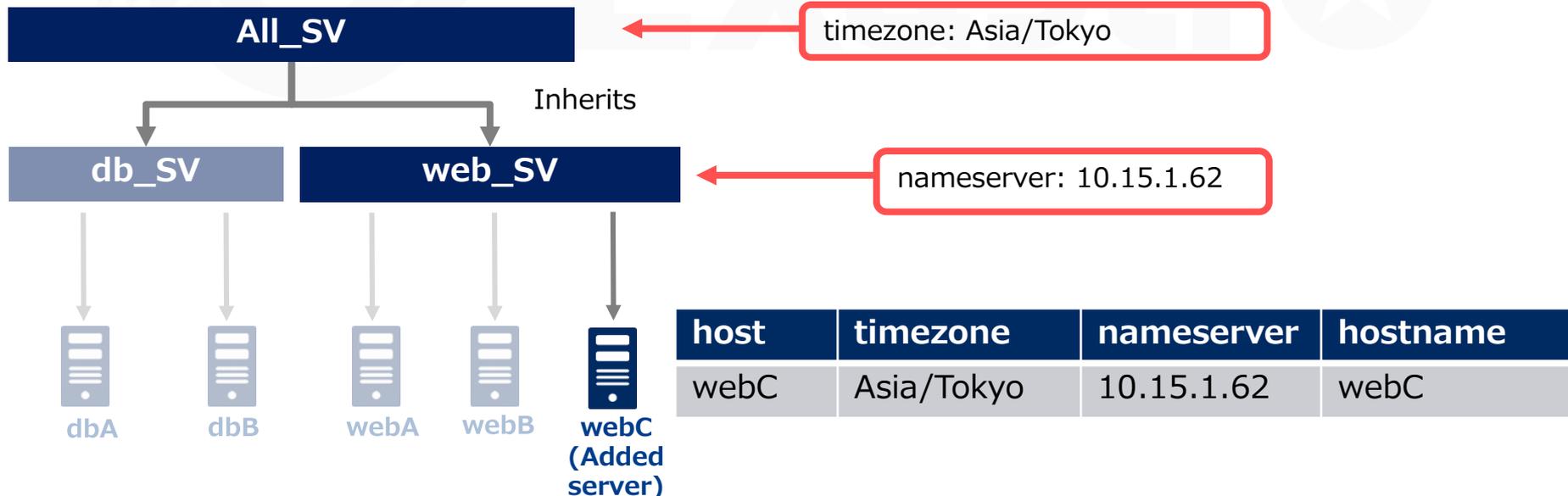
This scenario starts with the assumption that the reader has already completed Scenario 1. If the playbook is idempotent,

- 1) Add the additional server to host group.
- 2) Execute the same operation settings one more time.

Note that there are some playbooks that are not idempotent, such as those that add information to files.

If those are repeatedly applied to the same host, errors might occur.

Taking that into consideration, all of the operations in scenario 2 will take place on the additional server(s). The contents of the Conductor are the same as the ones in scenario 1.

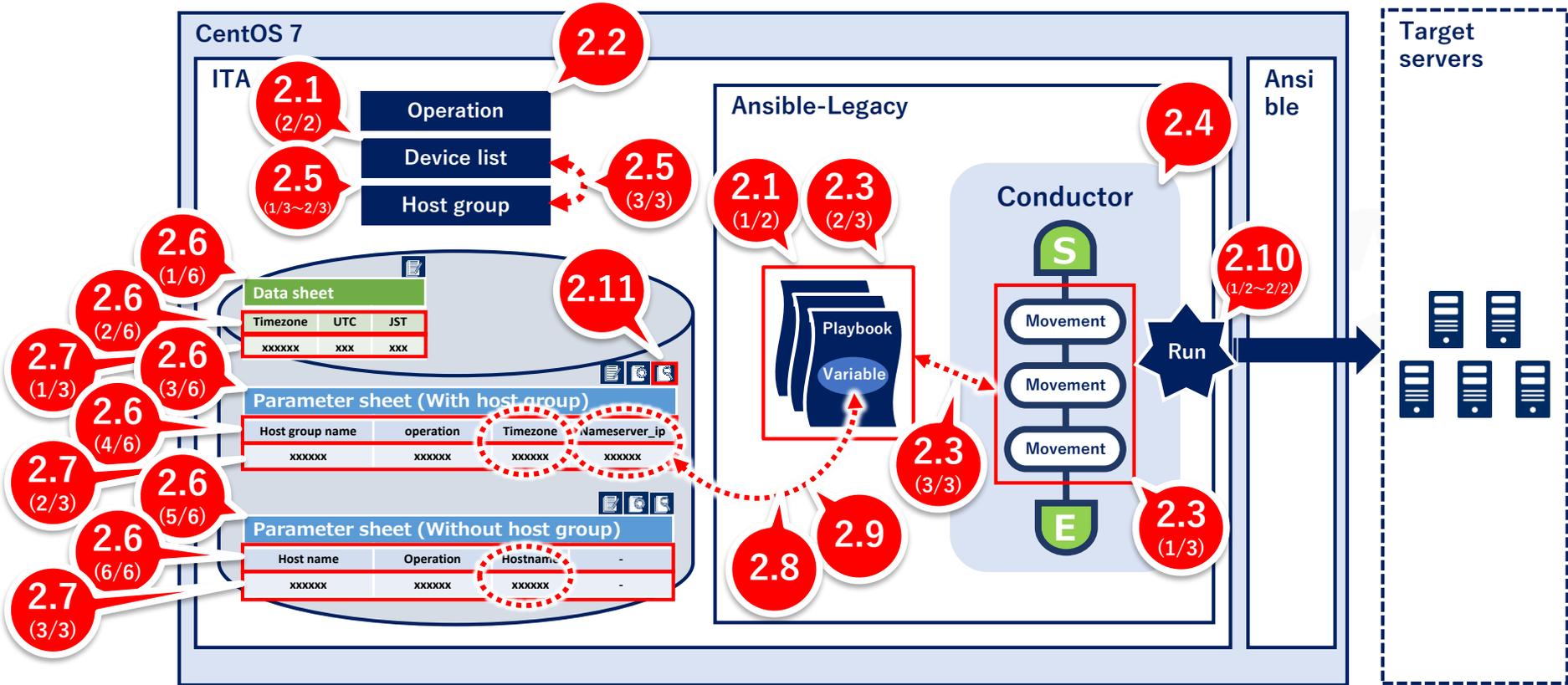


## 2. Practice Scenario 1

# Scenario 1 - Overview

The figure below illustrates the operations in Scenario 1.

- [Click here to jump to the scenario](#)



## 2.1 Preparation (1/2)

### Playbook creation

This scenario will use the following three playbooks.  
Please use the following contents to make 3 different files.

#### [Caution]

- Create the yml file with Character code " UTF-8 without BOM", New line code "LF".
- Make sure that the indents are valid when copying the source code.

```
- name: Set Timezone
  timezone:
    name: "{{ VAR_locale_timezone }}"
```

#### File name: 1-set\_timezone.yml

Changes the time zone to the specified value.

In this scenario, all host`s common value will be substituted.

```
- name: Add Nameserver
  shell: 'echo nameserver {{ VAR_nameserver_ip }} >>
/etc/resolv.conf'
```

#### File name: 2-set\_nameserver.yml

Adds postscript to /etc/resolv.conf.

This will only be run once per host, since it is not idempotent.

```
- name: Set Hostname
  hostname:
    name: "{{ VAR_hostname }}"
```

#### File name: 3-set\_hostname.yml

Changes the hosts name.

In this scenario, the hosts will have it`s value substituted.

# 2.1 Preparation (2/2)

## Register target host

In this step, we will register the host that will execute the operations.

For this scenario, we will register 5 servers.

※ webC is used in scenario 2.

Menu : **Basic Console > Device list**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

The screenshot shows a registration form with several sections. Red boxes highlight the following fields: HW device type, Host name, IP address, Login user ID, Management, and Login password. A blue dashed arrow points from the Management field to the Authentication method field.

Item	HW Device type	Host name	IP Address	Login user ID	Management	Login password	Authentication method
Server1	SV	webA	Target device IP Address	(Input free value)	●	(Input free value)	Password authentication
Server2		webB					
Server3		dbA					
Server4		dbB					
Server5		webC					

# 2.2 Register Operation

## Register new operation

Follow the instructions below and create an Operation.

### Menu : Basic Console > Operation list

- ① Click Register > Start Registration.
- ② Input the following information for each item and click "Register".

Register

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

※\*is a required item.

Operation name	Scheduled date for execution
Basic settings all	(Enter free value)

※ "Scheduled date for execution" is just an item for management. It will not be executed automatically.

## 2.3 Configure Movement (1/3)

### Create Movement

Register the Movements that is going to be linked with the playbooks.

Menu : **Ansible-Legacy > Movement list**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

Movement ID	Movement Name*	Delay timer	Host specific format	WinRM connection	Dedicated information for ansible	
					Header section	
	Auto-input					

※\*is a required item.

[Back](#) [Register](#)

Movement name	Host specification format
Set Timezone	IP
Set Hostname	IP
Add Nameserver	IP

## 2.3 Configure Movement (2/3)

### Register playbook

Register the previously created Playbooks to ITA.

#### Menu : Ansible-Legacy > Playbook files

- ① Click Register > Start Registration.
- ② Select the playbooks from "Browser" and click "Upload in advance".
- ③ Input the following information for each item and click "Register".

Playbook ID	Playbook name*	Playbook files*	Remarks	Last update date/Time
Auto-input	<input type="text"/>	Choose File   No file chosen <input type="button" value="Upload in advance"/> Upload status:	<input type="text"/>	Auto-input

\* is a required item.

Playbook file name	Playbook file
set_timezone	1-set_timezone.yml
add_nameserver	2-.set_nameserver.yml
set_hostname	3-set_hostname.yml

## 2.3 Configure Movement(3/3)

### Register the playbook to Movement.

Link the previously created Movement and Playbook files.

#### Menu : Ansible-Legacy > Movement details

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

Associated item No.	Movement*	Playbook files*	Include order*	Remarks
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>	

※\*is a required item.

[Back](#) [Register](#)

#### Related table

Movement	Playbook file	Include order
Set Timezone	set_timezone	1
Add Nameserver	add_nameserver	1
Set Hostname	set_hostname	1

# 2.4 Create Conductor

## Create Conductor

Create a Conductor that collects the defined Movements.

Menu: **Conductor > Conductor class edit**

The screenshot shows the Exastro Conductor interface. At the top, the user is logged in as 'System Administrator'. The main area displays a workflow diagram with nodes: Start (S), Set Timezone (4), Add Nameserver (6), Set Hostname (5), and End (E). A table below the diagram lists the movements in order. A list of movements is shown on the right, with the required ones (4, 5, 6) highlighted. Callouts provide instructions for each step.

**1** Input Conductor name.  
Conductor name: Server basic setting

**2** Add the required Movements by dragging and dropping.

**3** Connect the nodes to each other.

Movement	Order
Set Timezone	1
Add Nameserver	2
Set Hostname	3

**4** Click "Registration".

## 2.5 Configure Host groups (1/3)

### Define host groups

Follow the steps below and create 3 different host groups.  
The previously created hosts will be connected to these host groups.

Menu : **Host group management > Host group management**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

Host Group ID	HostGroup name*	Priority (larger value is higher)*
Auto-input	<input type="text"/>	<input type="text"/>

※\*is a required item.

Back

Register

Host group name	Priority order
All_SV	1
web_SV	2
db_SV	3

## 2.5 Configure Host groups (2/3)

### Define the parent-child relationship of host groups

Define the host groups' parent-child relationship.

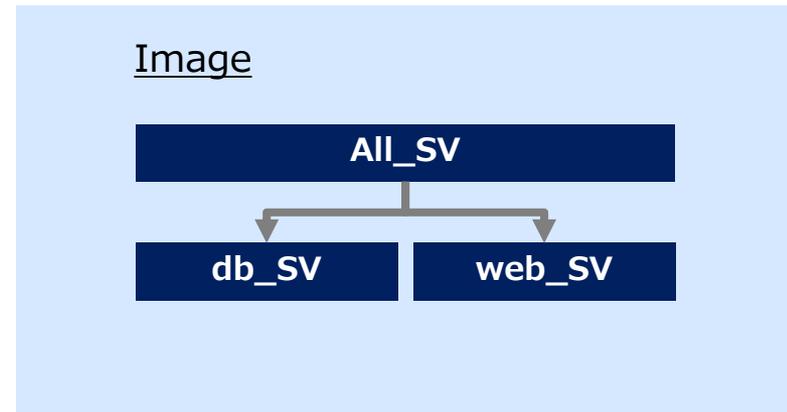
Menu : **Host group management > Host group parent-child link list**

- ① Click Register > Start Registration.
- ② Select the following information for each item and click "Register".

Register

Item No.	HostGroup	
	Parent*	Child*
Auto-input	<input type="text"/>	<input type="text"/>

Host group	
Parent	Child
All_SV	db_SV
All_SV	web_SV



## 2.5 Configure Host groups (3/3)

### Register the hosts to host groups

Link the target hosts to the host groups.

Menu : **Host group management > Host link list**

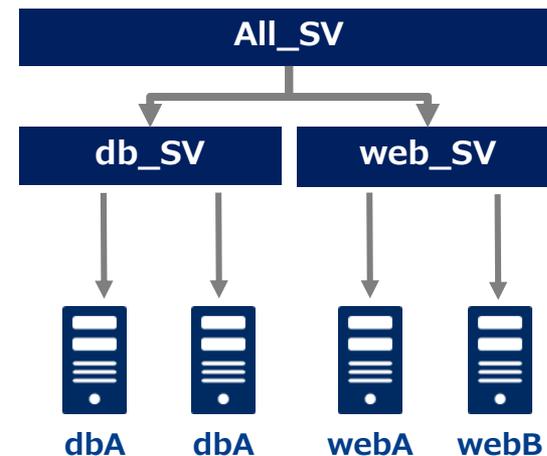
- ① Click Register > Start Registration.
- ② Select the following information for each item and click "Register".

Register

Item No.	HostGroup name*	Operation	Host name
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>

Host group name	Operation	Host name
web_SV	Basic settings all	webA
web_SV	Basic settings all	webB
db_SV	Basic settings all	dbA
db_SV	Basic settings all	dbB

Image



## 2.6 Menu list(1/6)

### Create data sheet

Create data sheet.

The value registered here will later be selectable from a pull-down menu.

Menu : **Create menu** > **Create/Define menu**

- ① Input the following information for each item.
- ② Click "Target menu group" and then select "Input".

User name [System Administrator]  
Login ID [administrator]  
Change password Logout

Menu creation information

Basic information

Id : Auto-Input  
Menu name\* :  
Creation target\* : Data Sheet(Master available) ▾  
Display order\* :  
Last modified : Auto-Input  
Last updated by : Auto-Input

Target menu group

Data sheet\* :  
Target menu group

Item name	Input contents
Menu name	Time zone list
Target operation	Data sheet
Display order	1

## 2.6 Menu list(2/6)

### Define the item name of the data sheet

Continuing from the previous section, define the items on the sheet.

Menu : **Create menu** > **Create/Define menu**

- Click "Item" and add a new item.
- Input the following for each of the items.
- Click "Create" at the bottom of the screen.

The screenshot shows a dialog box with three columns for defining items: 'Timezone', 'UTC', and 'JST'. Each column contains a 'String' input type, a 'Maximum number of bytes\*' field set to '32', and 'Required' and 'Unique constraint' checkboxes checked. A red box highlights the 'Item' button and the '32' value. A blue callout '3' points to the 'Item' button, and a blue callout '4' points to the 'Required' and 'Unique constraint' checkboxes.

The screenshot shows a 'List(Preview)' dialog box with a table containing three rows of data. The columns are 'No', 'Timezone', 'UTC', 'JST', 'Remark', and 'Last Mod'. A red box highlights the 'Create' button at the bottom. A blue callout '5' points to the 'Create' button.

Item name	Input method	Maximum no. of bytes	Required	Unique constraint
Timezone	String	32	✓	✓
UTC	String	32	-	-
JST	String	32	-	-

## 2.6 Menu list(3/6)

### Create the menu for the host group

Create a parameter sheet for the host group and manage the parameters that apply to your host group.

Menu : **Create menu > Create/Define menu**

- ① "Basic information" Input the following information for each item.
- ② Leave the Target Menu group as it is with its default values. (Input, Substitution value and Reference)

Menu creation information

Basic information :

Id : Auto-Input

Menu name\* : Parameter for server

Creation target\* : Parameter Sheet(Host/Operatio)

Display order\* : 1

Create as hostgroup menu :  Yes

Create as vertical menu :  No

Last modified : Auto-Input

Last updated by : Auto-Input

Target menu group

Input\* : Input

Substitution value\* : Substitution value

Reference\* : Reference

Target menu group

Item name	Input content
Mnu name	Parameter for server
Creation target	Parameter sheet (Host/Operation)
Display order	1
Create as Hostgroup menu	✓

# 2.6 Menu list(4/6)

## Define the item name of the parameters sheet

Continuing from the previous section, define the items on the sheet.

Menu : **Create menu > Create/Define menu**

- ③ Click "Item" and add a new item.
- ④ Input the following for each of the items.
- ⑤ Click "Create" at the bottom of the screen.

The screenshot shows the 'Create/Define menu' interface. A red dashed box highlights the configuration area for a new item. Callout 3 points to the 'Item' button. Callout 4 points to the configuration fields for 'Timezone' and 'Nameserver\_ip'. Callout 5 points to the 'Create' button. The 'Reference Item select' dialog shows a list of items with checkboxes for selection. The 'List(Preview)' table shows the resulting list of items.

Item name	Input method	Select item	Reference item
Timezone	Pulldown selection	Basic server settings: Timezone list: Parameter/Timezone	UTC,JST

Item name	Input method	Maximum no. of bytes
Nameserver	String	32

## 2.6 Menu list(5/6)

### Create menu without host group

Create a parameter sheet for the host group and manage the parameters that apply to your host group.

Menu : **Create menu** > **Create/Define menu**

- ① "Basic information" Input the following information for each item.
- ② Leave the Target Menu group as it is with its default values. (Input, Substitution value and Reference)

Menu creation information

Basic information :

Id : Auto-Input

Menu name\* : Host name

Creation target\* : Parameter Sheet(Host/Operatio)

Display order\* : 1

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

Item name	Enter content
Menu name	Host name
Creation target	Parameter sheet (Host/Operation)
Display order	1

## 2.6 Menu list(6/6)

### Define the item name of the parameters sheet

Continuing from the previous section, define the items on the sheet.

- Click "Item" and add a new item.
- Input the following for each of the items.
- Click "Create" at the bottom of the screen.

The screenshot shows the 'Item' configuration dialog box. The 'Item' button is highlighted with a red box and a callout '1'. The dialog shows a form for 'Hostname' with a dropdown set to 'String', 'Maximum number of bytes\*' set to '32', and 'Required' and 'Unique constraint' checkboxes. The 'Remark' field is highlighted with a red dashed border and a callout '2'.

The screenshot shows the 'List(Preview)' dialog box. The 'Create' button is highlighted with a red box and a callout '3'. The preview table shows three rows of data.

No	Host name	Operation name	Reference date and time
1	192.168.0.1	Operation	2020/01/01 00:00
2	192.168.0.1	Operation	2020/01/01 00:00
3	192.168.0.1	Operation	2020/01/01 00:00

Item name	Input method	Maximum number of bytes
Hostname	String	32

## 2.7 Data registration(1/3)

### Register data to the data sheet.

The Data and Parameter sheet are now created.  
Move to the created menu and input the data.

#### Menu: **Input> Time zone list**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

No	Timezone*	UTC	JST	Access permission		Remarks	Last update date/time	Last updated by
				Setting	Role to allow access			
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>	Setting			Auto-input	Auto-input

※\*is a required item.

Timezone	UTC	JST
Asia/Tokyo	+9	0
America/New_York	-4	-13

## 2.7 Data registration(2/3)

### Register data to the parameter sheet

Move to the created menu and input the data.

Menu: **Input> Parameter for server**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

No	Host name/Host group name	Operation	Timezone	port_to_open	Nameserver_ip

After registering, we can see both of the reference items, UTC and JST

History	Duplicate	Update	Discard	No	Host name/Host group name	Timezone	Parameter
History	Duplicate	Update	Discard	1	[HG]All_SV	Asia/Tokyo	UTC JST
History	Duplicate	Update	Discard	2	[HG]web_SV	Asia/Tokyo	+9 0
History	Duplicate	Update	Discard	3	[HG]db_SV	Asia/Tokyo	+9 0

#### Point

Users can select from the contents entered in the data sheet in the previous section.

Host name/Host group name	Operation	Timezone	Nameserver
[HG]All_SV	Basic settings all	Asia/Tokyo	10.15.1.30
[HG]web_SV	Basic settings all	Asia/Tokyo	10.15.1.62
[HG]db_SV	Basic settings all	Asia/Tokyo	10.15.1.30

## 2.7 Data registration(3/3)

### Register data to the parameter sheet

Next, register the data from the menu created in the menu group for the host.

Menu: **Input> Host name**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

No	Host name*	Operation Operation*	Parameter Host name
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>

Host name	Operation	Hostname
webA	Basic settings all	webA
webB	Basic settings all	webB
dbA	Basic settings all	dbA
dbB	Basic settings all	dbB

## 2.8 Substitution Value Automatic Registration setting

### Set Substitute Value Automatic Registration settings

Connect the variables to each item after entering the data in the parameter sheet.

Menu: **Ansible-Legacy > Substitution value automatic registration setting**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

Item No.	Parameter sheet		Registration method	Movement	IaC variable				NULL link
	Menu group:Menu	Item			Key variable		Value variable		
					Variable name	Substitution order	Variable name	Substitution order	
Auto-input	<input type="text"/>	Select menu <input type="text"/>	<input type="text"/>	Select Movement <input type="text"/>	Select Movement <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Parameter sheet (from) -Menu group:Menu	Parameter sheet (from) -Item	Registration method	IaC Variable (to) -Movement	IaC variable (to) - Value variable -Variable name
Parameter for server	Timezone	Value type	Set Timezone	VAR_locale_timezone
Parameter for server	Nameserver_ip	Value type	Add Nameserver	VAR_nameserver_ip
Host name	Hostname	Value type	Set Hostname	VAR_hostname

# 2.9 Check Substitution value · Target host

## Check Substitution value and Target host

Check the value specified by the substituted value automatic registration and the target host.

Menu: **Ansible-Legacy > Target host/Substitution value list**

- ① Click "Filter".
- ② Check that the correct value is specified by "legacy substitution value automatic registration setting procedure".

History	Duplicate	Update	Discard	Item No.	Operation	Reversion	Host	Substitution value management	Access permission	Item	Last update date/time	Last updated by
History	Duplicate	Update	Discard	2	4:Install Tomcat	1:Install_Packages	1:targethost	Substitution value management			2022/01/28 12:05:15	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	3	3:Install Apache	2:Open_Ports	1:targethost	Substitution value management			2022/01/28 12:05:23	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	4	4:Install Tomcat	2:Open_Ports	1:targethost	Substitution value management			2022/01/28 16:06:54	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	5	3:Install Apache	3:Start_Service	1:targethost	Substitution value management			2022/01/28 16:08:09	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	6	4:Install Tomcat	3:Start_Service	1:targethost	Substitution value management			2022/01/28 12:05:40	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	7	5:Basic settings all	4:Set_Timezone	2:webA	Substitution value management			2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	8	5:Basic settings all	4:Set_Timezone	3:webB	Substitution value management			2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	9	5:Basic settings all	4:Set_Timezone	4:webA	Substitution value management			2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	10	5:Basic settings all	4:Set_Timezone	5:webB	Substitution value management			2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	11	5:Basic settings all	6:Add_Nameserver	2:webA	Substitution value management			2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	12	5:Basic settings all	6:Add_Nameserver	3:webB	Substitution value management			2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	13	5:Basic settings all	6:Add_Nameserver	4:webA	Substitution value management			2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	14	5:Basic settings all	6:Add_Nameserver	5:webB	Substitution value management			2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	15	5:Basic settings all	4:Set_Timezone	2:webA	Substitution value management			2022/01/28 15:37:50	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	16	5:Basic settings all	4:Set_Timezone	3:webB	Substitution value management			2022/01/28 15:38:05	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	17	5:Basic settings all	4:Set_Timezone	4:webA	Substitution value management			2022/01/28 15:38:19	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	18	5:Basic settings all	4:Set_Timezone	5:webB	Substitution value management			2022/01/28 15:38:34	Legacy substitution value auto-registration sett

Target host

History	Duplicate	Update	Discard	Item No.	Operation	Reversion	Host	Variable name	Specific value		Last update date/time	Last updated by
									Sensitive setting	String Value		
History	Duplicate	Update	Discard	5	3:Install Apache	2:Open_Ports	1:targethost	2:VAR_port_number	OFF	80/tcp	2022/01/28 16:06:54	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	6	4:Install Tomcat	2:Open_Ports	1:targethost	2:VAR_port_number	OFF	8080/tcp	2022/01/28 16:06:54	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	3	3:Install Apache	3:Start_Service	1:targethost	3:VAR_service_name	OFF	httpd	2022/01/28 16:08:09	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	4	4:Install Tomcat	3:Start_Service	1:targethost	3:VAR_service_name	OFF	tomcat	2022/01/28 16:08:09	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	9	5:Basic settings all	4:Set_Timezone	2:webA	4:VAR_locale_timezone	OFF	Asia/Tokyo	2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	10	5:Basic settings all	4:Set_Timezone	3:webB	4:VAR_locale_timezone	OFF	Asia/Tokyo	2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	11	5:Basic settings all	4:Set_Timezone	4:webA	4:VAR_locale_timezone	OFF	Asia/Tokyo	2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	12	5:Basic settings all	4:Set_Timezone	5:webB	4:VAR_locale_timezone	OFF	Asia/Tokyo	2022/01/28 15:36:18	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	13	5:Basic settings all	6:Add_Nameserver	2:webA	5:VAR_nameserver_ip	OFF	10.15.1.62	2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	14	5:Basic settings all	6:Add_Nameserver	3:webB	5:VAR_nameserver_ip	OFF	10.15.1.62	2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	15	5:Basic settings all	6:Add_Nameserver	4:webA	5:VAR_nameserver_ip	OFF	10.15.1.30	2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	16	5:Basic settings all	6:Add_Nameserver	5:webB	5:VAR_nameserver_ip	OFF	10.15.1.30	2022/01/28 15:36:45	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	17	5:Basic settings all	5:Set_Hostname	2:webA	6:VAR_hostname	OFF	webA	2022/01/28 15:37:50	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	18	5:Basic settings all	5:Set_Hostname	3:webB	6:VAR_hostname	OFF	webB	2022/01/28 15:38:05	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	19	5:Basic settings all	5:Set_Hostname	4:webA	6:VAR_hostname	OFF	webA	2022/01/28 15:38:19	Legacy substitution value auto-registration sett
History	Duplicate	Update	Discard	20	5:Basic settings all	5:Set_Hostname	5:webB	6:VAR_hostname	OFF	webB	2022/01/28 15:38:34	Legacy substitution value auto-registration sett

Substitution value list

# 2.10 Conductor execution(1/2)

## Execute Conductor

If you finished the operations in the previous section, the Conductor should be created and the substitute values should be registered.

Finally, execute Conductor and check the result on the target host.

Menu : **Conductor > Conductor execution**

**1** Select "Server basic setting" from the Conductor list.

Select	Conductor class ID	Conductor name	Explanation	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	Server basic setting			2020/09/02 10:28:03	Data portability procedure
<input type="radio"/>	2	Test			2020/10/08 09:26:00	Data portability procedure
<input type="radio"/>	4	Kato TEST1104			2020/11/04 15:16:16	Data portability procedure
<input type="radio"/>	5	conductor1			2020/11/10 16:26:42	Data portability procedure

Filter result count: 4

**2** Select Operation "Basic setting all".

Select	No.	Operation ID	Operation name	Scheduled date for execution	Last execution date	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	1	Operation1	2020/08/27 16:15	2020/12/04 09:21		2020/12/04 09:21:54	Legacy execution procedure
<input type="radio"/>	2	2	Test Operation	2020/10/08 10:00	2020/10/23 16:21		2020/10/23 16:21:05	Legacy execution procedure
<input type="radio"/>	6	6	Basic settings all	2020/10/24 09:54		Test for Host group menu	2020/10/24 09:54:53	Data portability procedure
<input type="radio"/>	7	7	ope1	2020/11/10 14:00			2020/11/10 14:00:49	Data portability procedure
<input type="radio"/>	8	8	OP1	20				

**3** Click "Execution" at the bottom of the screen.

**Tips** The screen will automatically change to the "Conductor Confirmation" screen after executing.

log

Execution

## 2.10 Conductor execution(2/2)

### Check the Conductor Execution results

In the work confirmation screen, you can check the results of the whole execution or execution per node.

Selecting an inputted Movement will show a **link that leads to a more detailed result screen.**

Users can also press the status circle of the nodes to go to the same result screen.

Menu : **Conductor > Conductor confirmation**

**1** Select the node you want to check.

**2** Link and operation information is displayed.

Node

Node type : movement

Node instance ID : 175

Node name : node-3

Status : normal end

Start time : 2020/10/01 06:45:00

End time : 2020/10/01 07:17:18

Operation status : [View Log](#)

Specified individually operation

Operation ID :

Operation name :

Note :

Operation

Operation ID : 11

Operation name :

Log

Emergency stop

## 2.11 Reference parameter sheet confirmation

### Check contents of the reference parameter sheet

By completing the operation in the previous section, the set parameters have now been applied to the target host.

Finally, check the reference parameter sheet and confirm that the update date and time etc. are recorded.

Menu: **Reference > Parameters for server.**

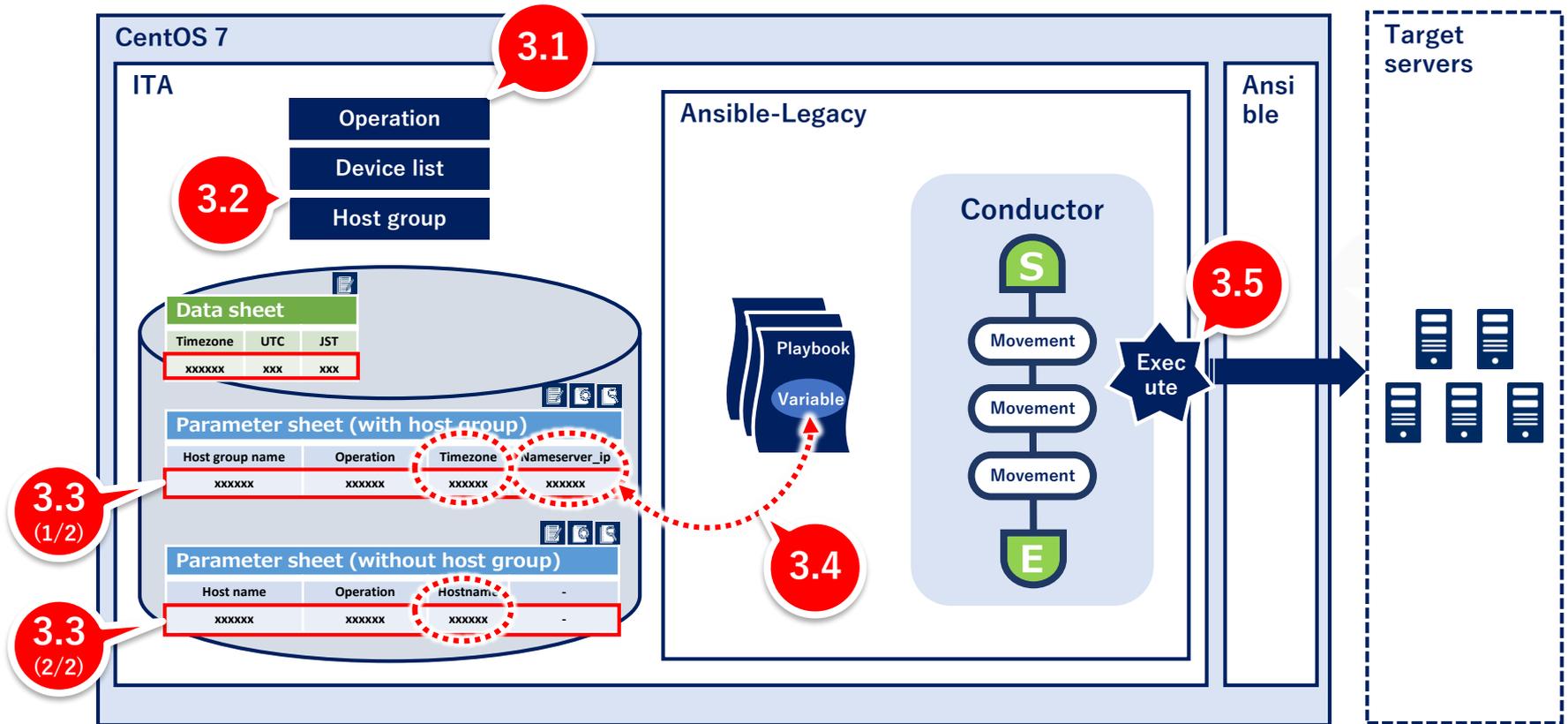
- ① Click "Filter".
- ② Confirm that both "Reference date" and "Last execution date" are updated.

History	No	Host name	Operation			Last update date/time	Last updated by	
			ID	Operation name	Reference date			Last execution date
<a href="#">History</a>	1	webA	5	Basic settings all	2022/01/28 15:41	2022/01/28 15:41	<a href="#">A</a> 2022/01/28 15:32:00	Split hostgroup procedure
<a href="#">History</a>	2	webB	5	Basic settings all	2022/01/28 15:41	2022/01/28 15:41	<a href="#">A</a> 2022/01/28 15:32:00	Split hostgroup procedure
<a href="#">History</a>	3	dbA	5	Basic settings all	2022/01/28 15:41	2022/01/28 15:41	<a href="#">A</a> 2022/01/28 15:31:40	Split hostgroup procedure
<a href="#">History</a>	4	dbB	5	Basic settings all	2022/01/28 15:41	2022/01/28 15:41	<a href="#">A</a> 2022/01/28 15:31:40	Split hostgroup procedure
<a href="#">History</a>	5	webC	6	Basic setting Additional server only	2022/01/28 15:53		<a href="#">A</a> 2022/01/28 15:57:53	Split hostgroup procedure

### 3. Practice Scenario 2

# Scenario 2 - Overview

The diagram below displays Scenario 1's procedure.



# 3.1 Operation registration

## Register new operation

Create an additional operation.

Menu : **Basic Console > Operation list**

- ① Click Register > Start Registration.
- ② Input the following information for each item and click "Register".

Register

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

※\*is a required item.

Operation name	Scheduled date for execution
Basic setting Additional server only	(Free value)

※ "Scheduled date for execution" is just used for managing the operation.  
Any operations with a scheduled execution date will not be executed automatically.

## 3.2 Add host to host group

### Register host to host group

Register additional hosts in the host group.

Menu: **Host group management > Host link list**

- ① Click "New register "Register > Start Registration.
- ② Select the following information for each item and click "Register".

Register

Item No.	HostGroup name*	Operation	Host name*
Auto-input	<input type="text"/>	<input type="text"/>	<input type="text"/>

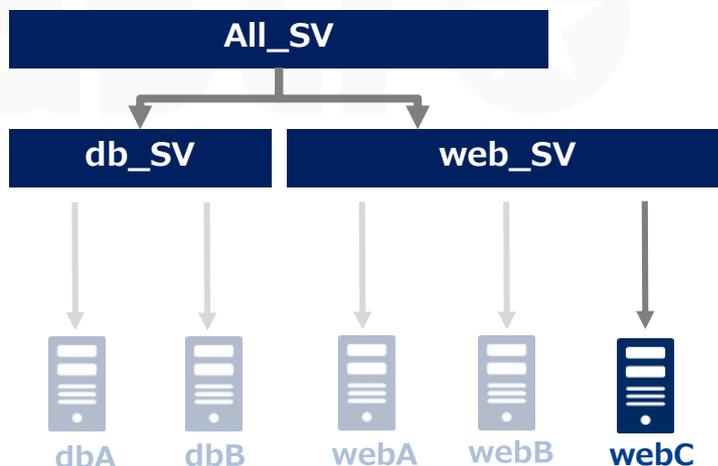
※\*is a required item.

Host group name	Operation	Host name
web_SV	Basic settings additional server only	webC

#### Point

The host group, "web\_SV" is used for "Basic settings all servers", but this time, we are only adding the operation "Basic settings additional server only". That is why when we are executing the operation, only webC will be applicable.

#### Image



## 3.3 Data registration(1/2)

### Register data in the parameter sheet

Move to the menu created in scenario 1 and input the following data.

Menu: **Input>Parameter for server**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

Register

No	Host name/Host group name	Operation	Parameter		
		Operation ▾	Timezone	port_to_open	Nameserver_ip
Auto-Input	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Users can select from the contents entered in the data sheet in the previous section.

Host name/Host group name	Operation	Timezone	Nameserver_ip
[HG]web_SV	Basic settings additional server only	Asia/Tokyo	10.15.1.62

## 3.3 Data registration(2/2)

### Register data in the parameter sheet

Next, register the data from the menu created in the menu group for the host.

Menu: **Input > Host name**

- ① Click Register > Start Registration.
- ② Select or input the following information for each item and click "Register".

The screenshot shows a 'Register' dialog box with a table. The table has the following columns: No, Host name\*, Operation, path, owner, group, and mode. The 'Host name\*' and 'Operation' columns are highlighted with a red box. The 'No' column contains 'Auto-input'. The 'Host name\*' column has a dropdown menu. The 'Operation' column has a dropdown menu. The 'path', 'owner', 'group', and 'mode' columns have text input fields.

Host name	Operation	Hostname
webC	Basic settings additional server only	webC

# 3.4 Check Substitution value · Target host

## Check Substitution value and Target host

Check the value specified by the substituted value automatic registration and the target host.

Menu: **Ansible-Legacy > Target host /Substitution value list**

- ① Click "Filter".
- ② Check that only the data of "webC" is added by the "legacy substitution value automatic registration setting procedure".

### Target host

History	Duplicate	Update	Discard	Item No. ⌵	Operation ⌵	Movement ⌵	Host ⌵	Substitution value management	Access permission Role to allow access
History	Duplicate	Update	Discard	19	6:Basic setting Additional server only	<a href="#">4:Set Timezone</a>	6:webC	Substitution value management	
History	Duplicate	Update	Discard	20	6:Basic setting Additional server only	<a href="#">6:Add Nameserver</a>	6:webC	Substitution value management	
History	Duplicate	Update	Discard	21	6:Basic setting Additional server only	<a href="#">5:Set Hostname</a>	6:webC	Substitution value management	

### Substitution value list

History	Duplicate	Update	Discard	Item No. ⌵	Operation ⌵	Movement ⌵	Host ⌵	Variable name ⌵	Specific value	
									String	
									Sensitive setting ⌵	Value ⌵
History	Duplicate	Update	Discard	21	6:Basic setting Additional server only	4:Set Timezone	6:webC	4:VAR_locale_timezone	OFF	Asia/Tokyo
History	Duplicate	Update	Discard	22	6:Basic setting Additional server only	6:Add Nameserver	6:webC	5:VAR_nameserver_ip	OFF	10.15.1.62
History	Duplicate	Update	Discard	23	6:Basic setting Additional server only	5:Set Hostname	6:webC	6:VAR_hostname	OFF	webC

# 3.5 Conductor execution

## Execute Conductor

Execute Conductor again.

Ensure that the work is reflected only on the host "webC".

### Menu: Conductor > Conductor execution

**1** Select "Server basic setting" from the Conductor list.

Select	Conductor class ID	Conductor name	Explanation	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	Server basic setting			2020/09/02 10:28:03	Data portability procedure
<input type="radio"/>	2	Test			2020/10/08 09:26:00	Data portability procedure
<input type="radio"/>	4	kato TEST1104			2020/11/04 15:16:16	Data portability procedure
<input type="radio"/>	5	conductor1			2020/11/10 16:26:42	Data portability procedure

Filter result count: 4

**2** Select the "Basic setting all" operation

Select	No.	Operation ID	Operation name	Scheduled date for execution	Last execution date	Remarks	Last update date/time	Last updated by
<input type="radio"/>	1	1	Operation1	2020/08/27 16:15	2020/12/04 09:21		09:21:54	Legacy execution procedure
<input type="radio"/>	2	2	Test Operation	2020/10/08 10:00	2020/10/23 16:21		09:21:05	Legacy execution procedure
<input type="radio"/>	6	6	Basic settings all	2020/10/24 09:54		Test for Host group menu	09:54:53	Data portability procedure
<input type="radio"/>	7	7	ope1	2020/11/10 14:00			14:00:49	Data portability procedure
<input type="radio"/>	8	8	OP1	2020/11/21 09:20				

**3** Click "Execution" at the bottom of the screen.

**Tips** Executing will move the user to the "Conductor Confirmation" screen. For more information about the Result Confirmation screen, please see [this slide](#).

Exastro



**Exastro**