



OASE Operation Autonomy Support Engine

Quick Start

※“Operation Autonomy Support Engine” is referred to as “OASE” in this manual.

Exastro Operation Autonomy Support Engine Version 1.3.1
Exastro developer



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1. Introduction



1.1 About this guide (1/2)

Prerequisites

In order to follow this guide, the user must have installed OASE and the following functions.

① OASE Installer (See the following guides)

- [<OASE_docs Environment Construction manual-Basics->](#)
- [<OASE Learn –OASE Offline install->](#)

② Mail Driver (See the following guides)

- [<Environment Construction manual- Driver install->](#)

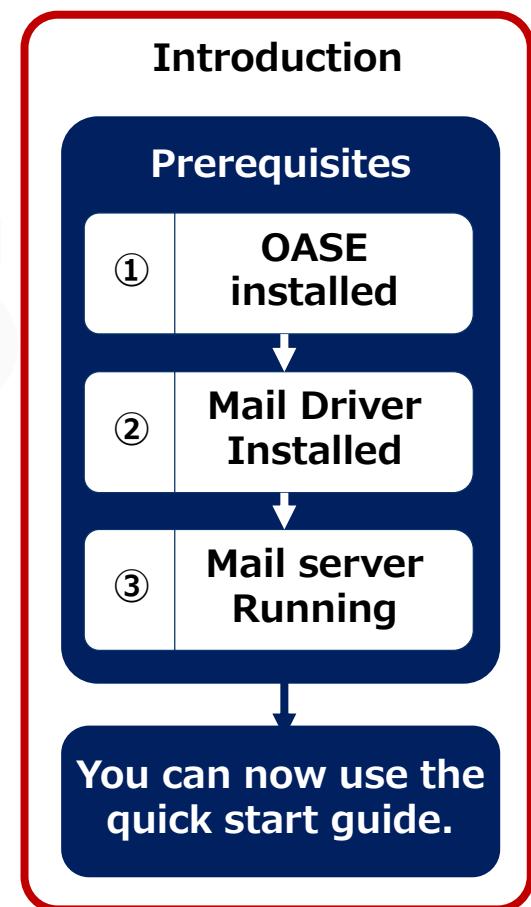
③ Make sure that the mail server is running.

- e.g.) Checking that postfix.service is running.

```
# ps -ax | grep postfix
```

※ If it isn't running, run the following command.

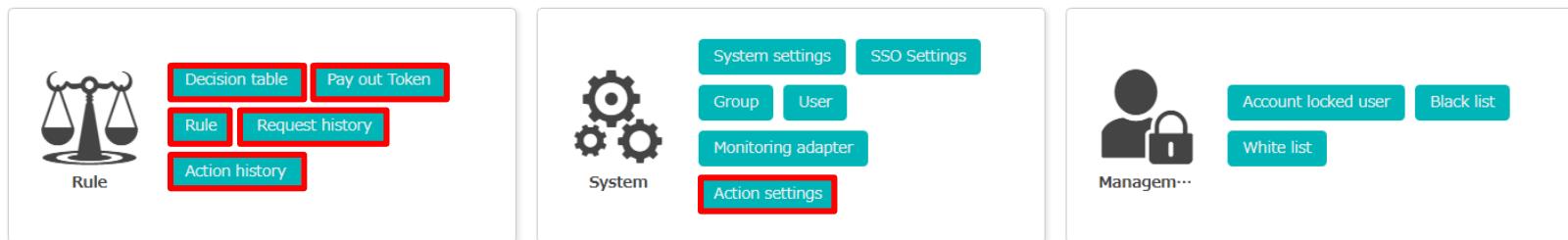
```
# systemctl start postfix
```



1.1 About this guide (2/2)

Functions.

- The following OASE functions will be used. (The item no. correlates the upcoming slides.)
- Dashboard screen

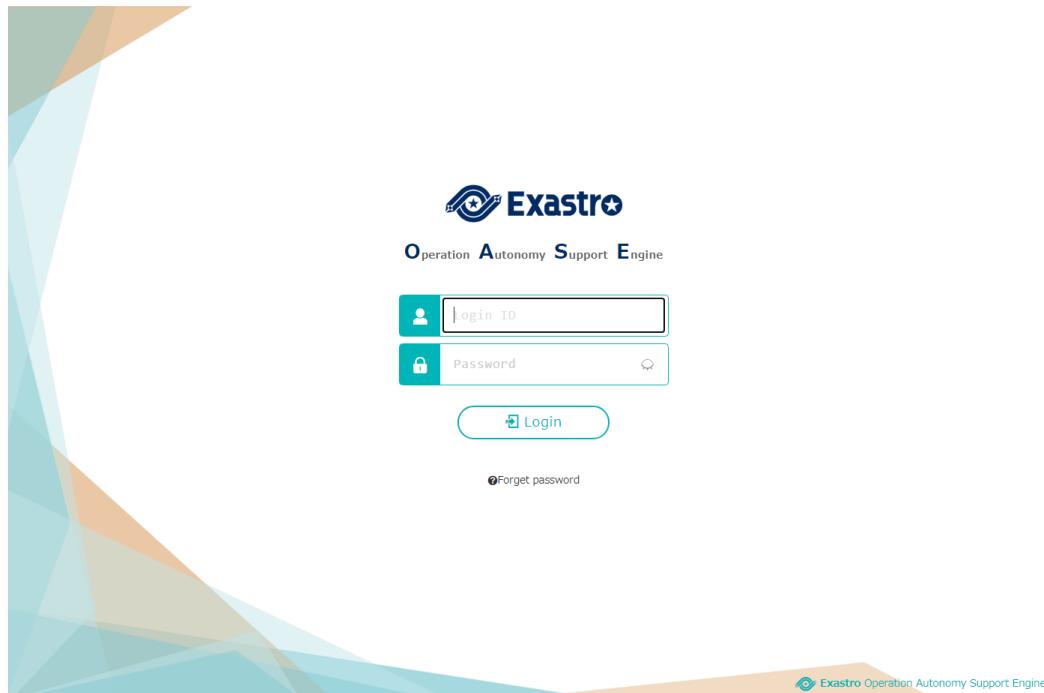


| Item No. | Screen name | Path Location |
|----------|-----------------|---|
| 1.2 | Login | |
| 1.3 | Dashboard | DashBoard |
| 1.4 | Action settings | DashBoard > System > Action settings > mail Driver ver1 |
| 1.5 | Token Pay-out | DashBoard > Rules > Token Pay-out |
| 1.6 | Decision Table | DashBoard > Rules > Decision Table |
| 1.7 | Rules | DashBoard > Rules > Rules > Staging Application rule |
| | | DashBoard > Rules > Rules > Production Application rule |
| 1.8 | Request History | DashBoard > Rules > Request History |
| 1.9 | Action History | DashBoard > Rules > Action History |

1.2 Screen description (Login screen)

OASE Login

- The login screen will be displayed by accessing the following URL.
https://exastro-oase/oase_web/top/login



POINT

The password will be requested to be changed immediately after login for the first time.

1.3 Screen Description (Dashboard Screen)

The overview of the main menu is as follows.

- “Rule” Menu : Action result management and Rule creation.
- “System”Menu : OASE Settings/Permission management.
- “Administrator” Menu : Security Management.

Dashboard

Welcome to OASE !

Menu

Exastro Operation Autonomy Support Engine(OASE)

You are logged in as administrator .

Personal settings. Logout

Decision table
Pay out Token
Request history
Action history

System settings
SSO Settings
Group
User
Monitoring adapter
Action settings

Account locked user
Black list
White list

POINT

Please refer to the manuals for details of the functions in each menu.

1.4 Screen description (Action setting screen)

Function Description

- ① The name of the driver installed in OASE
- ② The information of the registered action target
- ③ The button to add action target information to installed driver
- ④ The button to create mail template

The screenshot shows the 'Action settings' screen in the OASE interface. At the top, there are navigation tabs: Dashboard, Rule, System (highlighted in teal), and Management. On the right side, there is a user profile icon and a link to 'System管理者'. Below the tabs, the title 'Action settings' is displayed. A red box labeled ① highlights the 'mail Driver ver1' entry in the list. Another red box labeled ② highlights the entire list of entries. A red box labeled ③ highlights the '+ Add action target' button. A red box labeled ④ highlights the 'Email templates' button. The list table has columns for operation, Name, Protocol, smtp server, Port, User name, Last updated by, and Last Modified date/time. The first entry in the list is 'oasetest' with 'smtp' as the protocol and '25' as the port.

| operation | Name | Protocol | smtp server | Port | User name | Last updated by | Last Modified date/time |
|-----------|----------|----------|-------------|------|-----------|-----------------|---------------------------|
| | oasetest | smtp | ... | 25 | | | June 24, 2020, 11:37 a.m. |

POINT

Please refer to the
manuals for details of the
functions in each menu.

1.5 Screen description (Token Pay-out)

Function Description

- ① List of Tokens registered in OASE.
- ② Button that creates new Tokens.

The screenshot shows the 'Pay out Token' screen in the OASE interface. At the top, there is a navigation bar with tabs: Dashboard (selected), Rule, System, and Management. On the right side of the header, there is a user profile for 'administrator'. Below the header, the main area has a title 'Pay out Token'. A red box highlights the table below, which contains a single row of data. The table columns are: Control, Token name, Start date, End date, Last updated by, and Last Modified date/time. The data in the row is: Control (with search and delete icons), Token name (Test), Start date (2021, 07, 14, 15:11), End date (July 16, 2021, midnight), Last updated by (administrator), and Last Modified date/time (2021, 07, 14, 15:11). To the right of the table is a button labeled 'Pay out new token' with a red circle containing the number '②' above it. At the bottom of the screen, there are pagination controls: 'Number of items' (1), 'Number to display' (50), and a page navigation section with buttons for - (decrease), 1, / (divide), 1, + (increase), and up/down arrows. The footer of the screen displays the 'Exastro Operation Autonomy Support Engine(OASE)' logo.

| Control | Token name | Start date | End date | Last updated by | Last Modified date/time |
|---------|------------|---------------------|-------------------------|-----------------|-------------------------|
| | Test | 2021, 07, 14, 15:11 | July 16, 2021, midnight | administrator | 2021, 07, 14, 15:11 |

POINT

For more information regarding the different functions,
please see the respective manuals.

1.6 Screen description (Decision table screen)

Function Description

- ① Decision tables registered to OASE
- ② Button that allows users to download the decision table file
- ③ Button that allows users to add/create new decision tables

The screenshot shows a web-based application interface for managing decision tables. At the top, there is a navigation bar with tabs: Dashboard, Rule, System, Management, and a user profile icon. Below the navigation bar is a search bar labeled 'Decision table' with a magnifying glass icon. The main area displays a table with the following columns: operation, Decision table name, Last updated by, and Last Modified date/time. The table contains five rows of data, each with a set of icons in the 'operation' column: a magnifying glass, a document, a gear, a person, and a trash can. Red boxes and numbers are overlaid on the interface to indicate specific features:

- ① A red box surrounds the 'operation' column headers and the first four rows of the table.
- ② A red box surrounds the first two icons in the 'operation' column of the first row.
- ③ A red box surrounds the 'Register' button in the top right corner of the table area.

At the bottom of the table area, there are pagination controls: 'Number of items' (5), 'Number to display' (50), and page navigation buttons (1 / 1).

| operation | Decision table name | Last updated by | Last Modified date/time |
|---|---------------------|-----------------|-------------------------|
| [Magnifying glass, Document, Gear, Person, Trash Can] | | | 2020, 06, 25, 09:24 |
| [Magnifying glass, Document, Gear, Person, Trash Can] | | | 2020, 06, 25, 18:11 |
| [Magnifying glass, Document, Gear, Person, Trash Can] | | | 2020, 06, 24, 17:11 |
| [Magnifying glass, Document, Gear, Person, Trash Can] | | | 2020, 07, 02, 13:19 |
| [Magnifying glass, Document, Gear, Person, Trash Can] | | | 2020, 07, 05, 02:17 |

POINT

Please refer to the
manuals for details of the
functions in each menu.

1.6 Screen description (Rule screen)

Function Description

- ① Decision table file operation buttons.
- ② List of uploaded Decision table files and their status.
- ③ Production environment application button.

The screenshot shows a software interface for managing rules. At the top, there's a navigation bar with tabs for Dashboard, Rule, System, and Management. Below the navigation bar, a title says "Rules applying to Staging environment." On the left, there's a sidebar with icons for rule types like "ruleMail". The main area contains a table with columns for operation, decision table name, rule files, operational status, working status, and last updated by. The first row has a yellow background. A red box highlights the top right of the table, containing buttons for "Test request", "Select files", and "Display including history". A red arrow points from the bottom of the table towards the bottom-left corner of the screen, where a red box highlights the "Number of items" dropdown and the "Number to display" input field. The table has four rows of data, each with a yellow background.

POINT

Please refer to the
manuals for details of the
functions in each menu.

Button ③ becomes available only when a decision table file uploaded to a staging environment is tested.

1.7 Screen description (Rule screen)

Function Description

- ① The list of the rules that are practically operated when messages are sent to OASE

The screenshot shows the OASE Rule screen with two main sections:

- Rules applying to Staging environment.**

| operation | Decision table name | Rule files | Operational status | Working status | Last updated by |
|-----------|---------------------|------------|---|--|-----------------|
| send_mail | | | Verification completed(Already applied to Production environment) | Staging environment application completed. | システム管理者 |
| | | | Verification completed(Already applied to Production environment) | Staging environment application completed. | システム管理者 |
| RuleMail | RailMail.xlsx | | Verification completed(Already applied to Production environment) | Staging environment application completed. | システム管理者 |
| | | | Verification completed(Already applied to Production environment) | Staging environment application completed. | システム管理者 |
- Rules applying to Production environment.**

| operation | Decision table name | Rule files | Application status | Working status | Last updated by |
|-----------|---------------------|------------|---------------------------------------|--|-----------------|
| send_mail | | | Applied to Production environment. | Production environment application completed | システム管理者 |
| | | | Applied to Production environment. | Production environment application completed | システム管理者 |
| | | | Not applied to Production environment | Abnormal termination of Production environment application | システム管理者 |
| | | | Applied to Production environment. | Production environment application completed | システム管理者 |
| | | | Applied to Production environment. | Production environment application completed | システム管理者 |

A red box highlights the first three rows of the Production environment table, and a red circle with the number 1 is positioned above the table. A red callout bubble labeled "POINT" points to the text "Please refer to the manuals for details of the functions in each menu." at the bottom right.

POINT

Please refer to the
manuals for details of the
functions in each menu.

1.8 Screen description (Request history screen)

Function description

① The list of the matched rules and their status

The screenshot shows the 'Request history' screen with a red box highlighting the main table area. The table has columns: Rule matching status, Request type, Decision table name, Request received date/time, and Event info. Each row contains a status icon (yellow question mark or green checkmark), the request type ('Production environment'), the decision table name ('send_mail'), the date and time of receipt, and a JSON object for event info.

| Rule matching status | Request type | Decision table name | Request received date/time | Event info |
|----------------------|------------------------|---------------------|----------------------------|------------------------|
| ? | Production environment | send_mail | July 3, 2020, 10:13 a.m. | {"EVENT_INFO":["101"]} |
| ✓ | Production environment | send_mail | July 3, 2020, 10:09 a.m. | {"EVENT_INFO":["100"]} |
| ? | Production environment | send_mail | July 3, 2020, 9:50 a.m. | {"EVENT_INFO":["101"]} |
| ? | Production environment | send_mail | July 3, 2020, 9:02 a.m. | {"EVENT_INFO":["101"]} |
| ✓ | Production environment | send_mail | July 3, 2020, 8:25 a.m. | {"EVENT_INFO":["100"]} |
| ✓ | Production environment | send_mail | July 2, 2020, 7:12 p.m. | {"EVENT_INFO":["100"]} |
| ? | Production environment | send_mail | July 2, 2020, 7:10 p.m. | {"EVENT_INFO":["101"]} |
| ? | Production environment | send_mail | July 2, 2020, 1:18 p.m. | {"EVENT_INFO":["101"]} |
| ? | Production environment | send_mail | July 2, 2020, 1:16 p.m. | {"EVENT_INFO":["101"]} |
| ? | Production environment | send_mail | July 2, 2020, 1:15 p.m. | {"EVENT_INFO":["101"]} |

Number of items: 192 Number to display: 50

POINT

Exastro Operation Autonomy Support Engine(OASE)

Please refer to the
manuals for details of the
functions in each menu.

1.8 Screen description (Action history screen)

Function description

① The list of the matched rules and their status

The screenshot shows the Action history screen with a table of matched rules. The table has columns: Status, operation, Decision table name, Rule name, Action type, Last execution date and time, and Last executed by. A red box highlights the first five rows, which all have a green checkmark in the Status column. A red circle with the number ① is positioned to the left of the first row.

| Status | operation | Decision table name | Rule name | Action type | Last execution date and time | Last executed by |
|--------|-----------|---------------------|------------|-------------|------------------------------|------------------|
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 03, 10:10 | アクションドライバープロシージャ |
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 03, 08:26 | アクションドライバープロシージャ |
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 02, 19:12 | アクションドライバープロシージャ |
| ✓ | | test_mail_table | name | ITA(ver1) | 2020, 07, 02, 11:53 | アクションドライバープロシージャ |
| ✓ | | デイイジョンテーブル名 | name | ITA(ver1) | 2020, 07, 01, 19:13 | アクションドライバープロシージャ |
| ✓ | | Zabbix監視レール | ApacheDown | ITA(ver1) | 2020, 07, 01, 13:37 | アクションドライバープロシージャ |
| ✓ | | DefinedRuleTable | name1 | ITA(ver1) | 2020, 06, 30, 18:37 | アクションドライバープロシージャ |
| ! | | ExDecisonTable | name1 | ITA(ver1) | 2020, 06, 30, 18:17 | アクションドライバープロシージャ |
| ✓ | | 3542動作確認 | ルール1 | ITA(ver1) | 2020, 06, 25, 19:34 | アクションドライバープロシージャ |
| ✓ | | メール確認用 | Rule1 | mail(ver1) | 2020, 06, 23 | アクションドライバープロシージャ |

POINT

Please refer to the
manuals for details of the
functions in each menu.

2. Scenario description



2.1 Scenario

Scenarios after OASE installation until action history being obtained.

[Preparation]

Configuring settings
and
Registering rules

- 1 Set mail driver and create mail template
- 2 Pay out Token
- 3 Create decision table
- 4 Create decision table file ※In Excel
- 5 Upload decision table file
- 6 Test request
- 7 Apply to production environment

[Operation]

Inserting messages
Matching rules and
Executing Actions.

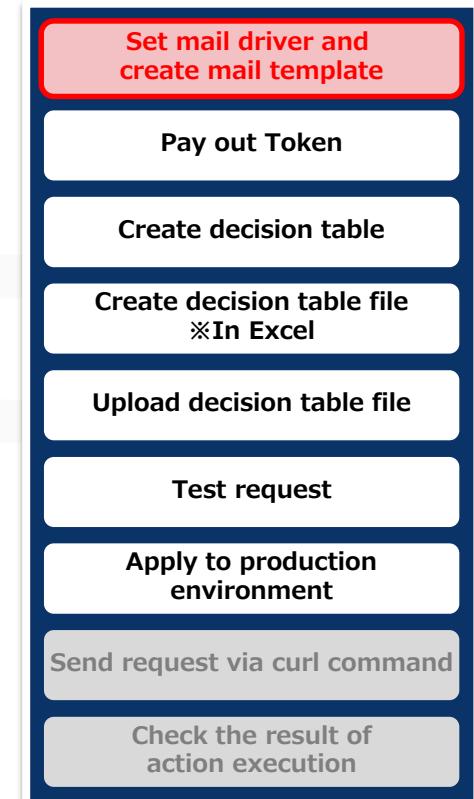
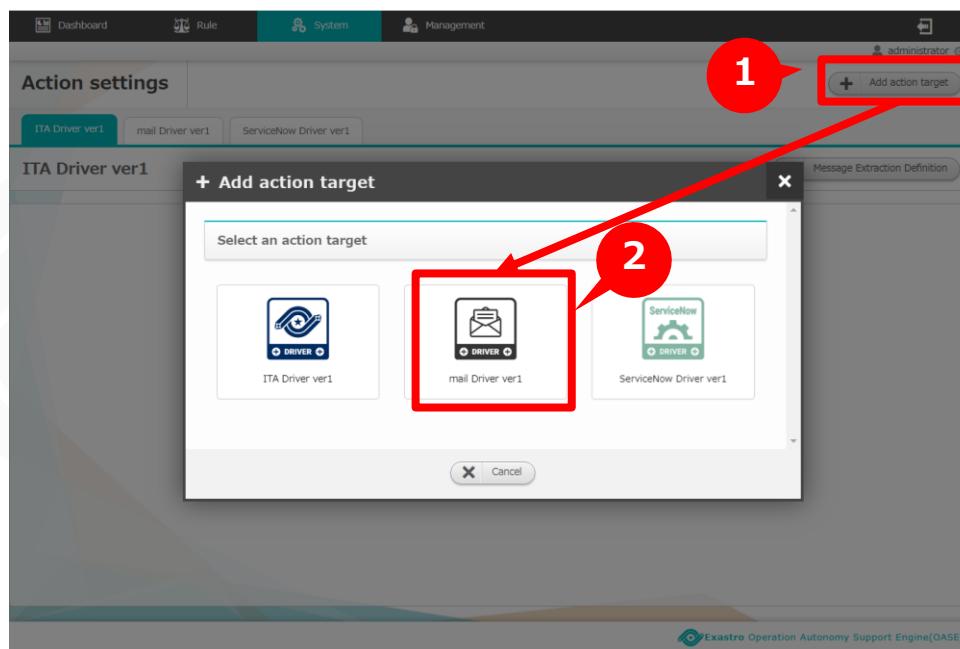
- 8 Send request via curl command
- 9 Check the results of action execution

3. Preparation before execution

3.1 Set mail driver and create mail template (1/3)

Add action target

- ① Press the “Add action target” button in the “Action settings” screen.
- ② Select “mail Driver ver1”.



The “mail Driver ver1” will not be displayed if you don’t have the driver installed.

POINT

Please refer to [Environment construction manual -Driver installation->](#) if the mail driver hasn't been registered.

3.1 Set mail driver and create mail template (2/3)

Set action target

- Enter required information then click the “Save” button.

The screenshot shows a configuration dialog for a mail driver named 'mail Driver ver1'. It contains the following fields:

| | |
|---------------|-------------------|
| Name * | oasetest |
| Protocol | smtp |
| smtp server * | 0.0.0.0 |
| Port * | 25 |
| User name | sample@sample.com |
| Password | |

At the bottom are buttons for 'Cancel', 'Back', and 'Save' (highlighted with a red box).

| Item | Setting value |
|-------------|---|
| Name | Enter your desired action target name. |
| Protocol | Select either “smtp” or “smtp_auth” |
| Smtp Server | Enter private IP or global IP ※The SMTP server has to be prepared in advance |
| Port | Enter the port number used for communication |
| User name | Enter the user name as the mail sender. |
| Password | Enter the password required for authentication |

POINT

“Item:name” is used to specify “Execute action to which action target” when creating the latter mentioned decision table file.

POINT

“Item:user name” is displayed as the sender of the mail.

Set mail driver and create mail template

Pay out Token

Create decision table

Create decision table file
※In Excel

Upload decision table file

Test request

Apply to production environment

Send request via curl command

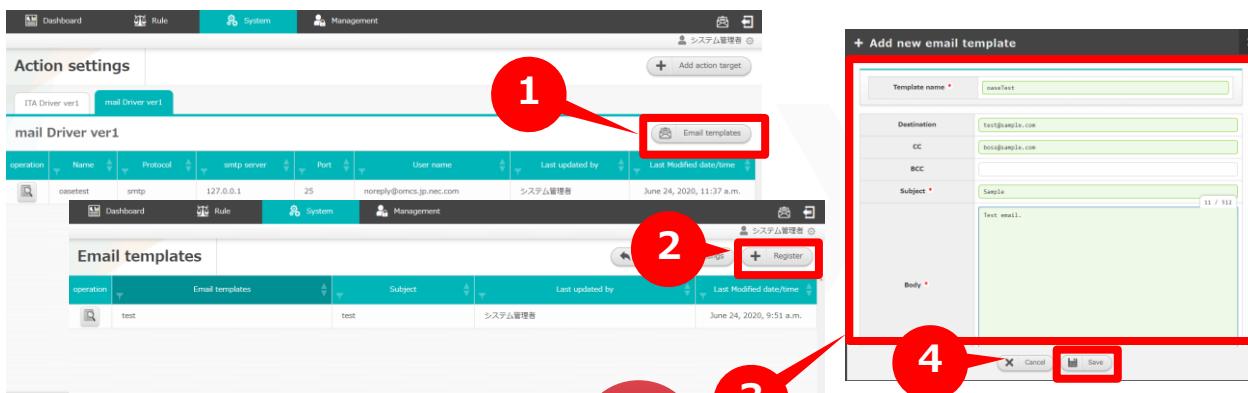
Check the result of action execution

Items with * are required items

3.1 Set mail driver and create mail template (3/3)

Create mail template

- ① Press the “Email Templates” button
- ② Press the “Register” button
- ③ Fill in the required items with the information below
- ④ Press the “Save” button.

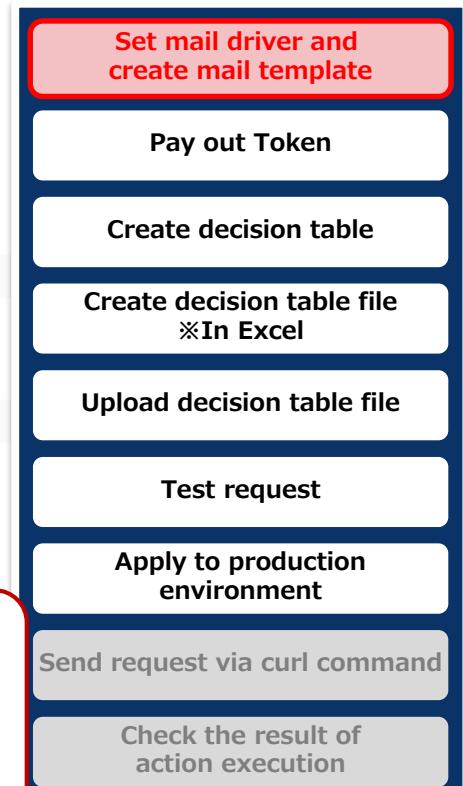


| Item | Setting value |
|---------------|---------------------------------|
| Template name | Enter any desired template name |
| Destination | Enter destination mail address |
| CC | Optional |
| BCC | Optional |
| Subject | Enter any desired subject |
| Body | Enter any desired body context |

POINT

The "Template name" is required later when we are creating a decision table file. We will use it to specify what kind of mail template we will use.

By tagging the "Body" with [ACTION_INFO] or [EVENT_INFO], we can receive mail with request information or event information included.

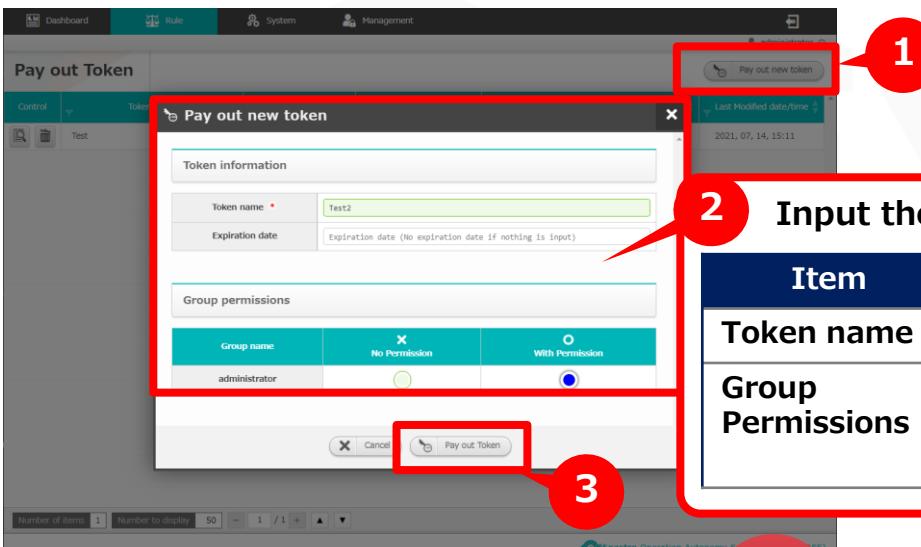


POINT Items with * are required items

3.2 Token Pay-out

Pay out new token.

- ① Press the “Pay out new token” button
- ② Input the information found below
- ③ Press the “Pay out Token” button
- ④ Copy and save the Token displayed in the “Token” screen.
- ⑤ Press the “Close” button.



2 Input the following information

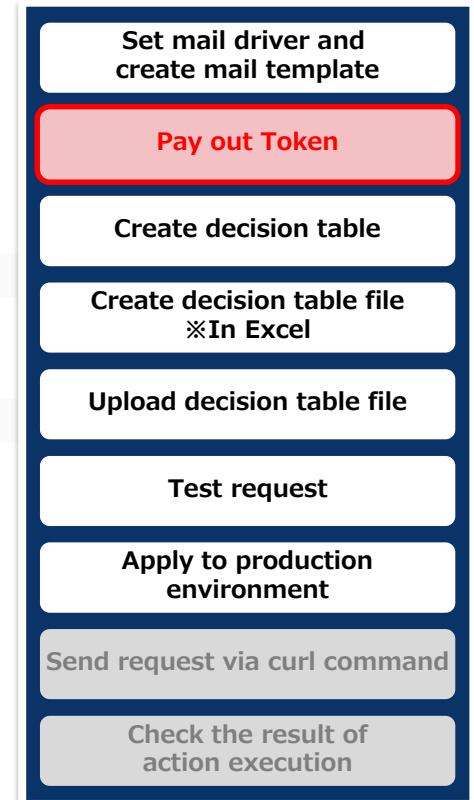
| Item | Setting value |
|--------------------------|--|
| Token name | Free name |
| Group Permissions | System Administrator :With Permission |

4

POINT

Token needs to be configured for the curl command requests introduced later in this document.

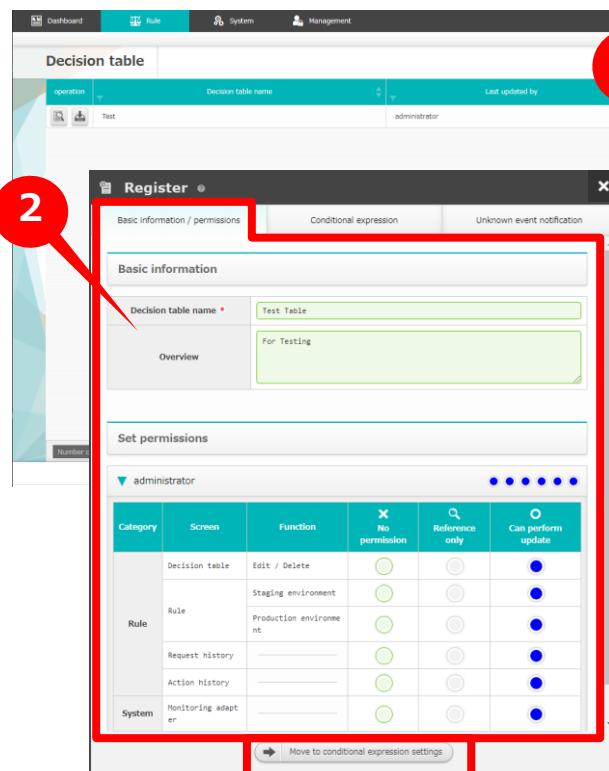
5



3.3 Create Decision table (1/2)

Create Decision table

- ① Press the “Register” button on the decision table screen.
- ② Fill out the required fields in the “Basic Information/ permissions” tab
- ③ Press the “Move to Conditional expression settings” button



| Item | Setting value |
|---------------------|---|
| Decision table name | Free value |
| Set permissions | System Administrator : "can perform update" on all |

POINT

The "Permission settings" needs to have at least one group who can "Perform update". If not, you will not be able to update it.

Set mail driver and create mail template

Pay out Token

Create decision table

Create decision table file
※In Excel

Upload decision table file

Test request

Apply to production environment

Send request via curl command

Check the result of action execution

POINT Items with * are required items

3.3 Create Decision table (2/2)

Create Decision table

- ④ In the “Conditional Branch” tab in the “New addition” screen, input the necessary information
- ⑤ Press the “Unknown Event Notification settings” button.
- ⑥ In the “Unknown Event Notification” tab in the “New addition screen” input the necessary information
- ⑦ Press the “Save” button.

| “Conditional expression” tab | |
|------------------------------|-----------------------|
| Item | Setting value |
| Condition name | Free Character string |
| Conditional expression | Equal(Number) |

Input the values above

Conditional expression

| | |
|----------------|------------------------|
| Condition name | Conditional expression |
|----------------|------------------------|

POINT

We will set the Decision table file's Conditional part's specific value to the configured Conditional Branch.

5

| “Unknown event Notification” tab | |
|----------------------------------|-----------------|
| Item | Setting value |
| Unknown event notifications | Don't notify me |

Input the value above

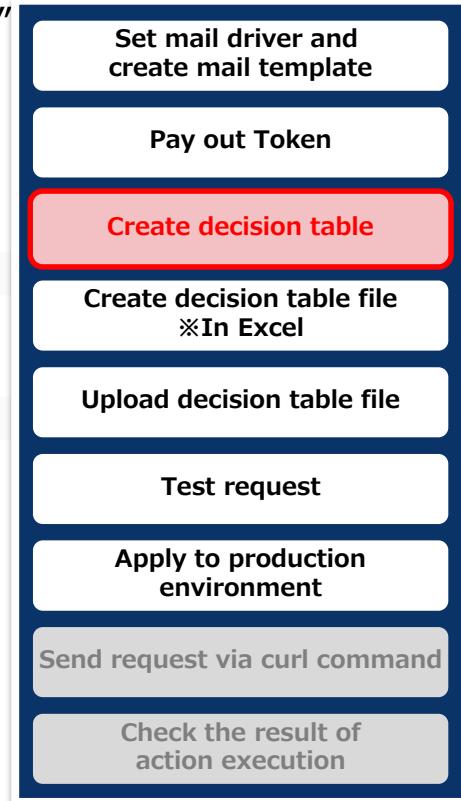
6

Unknown event notification settings

| |
|-----------------------------|
| Unknown event notifications |
|-----------------------------|

POINT

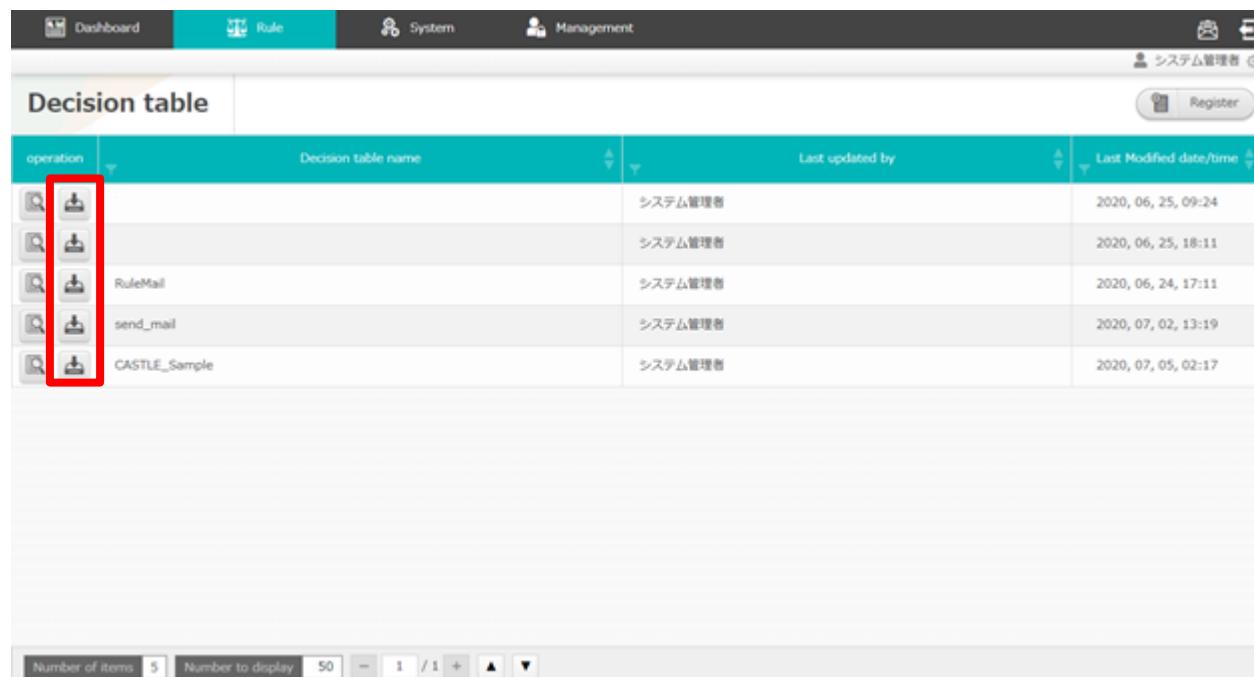
Items with * are required items



3.3 Create decision table file ※In Excel (1/2)

Download and create decision table file

- Download the decision table created in “3.2 create decision table” by clicking the download button.



| operation | Decision table name | Last updated by | Last Modified date/time |
|-----------|---------------------|-----------------|-------------------------|
| | RuleMail | システム管理者 | 2020, 06, 25, 09:24 |
| | send_mail | システム管理者 | 2020, 06, 25, 18:11 |
| | CASTLE_Sample | システム管理者 | 2020, 06, 24, 17:11 |
| | | システム管理者 | 2020, 07, 02, 13:19 |
| | | システム管理者 | 2020, 07, 05, 02:17 |

POINT

The name of the Decision table file is created automatically.
(E.g) idid0000000000.xlsx). This is different from the earlier mentioned
“Decision table name”. More information regarding each item is written on the
next page.

Set mail driver and
create mail template

Pay out Token

Create decision table

Create decision table file
※In Excel

Upload decision table file

Test request

Apply to production
environment

Send request via curl command

Check the result of
action execution

3.3 Create decision table file ※In Excel (2/2)

Enter the following content in the decision table file.

※For practical usage example, please refer to "A Appendix Sample1".

| A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-------|-----|-----|------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| ルール説明 | 条件 | 操作 | 操作条件 | アクション | アクション説明 | アクション名 |
| 条件A | 条件B | 条件C | 条件D | 条件E | 条件F | 条件G | X | Y | Z | Y | Z | Y | Z |
| 条件A | 条件B | 条件C | 条件D | 条件E | 条件F | 条件G | X | Y | Z | Y | Z | Y | Z |
| 条件A | 条件B | 条件C | 条件D | 条件E | 条件F | 条件G | X | Y | Z | Y | Z | Y | Z |
| ① | | ② | | ③ | | ④ | | | | | | | |

| | |
|------------------------|--|
| ①Comment part | Can be empty. Enter description or other desired content. |
| ②Condition part | Enter the condition which matches the rule. |
| ③Action part | <ul style="list-style-type: none">Set the action to be executed for each rule name.Users can set to execute action or send approval mail.Only the drivers set in "Action settings" screen can be entered in "action type". (In this document, "mail Driver ver1" is set.)Please note that the format of "Action parameter information" is different for each action type. |
| ④Action condition part | Can be empty. Users can set the time to enable and disable the rule. |

Set mail driver and
create mail template

Pay out Token

Create decision table

Create decision table file
※In Excel

Upload decision table file

Test request

Apply to production
environment

Send request via curl command

Check the result of
action execution

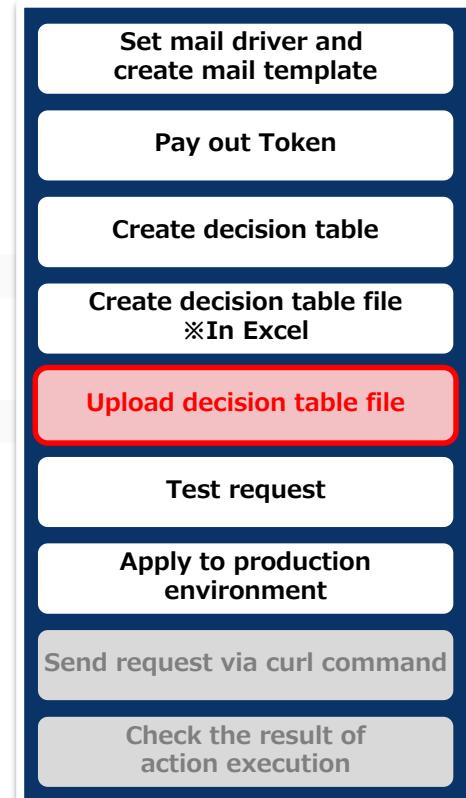
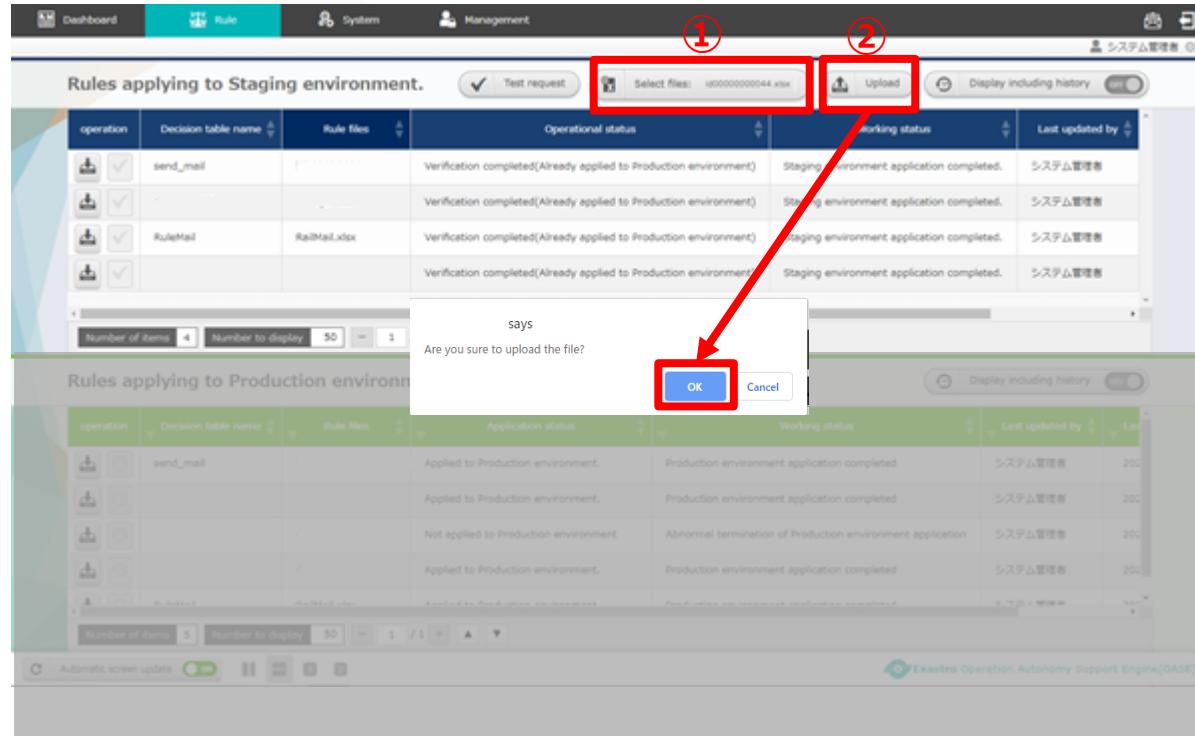
POINT

For information regarding describing values, please refer to the "Description example" sheet.
You can change the file name to whatever you want after updating the decision table file.

3.4 Upload decision table file

Select the decision table file to perform test request.

- ① Click the “select file” button in the “Rule” screen then select the created decision table file.
- ② Click the “Upload” button.
- ③ Press the “OK” button on the Pop-up message.



3.5 Test request (1/3)

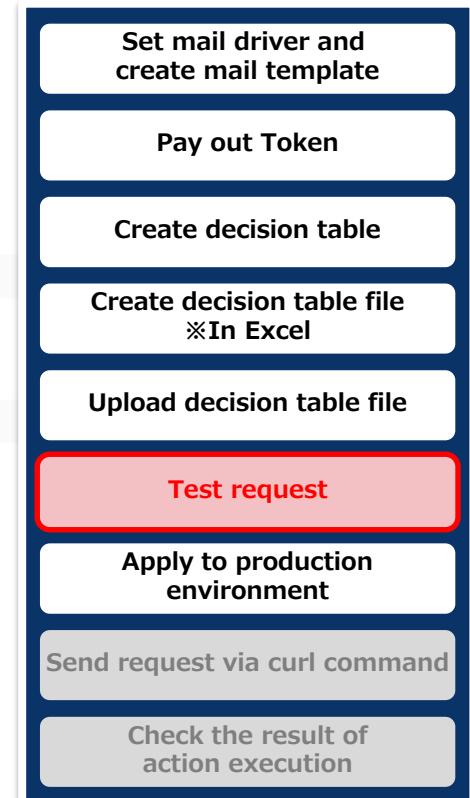
Select Test Request Target

- ① Click the “Test request” button when the “Working status” column changes to “Applied to Staging Environment”.
- ② In the “Select Decision table name” column, select the Decision table you want to test.
- ③ Press the “Test Request settings” button.

The screenshot shows the 'Rules applying to Staging environment.' screen. A red box highlights the 'Test request' button in the top toolbar. A red box also highlights the 'Select decision table name' dropdown in the 'Test request' dialog, which contains the value 'Test'. A red circle labeled '1' points to the 'Working status' column in the main table, where it shows 'Staging environment application completed.' A red circle labeled '2' points to the 'Working status' column in the 'Test request' dialog, which also shows 'Staging environment application completed.'. A red circle labeled '3' points to the 'Move to test request settings...' button at the bottom of the dialog.

POINT

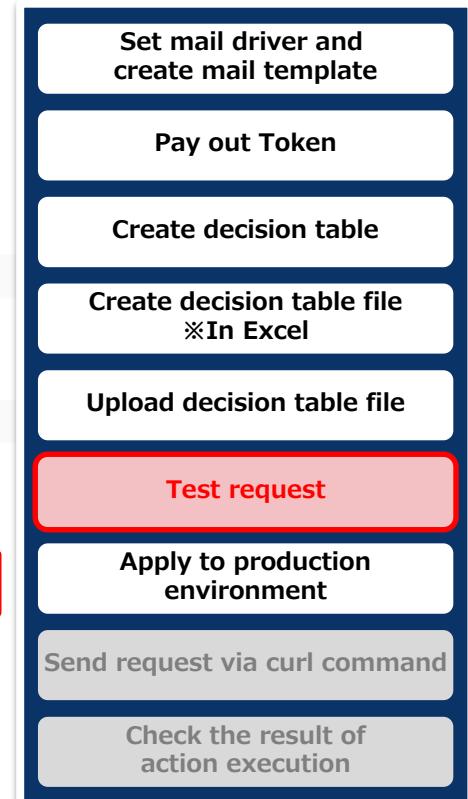
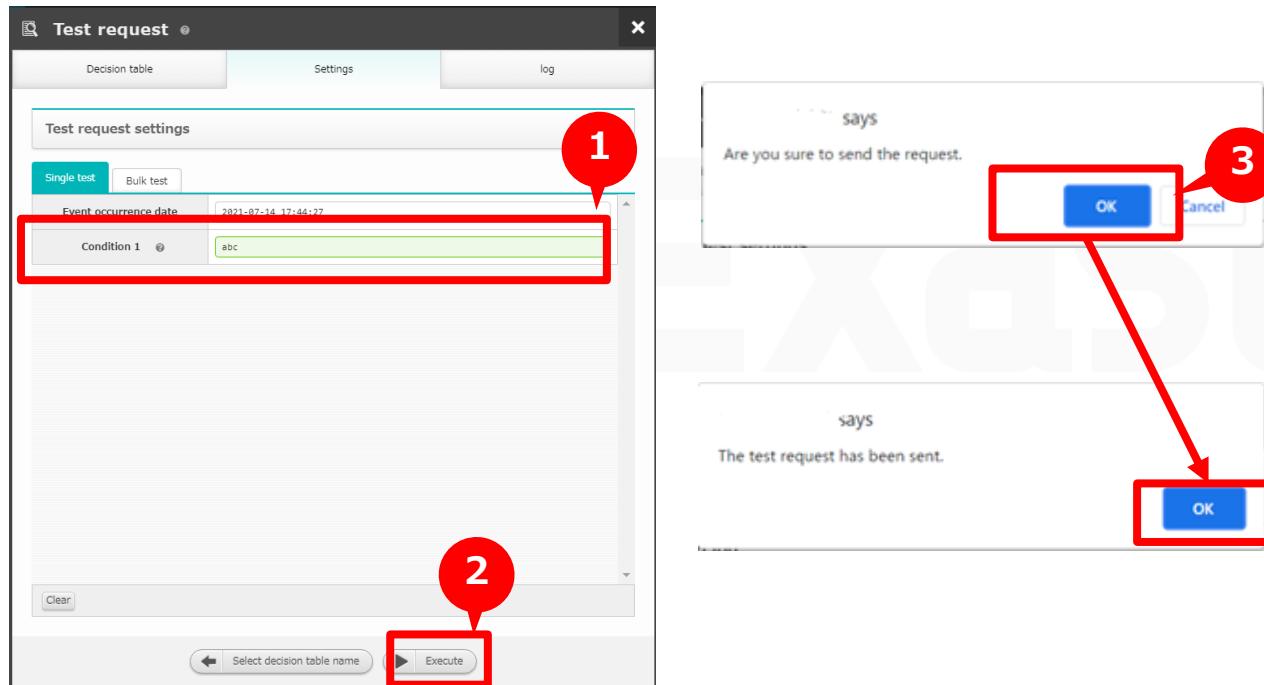
The working status updates automatically every 5 seconds.
Please refer to [<Instruction manual –Rule Screen–\(1\)Rule screen\(Staging\)>](#) for the details of working status.



3.5 Test request (2/3)

Enter Test value and execute.

- ① In the "Single test" tab in the "Settings" tab, input a value that matches the rule.
- ② Press the "Execute" button.
- ③ Press the "OK" button in the Pop-up message.



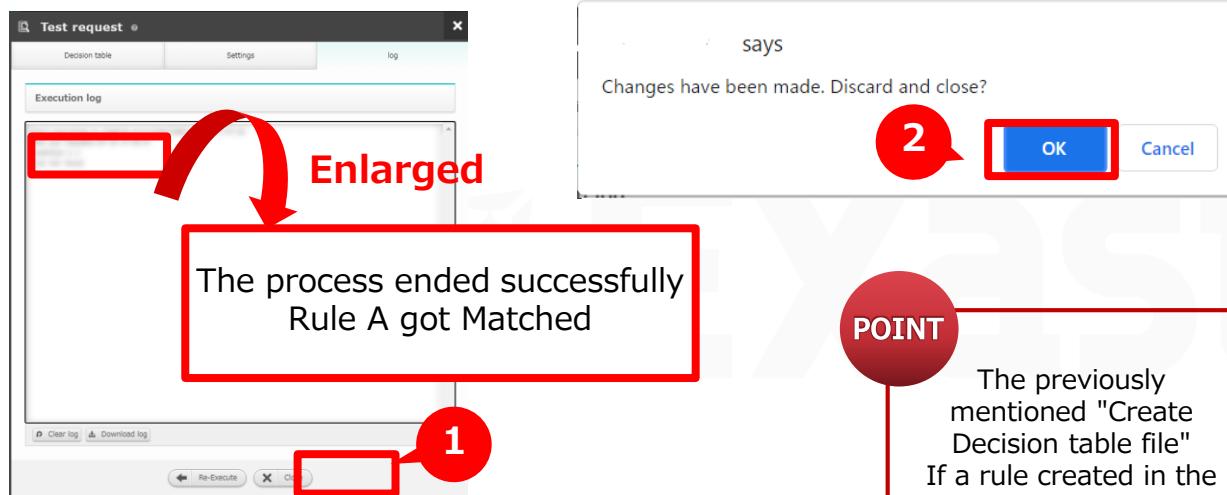
POINT

When matched the rules created in [**<3.3 Create decision table \(Excel\)>**](#),
“Successfully processed” and “Matched” will be displayed in execution log.
When rule matched, “Operation status” will change to next state.

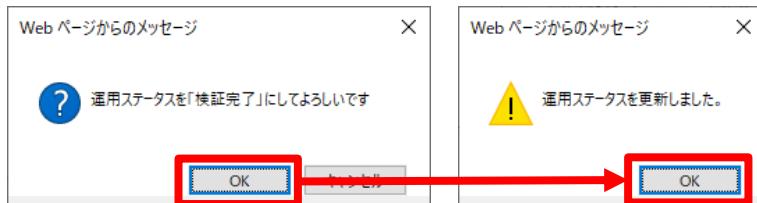
3.6 Test Request (3/3)

Confirm that the Rules are active.

- Check the Execution log from the “log” tab.
 - Press the “Close” button
 - Press the “OK” button on the pop-up message.



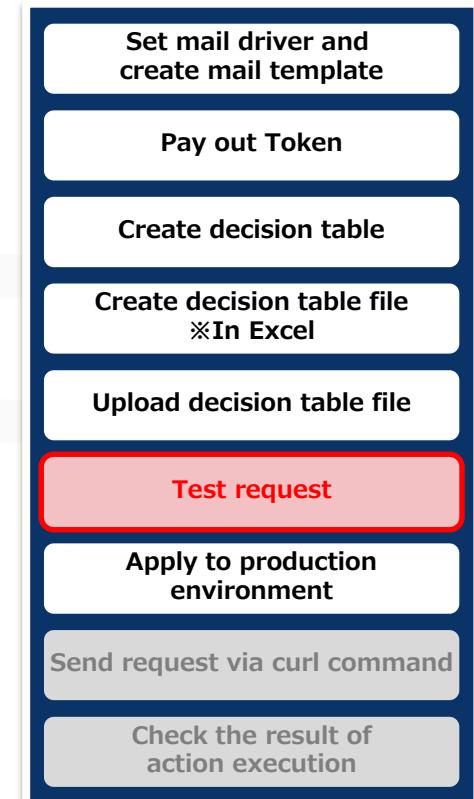
- If the rule got hit, press the “OK” button in the dialog box.



POINT

The previously mentioned "Create Decision table file" If a rule created in the previous section , "Create Decision table file" gets hit, the "Execution log" field will display "Successfully processed" or "Matched with XXX".

When a rule match, the "Application status" will move to the next status.



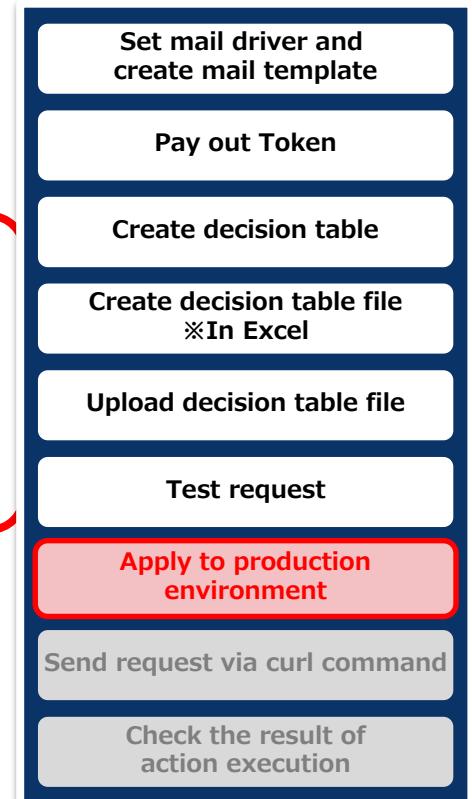
3.6 Apply to production environment

Make verified rules available in production environment.

- To enable rule in production environment, apply the rule from “Rules applying to Staging environment” to “Rules applying to Production environment”.

- When the test request matched the rule correctly, the operation status in staging environment will change to “Verification completed”.
- Press the “Apply” button
- Press the “OK” button in the dialogue window.

The screenshot shows two main windows. The top window is titled "Rules applying to Staging environment" and lists several rules. One rule, "Test 2" with file "mail_test.xlsx", has its "Operational status" dropdown set to "Verification completed". A red callout box labeled "1" points to this status. Another rule, "Test 2" with file "mail_test.xlsx", has its status set to "Not applied". A red callout box labeled "2" points to the checkbox next to this row. A third rule, "Test 2" with file "mail_test.xlsx", also has its status set to "Not applied". A red callout box labeled "3" points to the "OK" button in a confirmation dialog box at the bottom left. The bottom window is titled "Rules applying to Production environment" and shows a single rule with file "id0000000001.xlsx". Its "Application status" is "Not applied to Production environment" and its "Working status" is "Applying to Production environment". A red arrow points from the "OK" button in the top dialog to the "OK" button in the bottom dialog. Both dialogs have "OK" and "Cancel" buttons.



POINT

The operation status updates automatically every 5 seconds. Please refer to [**<Instruction Manual -Rule Screen- \(2\)Rule Screen\(Production\)>**](#) for the details of operation status.

4. Operation execution



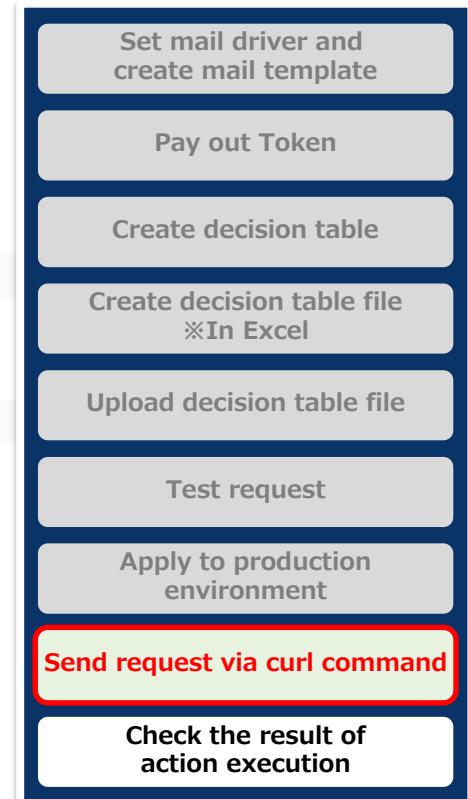
4.1 Send request via curl command (1/2)

Send the message and match the rule applied to production environment with the message

- Open the terminal and execute after rewriting the following commands according to the rules.
※ See "A Appendix Sample 1" below for specific usage examples of the curl command.

```
curl -X POST -k "https://<①Host name>/oase_web/event/event/eventsrequest" -H "accept: application/json" -d '{"ruletable":"<②Rule table name>","requesttype":"<③Request type>","eventdatetime":"<④event occurrence datetime>","eventinfo":["<⑤event info>"]}'
```

| Item | Setting value |
|----------------------------|---|
| ①Host name | Enter valid host name, IP address |
| ②Rule Table name | Enter the rule file name applied to production environment(without .xlsx) |
| ③Request type | Enter "1" since the target is "1:production environment" Example) "requesttype":"1" |
| ④Event occurrence datetime | Enter the time in"yyyy/mm/dd hh:mm:ss" format Example) "eventdatetime":"2020/01/01 01:01:01" |
| ⑤Event information | Specify in list format Example) ["2","foo"] |



POINT

Please refer to [RestAPI Function Instruction Manual](#) for the details of HTTP request.

4.1 Send request via curl command (2/2)

Check the “request history” screen

- A history of sending a request by specifying parameters with the curl command is added.

| Rule matching status | Request type | Decision table name | Request received date/time | Event information |
|----------------------|------------------------|---------------------|----------------------------|---------------------------|
| ✓ | Staging environment | send_mail | Aug. 14, 2020, 3:54 p.m. | {"EVENT_INFO": ["100"]} |
| ? | Staging environment | send_mail | Aug. 14, 2020, 3:27 p.m. | {"EVENT_INFO": ["10001"]} |
| ? | Production environment | send_mail | July 3, 2020, 10:13 a.m. | {"EVENT_INFO": ["101"]} |

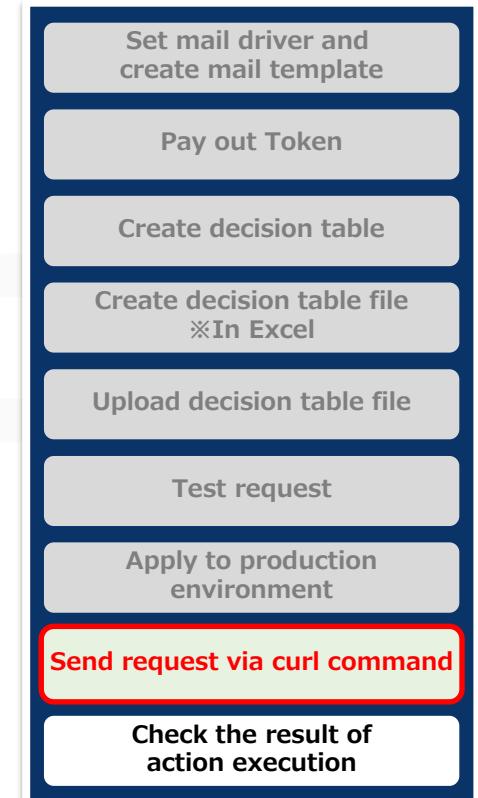
※Items displayed in the “Request history” screen can be changed.

Rule matching status
Request type
Decision table name
Request received date/time
Event information
Event occurrence date/time
Trace ID

Request history

| Request type | Decision table name | Request received date/time | Event information |
|------------------------|---------------------|----------------------------|---------------------------|
| Staging environment | send_mail | Aug. 14, 2020, 3:54 p.m. | {"EVENT_INFO": ["100"]} |
| Staging environment | send_mail | Aug. 14, 2020, 3:27 p.m. | {"EVENT_INFO": ["10001"]} |
| Production environment | send_mail | July 3, 2020, 10:13 a.m. | {"EVENT_INFO": ["101"]} |

Number of items 194 Number to display 50 1 / 4 ▲ ▼



4.2 Check the result of action execution (action history)

Execute action

- When rule is matched, action(mail notification) will be executed as users set in preparation before execution, and users can check the result in "Action history" screen.

- Action will be executed as the specification in the action part of

[<3.3 Create decision table file ※In Excel >](#)

(mail Driver will sent notification mail as user's specification)

Mail notification

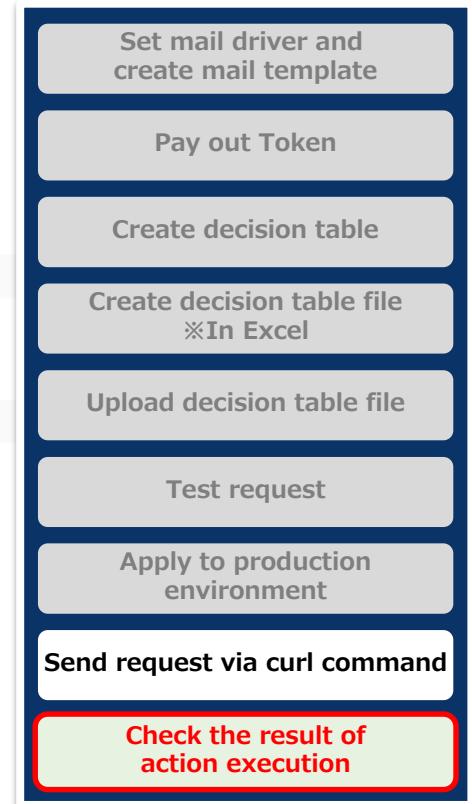
- Mail with the receiver, title, body set in

[<3.1 Set mail driver and create mail template>](#) is sent.

Action history

- Check if the rules are matched and executed are displayed in "Action history" screen.

| Action history | | | | | | |
|----------------|-----------|---------------------|-----------|-------------|------------------------------|-------------------|
| Status | operation | Decision table name | Rule name | Action type | Last execution date and time | Last executed by |
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 03, 10:10 | アクションドライバーブローシージャ |
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 03, 08:26 | アクションドライバーブローシージャ |
| ✓ | | send_mail | name | ITA(ver1) | 2020, 07, 02, 19:12 | アクションドライバーブローシージャ |
| ✓ | | test_mail_table | name | ITA(ver1) | 2020, 07, 02, 11:53 | アクションドライバーブローシージャ |
| ✓ | | ディシジョンテーブル名 | name | ITA(ver1) | 2020, 07, 01, 19:13 | アクションドライバーブローシージャ |



A Appendix



Sample1(1/4)

Enter Sample value and Execute OASE

- Case: When OASE receive "MessageID: 10001", execute a action to send a mail with information "Title: 【OASE】 Notification test", "Body:[Request Info][Event Info]"

【Preparation】

① 「Action Settings」 Screen

- Prepare 「mail Driver ver1」

| | |
|-------------|--------------------|
| Name | oasetest |
| Smtp Server | 0.0.0.0 |
| User name | sample@example.com |
| Password | (blank) |

(Register other required info)

- Create 「Mail Template」

| | |
|---------------|-------------------------------|
| Template name | test_template |
| Title | 【OASE】 Notification test |
| Body | [ACTION_INFO] [EVENT_INFO] |

② 「Token Pay-out」 screen

- Prepare Token needed when sending request via curl command.

Token name test_token

(Register other required info)

POINT

This information is used in these parts of this manual: [<3.1 Set mail driver and create mail template>](#) and [<3.2 Pay-out token.>](#)

Sample 1 (2/4)

② 「Decision table」 Screen

Create a rule that the "MessageID" will hit

| | |
|---|----------------|
| Decision table name | test |
| Permission Settings (System Administrator) | All 「Editable」 |
| Conditional name | Message ID |
| Conditional branch | Equal(Number) |

POINT

This information is used in these parts of this manual
[<3.3 Create Decision table>](#) and [<3.4 Create Decision table *with Excel>](#).

③ 「Decision table 」 File

- Rename and save the "Decision table" file.

File name

mail_test.xlsx

Create a rule that "messageID:10001" will hit

※Change the text marked with Red.

| | |
|----------------------------------|--|
| MessageID (Equal(Numeric Value)) | 10001 |
| Action Type | mail(ver1) |
| Action Parameter Information | MAIL_NAME=oasetest,MAIL_TO=<Mail Address>,MAIL_CC=,MAIL_BCC=,MAIL_TEMPLATE=test_template |

(For the other items, use the "example" sheet in the Decision table file as a reference point.)

Sample 1 (3/4)

④ 「Rule (Staging Application Rule)」 Screen

- Upload the created Decision table file.

Select File

mail_test.xlsx

⑤ 「Test Request」 Screen

Test whether when request “MessageID:10001” matches the uploaded decision table or not

Select Decision table name

test

Message ID

10001

POINT

This information is used in these parts of this manual

[<3.5 Uploading Decision table file>](#)

[And <3.6 Test Request>](#)

Sample 1 (4/4)

【Execute Operation】

⑥Terminal Operation (Linux server)

Send request to the prepared rule via curl command

※Please change the text marked with red.

```
curl -X POST -k "https://<HostName>/oase_web/event/event/eventsrequest" -H "accept: application/json" -d '{"decisiontable":"test","requesttype":"1","eventdatetime":"2020/01/01 01:01:01","eventinfo":["10001"]}' -H "Authorization: Bearer <Access_Token>"
```

⑦Main Notification

Check if the mail with information on the right is sent.

| Title | 【OASE Notification test】 |
|-------|--|
| Body | <p>[Request Information] Trace ID Decision table name Request user Request server</p> <p>[Event information] Event Time/Date Condition name Message ID</p> |



POINT

This information is used in these parts of this manual
[<4.1 Send Request via curl command>](#) and
[<4.2 Check the result of Action execution>](#)



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