FLOWx.AI

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There are some cases when you will need to generate an OTP (One Time Password) from a business flow, for example when validating an email account.

The notifications plugin handles both the actual OTP code generation and sending the code to the user using a defined notification template.
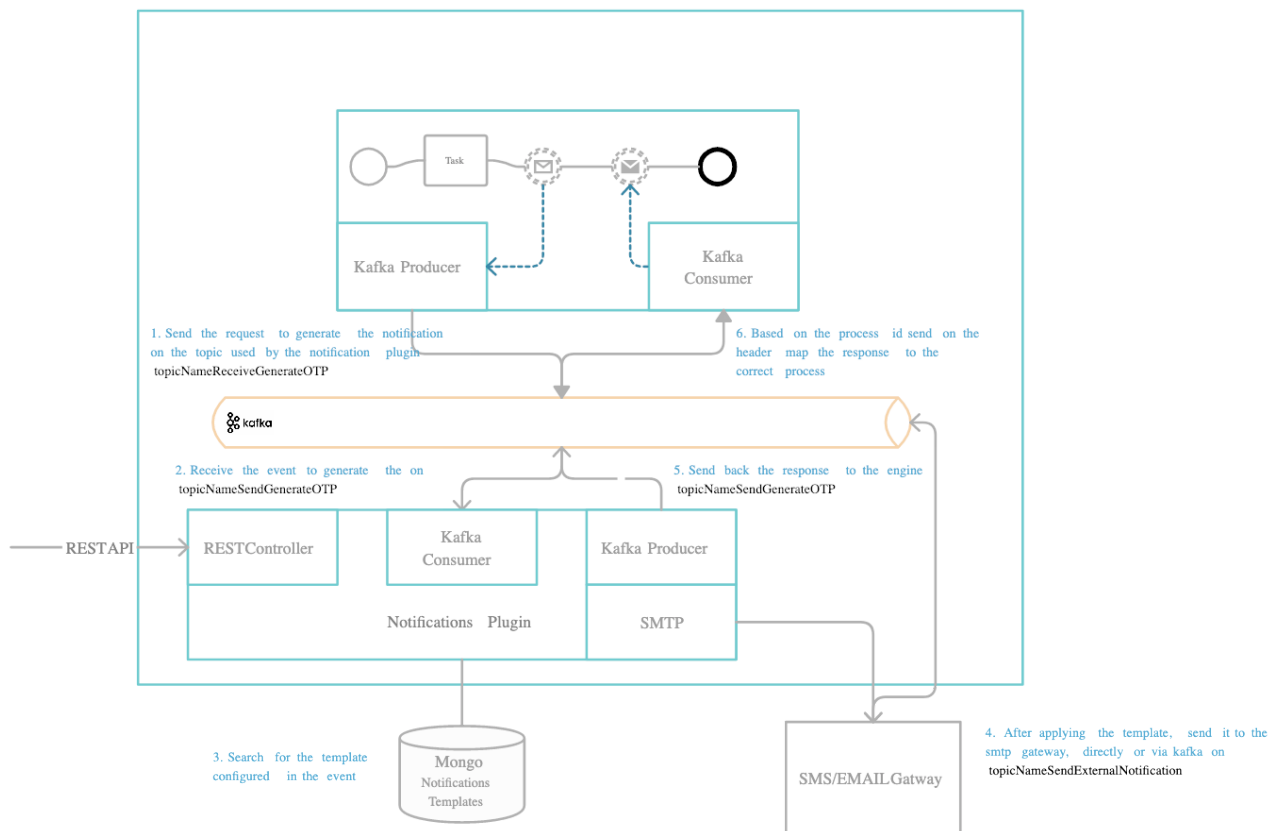
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Define needed Kafka topics

Kafka topic names can be set by using environment variables:

- `KAFKA_TOPIC_OTP_GENERATE_IN`
- `KAFKA_TOPIC_OTP_GENERATE_OUT` - after the OTP is generated and sent to the user, this is the topic used to send the response back to the Engine.

> ⚠️ **CAUTION**
>
> The Engine is listening for messages on topics with names of a certain pattern, make sure to use an outgoing topic name that matches the pattern configured in the Engine.

Request to generate an OTP

Values expected in the request body:

- templateName: the name of the notification template that is used (created using the WYSIWYG editor)

- channel: notification channel: SMS / MAIL

- recipient: notification receiver: email / phone number

- notification template content parameters (for example, clientId): parameters that should be replaced in the notification template

Parameters

`Custom` `From integration`

Topics

```
ro.flowx.qa.notification.otp.in.generate.v1
```

Message

```
1    {
2        "templateName": "otpMail",
3        "channel" : "MAIL",
4        "language": "en-US",
5        "clientId" : "${application.client.identificationData.personalIdentificationNumber}",
6        "recipient" : "${application.client.contactData.email.emailAddress}",
7        "contentParams":
8            {
9                "clientId":"${application.client.identificationData.personalIdentificationNumber}"
10           }
11
12   }
13
```

Advanced configuration

Show Headers 🔵

```
1    {"processInstanceId": ${processInstanceId}}
```

Response from generate OTP

Values expected in the reply body:

- processInstanceId = process instance ID

- clientId = the client id (in this case the SSN number of the client)

- channel = notification channel used

- otpSent = confirmation if the notification was sent: true or false

- error = error description, if any

Example:

Example: generate an OTP from a business flow

It is important to identify what is the business identifier that you are going to use to validate that OTP, it can be, for example, a user identification number.

1. Configure the templates that you want to use (for example, an SMS template).

2. Check that the needed topics are configured correctly: the topic used to generate OTP (`KAFKA_TOPIC_OTP_GENERATE_IN`) and the topic used to receive the response (`KAFKA_TOPIC_OTP_GENERATE_OUT`).

3. Use the FLOWX.AI Designer to add a new Kafka send event to the correct node in the process definition.

4. Add the proper configuration to the action, the Kafka topic, and configure the body message.

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Kafka Send Action   ⌄

◯ Automatic   ✓ Manual

◯ Mandatory   ✓ Optional

✓ Repeatable

Autorun Children? ⬤⬤

Allow BACK on this action? ⬤⬤

Parameters

──

[Custom] [From integration]

Topics

```
ai.flowx.in.qa.notification.otp.generate.v1
```

Message

```
1  {
2      "templateName": "otpSMS",
3      "language": "en-US",
4      "channel" : "SMS",
5      "clientId" : "${application.client.identificationData.personalIdentificationNumber}",
6      "recipient" : "${application.client.contactData.mobilePhone.phoneNumber}"
7  }
```

Advanced configuration

Show Headers ⬤

```
1   {"processInstanceId" : ${processInstanceId}, "destinationId": "register_contact_data", "callbacksForAction": "action21" }
```

[Save]

5. Add a node to the process definition (for the Kafka receive event).

6. Configure on what key you want to receive the response on the process instance params.

Topic Name	Key Name	
ro.flowx.updates.qa.notification.otp.generate.v1	otpCheck	🗑

Was this page helpful?

PLATFORM DEEP DIVE / Plugins / 📦 Custom Plugins / 📦 Notifications plugin / Using the plugin / OTP flow / Validate OTP

Define needed Kafka topics

Kafka topic names can be set by using environment variables:

- `KAFKA_TOPIC_OTP_VALIDATE_IN` - the event sent on this topic (with an
  OTP and an identifier) will check if the OTP is valid

- `KAFKA_TOPIC_OTP_VALIDATE_OUT` - the response for this request will
  validate an OTP, the reply is sent back to the Engine on this topic

> ⚠️ **CAUTION**
>
> The Engine is listening for messages on topics with names of a certain
> pattern, make sure to use an outgoing topic name that matches the pattern
> configured in the Engine.

Request to validate an OTP

Values expected in the request body:

- processInstanceId = process instance ID

- client id = the user unique ID in the system

- channel = notification channel: SMS/MAIL

- otp = OTP code that you received, used to compare with the one that was sent from the system
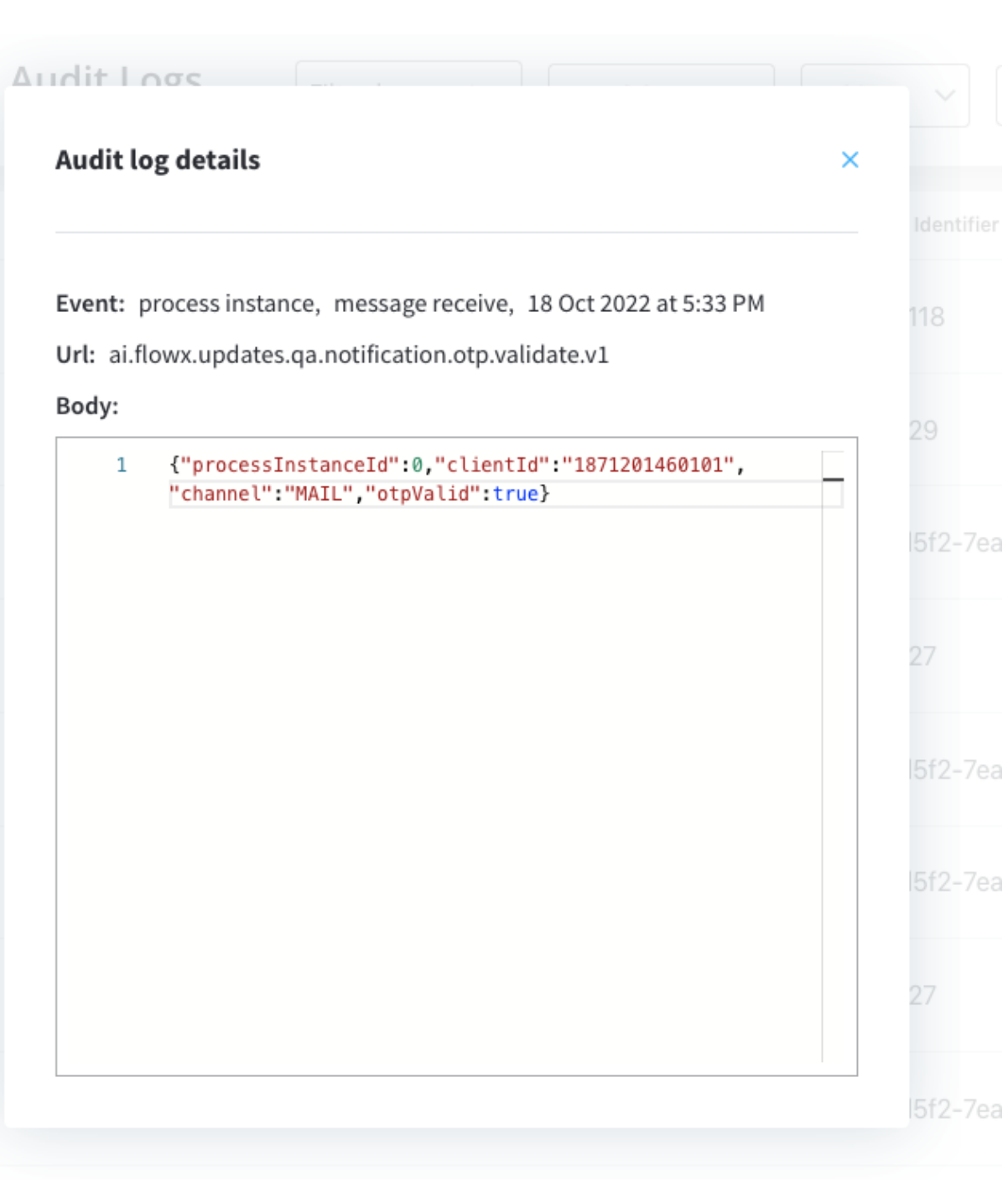
Example:

```json
{
    "processInstanceId": 12345,
    "clientId": "1871201460101",
    "channel": "MAIL",
    "otp": "1111"
}
```

Reply from validate OTP

Values expected in the reply body:

- client id = the user unique id in the system

- channel = notification channel used

- otpValid = confirmation if the provided OTP code was the same as the one sent from the system

Example:

Audit log details   ✕

Event: process instance, message receive, 18 Oct 2022 at 5:33 PM

Url: ai.flowx.updates.qa.notification.otp.validate.v1

Body:

```
1   {"processInstanceId":0,"clientId":"1871201460101",
    "channel":"MAIL","otpValid":true}
```

Example: validate an OTP from a business flow

Similar to the generation of the OTP you can validate the OTP that was generated for an identifier.

1. Check that the needed topics are configured correctly:
   (`KAFKA_TOPIC_OTP_VALIDATE_IN` and
   `KAFKA_TOPIC_OTP_VALIDATE_OUT`)

2. Add the actions for sending the request to validate the OTP on the node that contains the 'Generate OTP' actions

3. Add the proper configuration to the action, the Kafka topic and configure the body message.

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Parameters

| Custom | From integration |

Topics

ai.flowx.in.qa.notification.otp.validate.v1

Message

```
1  {
2      "clientId" : "${application.client.identificationData.personalIdentificationNumber}",
3      "channel" : "MAIL",
4      "otp" : "${email.otpValue}"
5  }
```

Advanced configuration

Show Headers ⬤

Data to send

| email.otpValue | 🗑 |

| application.client.identificationData.personalIdentificationNumber | 🗑 |

Add Key

Save

4. Add a node to the process definition (for the Kafka receive event)

5. Configure on what key you want to receive the response on the process instance parameters

Node: **register_contact_data** (ID: 735010)

Node Config   Actions

Custom	From integration

Topic Name

ai.flowx.updates.qa.notification.otp.valida

Key Name

otpValid

Task Management

Update task management?

ⓘ Force Task Management Plugin to update information about this process after this node.

Was this page helpful?