



PUBLIC

SAP Cloud Integration with SAP Alert Notification Service for SAP BTP

Send notifications for failed Message Processing Logs

Version 1.0, September 2022

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This document describes how to configure and use the *Send notifications for failed Message Processing Logs* integration flow. This integration flow pulls failed messages using the *Message Processing Logs API*, groups them by their integration flow ID, and sends notifications to SAP Alert Notification service for SAP BTP. Those notifications contain information about how many times a given integration flow has failed since the last execution of the *Send notifications for failed Message Processing Logs* integration flow. The maximum time frame is limited to the last three days.

Prerequisites

The following tasks must be completed before proceeding with the integration:

- Enable SAP Alert Notification service for [Cloud Foundry environment](#) or for [Neo environment](#)
- Acquire API Access Credentials for [Cloud Foundry environment](#) or for [Neo environment](#)
- Subscribe for notifications for [Cloud Foundry environment](#) or for [Neo environment](#)

Note: Subscribe for notifications with *eventType* that equals to *CPIntegrationFlowExecutionFailure*

Configuring the Integration Flow

Before you deploy the *Send notifications for failed Message Processing Logs* integration flow, configure the parameters listed below.

Timer

To specify how often the integration flow should be triggered, configure the *Start Timer*.

Receiver

- **CI Tenant Base URL:** Base URL to a CI tenant.

Example:

https://<<Account Short Name>>tmn.<<SSL Host>>.<<Region>>.hana.ondemand.com

- **Authentication:** Authentication type that will be used for communication with the CI's *Message Processing Logs API*.
- **Credential Name:** Credentials name for a user that has permissions in the CI tenant. The default value is *CI_USER*. For more information, see the [official documentation](#).
- **Private Key Alias:** Alias of a key pair that has permissions in the CI tenant. Currently Client Certificate Authentication is available only for Cloud Foundry. [Here](#) you can find more information about how to configure it. The default value is *CI_KEY_PAIR*.
- **Timeout (in min):** Timeout for the request made to CI's *Message Processing Logs API*. The default value is *1 minute*.
- **Source Event ID Strategy (Optional):** Defines the strategy used to generate the '*ans: sourceEventId*' tag. If this parameter is not provided or is invalid, then '*ans: sourceEventId*' is not generated. The supported strategies are:
 - **PER_TENANT** – Source Event ID is based on the target CI tenant. All notifications for the target CI tenant are correlated.

- **PER_EXECUTION** – Source Event ID is based on the current execution. All notifications in the current execution are correlated.
- **PER_INTEGRATION_FLOW** – Source Event ID is based on the Integration Flow ID that has failed. All notifications for the same Integration Flow are correlated.
- **PER_PACKAGE** – Source Event ID is based on the Package ID of the failed Integration Flow. All notifications for Integration Flows part of the same package are correlated.
- **PER_PACKAGE_AND_EXECUTION** - Source Event ID is based on the Package ID of the failed Integration Flow and the current execution. All notifications for Integration Flows part of the same package are correlated only for the current executions.

More

Configurations related to *SAP Alert Notification service*:

- **Service Request Timeout** (in min): Timeout for the request made to *SAP Alert Notification service*. The default value is *1 minute*.
- **Service Resource Events URL**: URL to the resource events endpoint of either [Cloud Foundry Producer API](#) or [Neo Producer API](#) depending on the environment where *SAP Alert Notification service* is enabled.

Example:

`https://clm-sl-ans-live-ans-service- api.cfapps.eu10.hana.ondemand.com/neo/producer/v1/resource-events`

- **Service Technical Client Name**: Credentials name for the technical client created in *SAP Alert Notification service*. Supported types are **Basic Authentication** or **OAuth2 Client Credentials flow**. The default value is `SERVICE_TECHNICAL_CLIENT`.
- **Enable Certificate Authentication**: Defines if certificate authentication should be used for the request to *SAP Alert Notification service* for SAP BTP. The default value is *false*.
- **Keystore Alias**: Alias to the imported keystore in CI, that contains the certificate chain and the private key generated from *SAP Alert Notification service* for SAP BTP. The default value is `CI_KEYSTORE`.

Note: You need to convert the certificate chain and the private key to the desired format from CI. To find more information about how to convert them to p12 format, see [pkcs12](#). Here is an example command, too:

```
pkcs12 -export -inkey key.pem -in certificate.pem -out bothAsPKCS12.p12
```

General configurations:

- **Enable Log**: Defines if additional logs should be attached in the integration flow execution. The default value is *false*.

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