



<https://cloudblue.com>

[Documentation](#) [Developer Resources](#) [Connect SDK and Tools](#)

# Python SDK



This article has been generated from the online version of the documentation and might be out of date. Please, make sure to always refer to the online version of the documentation for the up-to-date information.

Auto-generated at June 8, 2025



Attention:

We strongly recommend to use the connect-openapi-client with python instead of this SDK.

## Overview

Python SDK is a library that simplifies work with Connect APIs and could be found at

- **GitHub** – available at <https://github.com/ingrammicro/connect-python-sdk>
- **PyPI** – available at <https://pypi.org/project/connect-sdk/>

## Key Features

The library can be consumed in your project in order to automate the fulfillment of requests. Once imported into your project, it will allow you to:

- **Establish connectivity** with the API using your api credentials
- **List all requests**, and **filter** them:
  - by the particular Product
  - by the particular Status
- **Retrieve** detailed Request representation
- **Modify** Request's properties in order to:
  - **Inquiry** for additional information
  - **Store** updated parameter values in the Request
- **Change** Request **Status** (Pending, Inquiring, Failed, Approved)
- Generate **logs**
- Collect **debug logs** in case of the failure

Your code may use any scheduler to execute, from a simple cron to a cloud scheduler like the ones available in the major cloud providers, like:

- **Microsoft Azure**  
**Functions** – <https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function>
- **Google Cloud Functions** – <https://cloud.google.com/solutions/reliable-task-scheduling-compute-engine>
- **Amazon AWS Lambdas** – <https://docs.aws.amazon.com/lambda/latest/dg/with-scheduled-events.html>
- **IBM Cloud Functions** – <https://www.ibm.com/cloud/functions>

and others.

Additionally you may use the webhooks functionality from Connect to instantiate your solution,



## Requirements

- Python 2.7+ or Python 3.4+
- Requests (<https://pypi.org/project/requests/>)
- Marshmallow (<https://pypi.org/project/marshmallow/>)

## Installation

We recommend to install using pip:

```
# pip install connect-sdk
```

## Usage Example

```
from connect import FulfillmentAutomation
from connect.logger import logger
from connect.models import ActivationTemplateResponse, ActivationTileResponse
from connect.models.exception import FulfillmentFail, FulfillmentInquire, Skip

class ExampleRequestProcessor(FulfillmentAutomation):
    def process_request(self, request):

        # custom logic
        if request.type == 'purchase':
            for item in request.asset.items:
                if item.quantity > 100000:
                    raise FulfillmentFail(
                        message='Is Not possible to purchase product')

            for param in request.asset.params:
                if param.name == 'email' and not param.value:
                    param.value_error = 'Email address has not been provided, please provide one'
                    raise FulfillmentInquire(params=[param])

            # approve by ActivationTile
            return ActivationTileResponse(tile='\n # Welcome to Fallball!\n\nYes, '
                                           'you decided to have an account in our amazing service!')

            # or
            # return TemplateResource().render(pk='TEMPLATE_ID', request_id=request.id)

            # approve by Template
            return ActivationTemplateResponse(template_id="TL-497-535-242")

            # or
            # return TemplateResource().get(pk='TEMPLATE_ID')
```



```
elif request.type == 'change':
    # fail
    raise FulfillmentFail()
else:
    # skip request
    raise Skip()

if __name__ == '__main__':
    request = ExampleRequestProcessor()
    request.process()
```

## Additional documentation

Additional documentation on how to use the Python SDK for Connect can be found at **[Read The Docs](#)**.