

# Bank Transfer Simulation API

API που μπορείτε να καλείτε για να προσομοιώνετε την εκτέλεση διατραπεζικών συναλλαγών SEPA & Swift

## BaseUrl

`http://147.27.70.44:3020`

## Endpoints

### 1. SEPA Transfer

- **URL:** /transfer/sepa
- **Method:** POST
- **Description:** Προσομοιώνει την εκτέλεση μιας συναλλαγής SEPA.
- **Behavior:** 75% ποσοστό επιτυχίας, 25% ποσοστό αποτυχίας.

### 2. SWIFT Transfer

- **URL:** /transfer/swift
- **Method:** POST
- **Description:** Προσομοιώνει την εκτέλεση μιας συναλλαγής SEPA.
- **Behavior:** 75% ποσοστό επιτυχίας, 25% ποσοστό αποτυχίας.

# Request Schemas

## SEPA Request Example

```
{  
    "amount": 2500.0,  
    "creditor": {  
        "name": "Green Ethics Consortium",  
        "iban": "GR1601101250000012501234567"  
    },  
    "creditorBank": {  
        "bic": "ETHNGRAA",  
        "name": "National Bank of Greece"  
    },  
    "execution": {  
        "requestedDate": "2025-12-18",  
        "charges": "SHA"  
    }  
}
```

### Field Descriptions:

Field	Type	Required	Description
amount	Number	Yes	The amount to be transferred.
creditor.name	String	No	Name of the creditor.
creditor.iban	String	Yes	IBAN of the creditor.
creditorBank.bic	String	Yes	BIC of the creditor's bank.
creditorBank.name	String	No	Name of the creditor's bank.
execution.requestedDate	String	Yes	Requested execution date (YYYY-MM-DD).
execution.charges	String	Yes	SHA / OUR

## SIFT Request Example

```
{  
    "currency": "EUR",  
    "amount": 2500.0,  
    "beneficiary": {  
        "name": "Global Digital Learning Ltd",  
        "address": "Baker Street 1, UK",  
        "account": "GB29BARC2020155555555"  
    },  
    "beneficiaryBank": {  
        "name": "Barclays Bank PLC",  
        "swiftCode": "BARCGB22",  
        "country": "UK"  
    },  
    "fees": {  
        "chargingModel": "SHA"  
    }  
}
```

### Field Descriptions:

Field	Type	Required	Description
currency	String	Yes	Currency code (e.g., EUR).
amount	Number	Yes	The amount to be transferred.
beneficiary.name	String	No	Name of the beneficiary.
beneficiary.address	String	No	Address of the beneficiary.
beneficiary.account	String	Yes	Account number of the beneficiary.
beneficiaryBank.name	String	No	Name of the beneficiary's bank.
beneficiaryBank.swiftCode	String	Yes	SWIFT code of the beneficiary's bank.
beneficiaryBank.country	String	No	Country of the beneficiary's bank.
fees.chargingModel	String	Yes	Fee charging model (SHA OUR).

# Response Schemas

Και τα δύο endpoints χρησιμοποιούν τα ίδια schemas για επιτυχή και ανεπιτυχή εκτέλεση.

## Success (200 OK):

```
{  
    "status": "success",  
    "message": "SEPA|SWIFT transfer completed successfully.",  
    "transaction_id": "....."  
}
```

## Failure (400 Bad Request):

```
{  
    "status": "failed",  
    "message": "SEPA|SWIFT transfer failed due to ...",  
    "transaction_id": "....."  
}
```

# Example Usage

## SEPA Transfer

```
curl -X POST http://147.27.70.44:3020/transfer/sepa \  
-H "Content-Type: application/json" \  
-d '{  
    "amount": 2500.0,  
    "creditor": {  
        "name": "Green Ethics Consortium",  
        "iban": "GR1601101250000012501234567"  
    },  
    "creditorBank": {  
        "bic": "ETHNGRAA",  
        "name": "National Bank of Greece"  
    },  
    "execution": {  
        "requestedDate": "2025-12-18",  
        "charges": "SHA"  
    }  
}'
```

## SWIFT Transfer

```
curl -X POST http://147.27.70.44:3020/transfer/swift \
-H "Content-Type: application/json" \
-d '{
  "currency": "EUR",
  "amount": 2500.0,
  "beneficiary": {
    "name": "Global Digital Learning Ltd",
    "address": "45 King's Road, London, UK",
    "account": "GB29BARC2020155555555"
  },
  "beneficiaryBank": {
    "name": "Barclays Bank PLC",
    "swiftCode": "BARCGB22",
    "country": "UK"
  },
  "fees": {
    "chargingModel": "SHA"
  },
  "correspondentBank": {
    "required": false
  }
}'
```