Payments API

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Overview

Operations

Create payment

without requesting content

request

```
POST /api/v1/payments HTTP/1.1
Host: localhost:8080
Content-Length: 1673

{
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ],
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD"
    },
    "currency" : "GBP",
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "end_to_end_reference" : "Wil piano Jan",
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
    "payment_purpose" : "Paying for goods/services",
    "payment_scheme" : "FPS",
    "payment_type" : "Credit",
    "processing_date" : "2017-01-18",
    "reference" : "Payment for Em's piano lessons",
    "scheme_payment_sub_type" : "InternetBanking",
    "scheme_payment_type" : "ImmediatePayment",
    "sponsor_party" : {
```

```
        "account_number" : "56781234",
        "bank_id" : "123123",
        "bank_id_code" : "GBDSC"
      }
    }
}
```

response

```HTTP
HTTP/1.1 201 Created
Location: http://localhost:8080/api/v1/payments/d3524ce7-f417-4ce4-aa45-b2adb742302c
```

requesting a JSON response

request

```http
                                                                                      HTTP
POST /api/v1/payments HTTP/1.1
Accept: application/json
Host: localhost:8080
Content-Length: 1673

{
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ],
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD"
    },
    "currency" : "GBP",
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "end_to_end_reference" : "Wil piano Jan",
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
    "payment_purpose" : "Paying for goods/services",
    "payment_scheme" : "FPS",
    "payment_type" : "Credit",
    "processing_date" : "2017-01-18",
    "reference" : "Payment for Em's piano lessons",
    "scheme_payment_sub_type" : "InternetBanking",
    "scheme_payment_type" : "ImmediatePayment",
```

```
    "sponsor_party" : {
      "account_number" : "56781234",
      "bank_id" : "123123",
      "bank_id_code" : "GBDSC"
    }
  }
}
```

response

```
                                                                                    HTTP
HTTP/1.1 201 Created
Location: http://localhost:8080/api/v1/payments/615eba1b-c572-4765-9176-fdc7e39bb5fa
Content-Type: application/json;charset=UTF-8
Content-Length: 1989

{
  "id" : "615eba1b-c572-4765-9176-fdc7e39bb5fa",
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "currency" : "GBP",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "sponsor_party" : {
      "account_number" : "56781234",
      "bank_id" : "123123",
      "bank_id_code" : "GBDSC"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ]
    },
    "fx" : null,
    "end_to_end_reference" : "Wil piano Jan",
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
```

```
      "payment_purpose" : "Paying for goods/services",
      "payment_scheme" : "FPS",
      "payment_type" : "Credit",
      "processing_date" : "2017-01-18",
      "reference" : "Payment for Em's piano lessons",
      "scheme_payment_type" : "ImmediatePayment",
      "scheme_payment_sub_type" : "InternetBanking"
    },
    "_links" : {
      "self" : {
        "href" : "http://localhost:8080/api/v1/payments/615eba1b-c572-4765-9176-fdc7e39bb5fa"
      },
      "payment" : {
        "href" : "http://localhost:8080/api/v1/payments/615eba1b-c572-4765-9176-fdc7e39bb5fa"
      }
    }
  }
}
```

error responses

payment with the same id exists

```
                                                                                    HTTP
HTTP/1.1 409 Conflict
Content-Type: application/hal+json;charset=UTF-8
Content-Length: 1684

{
  "cause" : {
    "cause" : {
      "cause" : null,
      "message" : "Unique index or primary key violation: \"CONSTRAINT_INDEX_F ON PUBLIC.PAYMEN
    },
    "message" : "could not execute statement"
  },
  "message" : "could not execute statement; SQL [n/a]; constraint [\"CONSTRAINT_INDEX_F ON PUBL
}
```

request failed validation

```
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Content-Length: 522

{
  "errors" : [ {
    "entity" : "Payment",
    "property" : "version",
    "invalid_value" : null,
    "message" : "must not be null"
  }, {
    "entity" : "Payment",
    "property" : "attributes",
    "invalid_value" : null,
    "message" : "must not be null"
  }, {
    "entity" : "Payment",
    "property" : "type",
    "invalid_value" : null,
    "message" : "must not be null"
  }, {
    "entity" : "Payment",
    "property" : "organisationId",
    "invalid_value" : null,
    "message" : "must not be null"
  } ]
}
```

malformed request

```
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Content-Length: 480

{
  "cause" : {
    "cause" : null,
    "message" : "No content to map due to end-of-input\n at [Source: (org.springframework.mock.
  },
  "message" : "JSON parse error: No content to map due to end-of-input; nested exception is com
}
```

Get payment

request

```
GET /api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98 HTTP/1.1
Accept: application/json
Host: localhost:8080
```

response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Content-Length: 2135

{
  "id" : "09a8fe0d-e239-4aff-8098-7923eadd0b98",
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "currency" : "GBP",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "sponsor_party" : {
      "account_number" : "56781234",
      "bank_id" : "123123",
      "bank_id_code" : "GBDSC"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ]
    },
    "fx" : {
      "contract_reference" : "FX123",
      "exchange_rate" : "2.00000",
      "original_amount" : "200.42",
      "original_currency" : "USD"
```

```
      },
      "end_to_end_reference" : "Wil piano Jan",
      "numeric_reference" : "1002001",
      "payment_id" : "123456789012345678",
      "payment_purpose" : "Paying for goods/services",
      "payment_scheme" : "FPS",
      "payment_type" : "Credit",
      "processing_date" : "2017-01-18",
      "reference" : "Payment for Em's piano lessons",
      "scheme_payment_type" : "ImmediatePayment",
      "scheme_payment_sub_type" : "InternetBanking"
    },
    "_links" : {
      "self" : {
        "href" : "http://localhost:8080/api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98"
      },
      "payment" : {
        "href" : "http://localhost:8080/api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98"
      }
    }
  }
```

error responses

invalid payment id

```
                                                                                    HTTP
HTTP/1.1 404 Not Found
```

invalid payment id

```
                                                                                    HTTP
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Content-Length: 51

{
  "message" : "Invalid UUID string: not-a-uuid"
}
```

Get all payments

request

```
                                                                                    HTTP
GET /api/v1/payments HTTP/1.1
Accept: application/json
Host: localhost:8080
```

response when no payments exist

```http
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Content-Length: 230

{
  "_embedded" : {
    "payments" : [ ]
  },
  "_links" : {
    "self" : {
      "href" : "http://localhost:8080/api/v1/payments"
    },
    "profile" : {
      "href" : "http://localhost:8080/api/v1/profile/payments"
    }
  }
}
```

response when payments exist

```http
                                                                                       HTTP
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Content-Length: 2642

{
  "_embedded" : {
    "payments" : [ {
      "id" : "4e3e3ca1-6d2c-4b72-b215-c02a20855b68",
      "type" : "Payment",
      "version" : 0,
      "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
      "attributes" : {
        "amount" : "100.21",
        "currency" : "GBP",
        "beneficiary_party" : {
          "account_name" : "W Owens",
          "account_number" : "31926819",
          "account_number_code" : "BBAN",
          "account_type" : 0,
          "address" : "1 The Beneficiary Localtown SE2",
          "bank_id" : "403000",
          "bank_id_code" : "GBDSC",
          "name" : "Wilfred Jeremiah Owens"
        },
        "debtor_party" : {
          "account_name" : "EJ Brown Black",
          "account_number" : "GB29XABC10161234567801",
          "account_number_code" : "IBAN",
          "address" : "10 Debtor Crescent Sourcetown NE1",
          "bank_id" : "203301",
          "bank_id_code" : "GBDSC",
          "name" : "Emelia Jane Brown"
        },
        "sponsor_party" : {
          "account_number" : "56781234",
          "bank_id" : "123123",
          "bank_id_code" : "GBDSC"
        },
        "charges_information" : {
          "bearer_code" : "SHAR",
          "receiver_charges_amount" : "1.00",
          "receiver_charges_currency" : "USD",
          "sender_charges" : [ {
            "amount" : "5.00",
            "currency" : "GBP"
          }, {
            "amount" : "10.00",
            "currency" : "USD"
          } ]
        },
        "fx" : {
          "contract_reference" : "FX123",
          "exchange_rate" : "2.00000",
```

```
            "original_amount" : "200.42",
            "original_currency" : "USD"
          },
          "end_to_end_reference" : "Wil piano Jan",
          "numeric_reference" : "1002001",
          "payment_id" : "123456789012345678",
          "payment_purpose" : "Paying for goods/services",
          "payment_scheme" : "FPS",
          "payment_type" : "Credit",
          "processing_date" : "2017-01-18",
          "reference" : "Payment for Em's piano lessons",
          "scheme_payment_type" : "ImmediatePayment",
          "scheme_payment_sub_type" : "InternetBanking"
        },
        "_links" : {
          "self" : {
            "href" : "http://localhost:8080/api/v1/payments/4e3e3ca1-6d2c-4b72-b215-c02a20855b68"
          },
          "payment" : {
            "href" : "http://localhost:8080/api/v1/payments/4e3e3ca1-6d2c-4b72-b215-c02a20855b68"
          }
        }
      } ]
  },
  "_links" : {
    "self" : {
      "href" : "http://localhost:8080/api/v1/payments"
    },
    "profile" : {
      "href" : "http://localhost:8080/api/v1/profile/payments"
    }
  }
}
```

Update payment

without requesting content

request

HTTP

```
PATCH /api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98 HTTP/1.1
Host: localhost:8080
Content-Length: 1836

{
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ],
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD"
    },
    "currency" : "GBP",
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "end_to_end_reference" : "Wil piano Jan",
    "fx" : {
      "contract_reference" : "FX123",
      "exchange_rate" : "2.00000",
      "original_amount" : "200.42",
      "original_currency" : "USD"
    },
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
    "payment_purpose" : "Paying for goods/services",
    "payment_scheme" : "FPS",
```

```
      "payment_type" : "Credit",
      "processing_date" : "2017-01-18",
      "reference" : "Payment for Em's piano lessons",
      "scheme_payment_sub_type" : "InternetBanking",
      "scheme_payment_type" : "ImmediatePayment",
      "sponsor_party" : {
        "account_number" : "56781234",
        "bank_id" : "123123",
        "bank_id_code" : "GBDSC"
      }
    }
  }
```

response

```
                                                                    HTTP
  HTTP/1.1 204 No Content
```

requesting a JSON response

request

```
PATCH /api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98 HTTP/1.1
Accept: application/json
Host: localhost:8080
Content-Length: 1836

{
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ],
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD"
    },
    "currency" : "GBP",
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "end_to_end_reference" : "Wil piano Jan",
    "fx" : {
      "contract_reference" : "FX123",
      "exchange_rate" : "2.00000",
      "original_amount" : "200.42",
      "original_currency" : "USD"
    },
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
    "payment_purpose" : "Paying for goods/services",
```

```
    "payment_scheme" : "FPS",
    "payment_type" : "Credit",
    "processing_date" : "2017-01-18",
    "reference" : "Payment for Em's piano lessons",
    "scheme_payment_sub_type" : "InternetBanking",
    "scheme_payment_type" : "ImmediatePayment",
    "sponsor_party" : {
      "account_number" : "56781234",
      "bank_id" : "123123",
      "bank_id_code" : "GBDSC"
    }
  }
}
```

response

```http
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Content-Length: 2135

{
  "id" : "09a8fe0d-e239-4aff-8098-7923eadd0b98",
  "type" : "Payment",
  "version" : 0,
  "organisation_id" : "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes" : {
    "amount" : "100.21",
    "currency" : "GBP",
    "beneficiary_party" : {
      "account_name" : "W Owens",
      "account_number" : "31926819",
      "account_number_code" : "BBAN",
      "account_type" : 0,
      "address" : "1 The Beneficiary Localtown SE2",
      "bank_id" : "403000",
      "bank_id_code" : "GBDSC",
      "name" : "Wilfred Jeremiah Owens"
    },
    "debtor_party" : {
      "account_name" : "EJ Brown Black",
      "account_number" : "GB29XABC10161234567801",
      "account_number_code" : "IBAN",
      "address" : "10 Debtor Crescent Sourcetown NE1",
      "bank_id" : "203301",
      "bank_id_code" : "GBDSC",
      "name" : "Emelia Jane Brown"
    },
    "sponsor_party" : {
      "account_number" : "56781234",
      "bank_id" : "123123",
      "bank_id_code" : "GBDSC"
    },
    "charges_information" : {
      "bearer_code" : "SHAR",
      "receiver_charges_amount" : "1.00",
      "receiver_charges_currency" : "USD",
      "sender_charges" : [ {
        "amount" : "5.00",
        "currency" : "GBP"
      }, {
        "amount" : "10.00",
        "currency" : "USD"
      } ]
    },
    "fx" : {
      "contract_reference" : "FX123",
      "exchange_rate" : "2.00000",
      "original_amount" : "200.42",
      "original_currency" : "USD"
```

```
    },
    "end_to_end_reference" : "Wil piano Jan",
    "numeric_reference" : "1002001",
    "payment_id" : "123456789012345678",
    "payment_purpose" : "Paying for goods/services",
    "payment_scheme" : "FPS",
    "payment_type" : "Credit",
    "processing_date" : "2017-01-18",
    "reference" : "Payment for Em's piano lessons",
    "scheme_payment_type" : "ImmediatePayment",
    "scheme_payment_sub_type" : "InternetBanking"
  },
  "_links" : {
    "self" : {
      "href" : "http://localhost:8080/api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98"
    },
    "payment" : {
      "href" : "http://localhost:8080/api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98"
    }
  }
}
```

error responses

request failed validation

```
HTTP

HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Content-Length: 191

{
  "errors" : [ {
    "entity" : "Payment",
    "property" : "attributes.chargesInformation.senderCharges[0].currency",
    "invalid_value" : null,
    "message" : "must not be null"
  } ]
}
```

malformed request

```HTTP
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Content-Length: 1119

{
  "cause" : {
    "cause" : {
      "cause" : {
        "cause" : null,
        "message" : null
      },
      "message" : "Cannot deserialize value of type `java.util.Currency` from String \"foobar\"
    },
    "message" : "com.fasterxml.jackson.databind.exc.InvalidFormatException: Cannot deserialize
  },
  "message" : "Could not read payload!; nested exception is java.lang.RuntimeException: com.fas
}
```

Delete payment

request

```HTTP
DELETE /api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98 HTTP/1.1
Host: localhost:8080
```

response

```HTTP
HTTP/1.1 204 No Content
```

error responses

invalid payment id

```HTTP
HTTP/1.1 404 Not Found
```

Schema

request

```HTTP
DELETE /api/v1/payments/09a8fe0d-e239-4aff-8098-7923eadd0b98 HTTP/1.1
Host: localhost:8080
```

response

```json
{
  "title" : "Payment",
  "properties" : {
    "organisation_id" : {
      "title" : "Organisation id",
      "read_only" : false,
      "type" : "string"
    },
    "attributes" : {
      "title" : "Attributes",
      "read_only" : false,
      "type" : "object",
      "$ref" : "#/definitions/paymentAttributes"
    },
    "id" : {
      "title" : "Id",
      "read_only" : false,
      "type" : "object"
    },
    "type" : {
      "title" : "Type",
      "read_only" : false,
      "type" : "string"
    },
    "version" : {
      "title" : "Version",
      "read_only" : false,
      "type" : "integer"
    }
  },
  "definitions" : {
    "sponsor" : {
      "type" : "object",
      "properties" : {
        "bank_id_code" : {
          "title" : "Bank id code",
          "read_only" : false,
          "type" : "string"
        },
        "account_number" : {
          "title" : "Account number",
          "read_only" : false,
          "type" : "string"
        },
        "bank_id" : {
          "title" : "Bank id",
          "read_only" : false,
          "type" : "string"
        }
      }
    },
    "charges" : {
      "type" : "object",
```

```json
      "properties" : {
        "sender_charges" : {
          "title" : "Sender charges",
          "read_only" : false,
          "type" : "array",
          "items" : {
            "$ref" : "#/definitions/charge"
          }
        },
        "bearer_code" : {
          "title" : "Bearer code",
          "read_only" : false,
          "type" : "string"
        },
        "receiver_charges_amount" : {
          "title" : "Receiver charges amount",
          "read_only" : false,
          "type" : "number"
        },
        "receiver_charges_currency" : {
          "title" : "Receiver charges currency",
          "read_only" : false,
          "type" : "object"
        }
      }
    },
    "charge" : {
      "type" : "object",
      "properties" : {
        "amount" : {
          "title" : "Amount",
          "read_only" : false,
          "type" : "number"
        },
        "currency" : {
          "title" : "Currency",
          "read_only" : false,
          "type" : "object"
        }
      }
    },
    "beneficiary" : {
      "type" : "object",
      "properties" : {
        "bank_id_code" : {
          "title" : "Bank id code",
          "read_only" : false,
          "type" : "string"
        },
        "account_number" : {
          "title" : "Account number",
          "read_only" : false,
          "type" : "string"
        },
```

```
        "account_type" : {
          "title" : "Account type",
          "read_only" : false,
          "type" : "integer"
        },
        "address" : {
          "title" : "Address",
          "read_only" : false,
          "type" : "string"
        },
        "bank_id" : {
          "title" : "Bank id",
          "read_only" : false,
          "type" : "string"
        },
        "account_name" : {
          "title" : "Account name",
          "read_only" : false,
          "type" : "string"
        },
        "name" : {
          "title" : "Name",
          "read_only" : false,
          "type" : "string"
        },
        "account_number_code" : {
          "title" : "Account number code",
          "read_only" : false,
          "type" : "string"
        }
      }
    },
    "debtor" : {
      "type" : "object",
      "properties" : {
        "bank_id_code" : {
          "title" : "Bank id code",
          "read_only" : false,
          "type" : "string"
        },
        "account_number" : {
          "title" : "Account number",
          "read_only" : false,
          "type" : "string"
        },
        "address" : {
          "title" : "Address",
          "read_only" : false,
          "type" : "string"
        },
        "bank_id" : {
          "title" : "Bank id",
          "read_only" : false,
          "type" : "string"
```

```
        },
        "account_name" : {
          "title" : "Account name",
          "read_only" : false,
          "type" : "string"
        },
        "name" : {
          "title" : "Name",
          "read_only" : false,
          "type" : "string"
        },
        "account_number_code" : {
          "title" : "Account number code",
          "read_only" : false,
          "type" : "string"
        }
      }
    },
    "paymentAttributes" : {
      "type" : "object",
      "properties" : {
        "debtor_party" : {
          "title" : "Debtor party",
          "read_only" : false,
          "type" : "object",
          "$ref" : "#/definitions/debtor"
        },
        "payment_scheme" : {
          "title" : "Payment scheme",
          "read_only" : false,
          "type" : "string"
        },
        "amount" : {
          "title" : "Amount",
          "read_only" : false,
          "type" : "number"
        },
        "sponsor_party" : {
          "title" : "Sponsor party",
          "read_only" : false,
          "type" : "object",
          "$ref" : "#/definitions/sponsor"
        },
        "scheme_payment_sub_type" : {
          "title" : "Scheme payment sub type",
          "read_only" : false,
          "type" : "string"
        },
        "processing_date" : {
          "title" : "Processing date",
          "read_only" : false,
          "type" : "string",
          "format" : "date-time"
        },
```

```
    "charges_information" : {
      "title" : "Charges information",
      "read_only" : false,
      "type" : "object",
      "$ref" : "#/definitions/charges"
    },
    "numeric_reference" : {
      "title" : "Numeric reference",
      "read_only" : false,
      "type" : "string"
    },
    "end_to_end_reference" : {
      "title" : "End to end reference",
      "read_only" : false,
      "type" : "string"
    },
    "reference" : {
      "title" : "Reference",
      "read_only" : false,
      "type" : "string"
    },
    "fx" : {
      "title" : "Fx",
      "read_only" : false,
      "type" : "object",
      "$ref" : "#/definitions/forex"
    },
    "payment_type" : {
      "title" : "Payment type",
      "read_only" : false,
      "type" : "string"
    },
    "beneficiary_party" : {
      "title" : "Beneficiary party",
      "read_only" : false,
      "type" : "object",
      "$ref" : "#/definitions/beneficiary"
    },
    "payment_purpose" : {
      "title" : "Payment purpose",
      "read_only" : false,
      "type" : "string"
    },
    "payment_id" : {
      "title" : "Payment id",
      "read_only" : false,
      "type" : "string"
    },
    "currency" : {
      "title" : "Currency",
      "read_only" : false,
      "type" : "object"
    },
    "scheme_payment_type" : {
```

```
            "title" : "Scheme payment type",
            "read_only" : false,
            "type" : "string"
          }
        }
      },
      "forex" : {
        "type" : "object",
        "properties" : {
          "original_currency" : {
            "title" : "Original currency",
            "read_only" : false,
            "type" : "object"
          },
          "exchange_rate" : {
            "title" : "Exchange rate",
            "read_only" : false,
            "type" : "number"
          },
          "original_amount" : {
            "title" : "Original amount",
            "read_only" : false,
            "type" : "number"
          },
          "contract_reference" : {
            "title" : "Contract reference",
            "read_only" : false,
            "type" : "string"
          }
        }
      }
    }
  },
  "type" : "object",
  "$schema" : "http://json-schema.org/draft-04/schema#"
}
```

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