



Fortis Payments-

- `terminalPayment.start()`
- -
 -
 - A continuation
- `terminalPayment.continue()`
- `terminalPayment.capture()`





- MakeSaleTerminalPayment
- MakeRefundTerminalPayment
- ☒ • AuthorizeTerminalPayment
- CapturePayment
- VoidPayment
- ListPaymentTerminals

h

d

```
query MyQuery {  
    terminalPayment {  
        terminals {  
            id  
            name  
        }  
    }  
}
```

h

b

p

h

```
query MyQuery {  
    terminalPayment {  
        capabilities {  
            canAuthorize  
            canBlindRefund  
            canDirectRefund  
            refNoMaxLength  
        }  
    }  
}
```

h

b

b

- h



↔ Sage

- blind
- direct
-

blind
direct

refNo

is not
is

in

in

```
mutation MyMutation {  
  terminalPayment {  
    start(  
      startRequest: {  
        type: AUTHORIZE,  
        terminalId: "11ed07ba8af1eb32897e4482",  
        amount: "3.99",  
        correlationId: "abcdef",  
        refNo: "P1003",  
        sale: {  
          id: "1000",  
          seq: 1,  
          subTotal: "3.95",  
          tax: "0.04",  
          lines: {  
            sku: "GUM",  
            description: "Chewing gum",  
            unitPrice: "3.95",  
            quantity: 1,  
            uom: "EA",  
            commodityCode: null  
          }  
        }  
      }  
    }) {  
      terminalId  
      status  
      continuation {  
        code  
        retrySeconds  
      }  
      error {  
        type  
        message  
      }  
    }  
  }  
}
```



```
    providerMessage  
    isPaymentInUnknownState  
    }  
    payment {  
        id  
        saleId  
        refNo  
        requestedAmount  
        amount  
        tipAmount  
        authCode  
    }  
}  
}  
}  
}
```

AUTHORIZE
SALE **REFUND**

R	refundPaymentId	<i>blind</i>
d	direction	
f		
c	capabilities	
p		
s		

- **b**
- **h**
- **m**
 - **h**
 - **h**
 - **h**

- A capabilities

- B



- C

- D

- A correlation ID

- E

- F

- G

- H

- I

R

B

F

{

```
"data": {  
    "terminalPayment": {  
        "start": {  
            "terminalId": "11ed07ba8af1eb32897e4482",  
            "status": "CONTINUE",  
            "continuation": {  
                "code": "5cb5705a-1496-4997-8275-99c508b2c0ea",  
                "retrySeconds": 2  
            },  
            "error": null,  
            "payment": null  
        }  
    }  
}
```

}

W

continued

- J code

- K retrySeconds



↔ Sage

jh

jk

```
mutation MyMutation {
  terminalPayment {
    continue(
      continueRequest: {
        code: "5cb5705a-1496-4997-8275-99c508b2c0ea"
        correlationId: "ghijkl",
        sale: {
          id: "1000",
          seq: 1,
          subTotal: "3.95",
          tax: "0.04",
          lines: {
            sku: "GUM",
            description: "Chewing gum",
            unitPrice: "3.95",
            quantity: 1,
            uom: "EA",
            commodityCode: null
          }
        }
      })
    {
      terminalId
      status
      continuation {
        code
        retrySeconds
      }
      error {
        type
        message
        providerMessage
        isPaymentInUnknownState
      }
      payment {
        id
        saleId
```

© J



```
refNo  
requestedAmount  
amount  
tipAmount  
authCode  
}  
}  
}  
}  
  
code  
starth  
  
• h  
  • h  
  • A correlation IDh  
    • h  
    • h
```

R

h
h

h
h
continue^h

h
by
{
"data": {
 "terminalPayment": {
 "continue": {



↔ Sage

```
"terminalId": "11ed07ba8af1eb32897e4482",
"status": "OK",
☒ "continuation": null,
"error": null,
"payment": {
    "id": "11ed256a6ea7390aa07d5728",
    "saleId": "1000",
    "refNo": "P1003",
    "requestedAmount": 3.99,
    "amount": 3.99,
    "tipAmount": 0,
    "authCode": "256a6e"
}
}
}
}
}
```

▶

▶

```
mutation MyMutation {
  terminalPayment {
    capture(
      captureRequest: {
        id: "11ed256a6ea7390aa07d5728"
        amount: "3.99"
        correlationId: "mnopqr",
        sale: {
          id: "1000",
          seq: 1,
          subTotal: "3.95",
          tax: "0.04",
          lines: {
            sku: "GUM",
            description: "Chewing gum",
            unitPrice: "3.95",
            quantity: 1,
            uom: "EA",
            commodityCode: null
          }
        }
      }
    )
  }
}
```



```
        }
    }
}

{
    terminalId
    status
    continuation {
        code
        retrySeconds
    }
    error {
        type
        message
        providerMessage
        isPaymentInUnknownState
    }
    payment {
        id
        saleId
        refNo
        requestedAmount
        amount
        tipAmount
        authCode
    }
}
}
}

start
```





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•

•

- A correlation ID
 - A unique identifier assigned to each message exchange between the client and server.
- A correlation ID
 - A unique identifier assigned to each message exchange between the client and server.

start

R

sh
p

N
h
p

continue

h
by

{

```
"data": {  
    "terminalPayment": {  
        "capture": {  
            "terminalId": "11ed07ba8af1eb32897e4482",  
            "status": "OK",  
            "continuation": null,  
            "error": null,  
            "payment": {  
                "id": "11ed256a6ea7390aa07d5728",  
                "saleId": "1000",  
                "refNo": "P1003",  
                "requestedAmount": 3.99,  
                "amount": 3.99,  
                "tipAmount": 0,  
                "authCode": "256a6e"
```



```
        }
    }
}
}

mutation MyMutation {
  terminalPayment {
    void(
      voidRequest: {
        id: "11ed256a6ea7390aa07d5728",
        correlationId: "stuvwxyz"
      })
    {
      terminalId
      status
      continuation {
        code
        retrySeconds
      }
      error {
        type
        message
        providerMessage
        isPaymentInUnknownState
      }
      payment {
        id
        saleId
        refNo
        requestedAmount
        amount
        tipAmount
        authCode
      }
    }
  }
}
```



↔ Sage

}

■
■

■

■

■

start

- A *correlation ID*:
 - ■
■
■

■

■
■

■
■
■

continued