

Transfers and payments Data Model and Services 3.3

# Document Status

status: Request for comment. (valid values are < Request for Comment, Preliminary Review, Public Review, Architectural Review, Final Review, Published, Deprecated)

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# Authors and Change Log

|  |  |  |
| --- | --- | --- |
| Version | Date | Changes |
| 0.0.1 |  | * Initial Creation |
| 3.0 | 12/20/2013 | * Document updated based on inheritance model discussed in Denver AC group meeting. |
| 3.0 | 04/09/2014 | * Updated JSON examples for restructuring of transfer base xsds. |
| 3.0 | 05/07/2014 | * Updated JSON examples |
| 3.1 | 07/17/2015 | * Updated to release 3.1 |
| 3.2 | 05/10/2016 | * Updated to release 3.2 |
| 3.3 | 02/15/2017 | * Updated to release 3.3 |

# Overview of Specification

Transfers and payments data model specification describes the services used in OLB/IVR/Mobile for creating, updating, and modifying transfers and recurring transfers.

# Any know Errors in the document

|  |  |
| --- | --- |
| **Error Description** | Status of Error |
|  |  |

Table of Contents

[Document Status 1](#_Toc475008181)

[Authors and Change Log 1](#_Toc475008182)

[Overview of Specification 1](#_Toc475008183)

[Any know Errors in the document 1](#_Toc475008184)

[Document Conventions 2](#_Toc475008185)

[Definitions related to the specification 2](#_Toc475008186)

[High level use cases 3](#_Toc475008187)

[Use Case 1: A simple add a transfer 3](#_Toc475008188)

[Use Case 1: A simple add a recurring transfer 3](#_Toc475008189)

[Data Elements 3](#_Toc475008190)

[transfer Services 4](#_Toc475008191)

[TransferOccurrenceService 4](#_Toc475008192)

[TransferRecurringService 4](#_Toc475008193)

[TransferOccurrenceService Details 4](#_Toc475008194)

[Service Message: Read Transfer By Occurrence Id 4](#_Toc475008195)

[Service Message: Read Transfer By Account Id 6](#_Toc475008196)

[Service Message: Create Transfers 7](#_Toc475008197)

[Service Message: Update Transfer 9](#_Toc475008198)

[Service Message: Delete Transfers 10](#_Toc475008199)

[TransferRecurringService Details 11](#_Toc475008200)

[Service Message: Read Recurring Transfers 11](#_Toc475008201)

[Service Message: Create Recurring Transfers 13](#_Toc475008202)

[Service Message: Update Recurring Transfer 15](#_Toc475008203)

[Service Message: Delete Recurring Transfers 16](#_Toc475008204)

[General Error handling For All Services 17](#_Toc475008205)

[Bibliography 17](#_Toc475008206)

# Document Conventions

List any document conventions such as what bold and italics mean and how the document is intended to be read.

“Within this specification, the key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” are to be interpreted as described in W3 Working Group (W3C)]. However, for readability, these words do not appear in all uppercase letters in this specification.

At times, this specification recommends good practice for authors and user agents. These recommendations are not normative and conformance with this specification does not depend on their realization. These recommendations contain the expression “We recommend …”, “This specification recommends …”, or some similar wording.”

All formatting in this document utilize Word Styles.

All Citations must utilize Word Citations to automatically show at the end of the document.

All updates after the initial creation must be performed using Tracking Changes turn on and Accepted by the Architecture committee.

# Definitions related to the specification

Transfer

Transfer is moving of funds from one account to another account, within or outside the financial institution.

Recurring Transfer

Recurring transfers are transfers between accounts that are for the same amount or between the same accounts at specified intervals, e.g., weekly, every 2 weeks, quarterly, etc.

# High level use cases

## Use Case 1: A simple add a transfer

CUFX OLB

1

Transfer API with TransferOccurrenceMessage

Contains all the details about the Transfer

CUFX Data Provider

2

TransferOccurrenceList Would return the TransferID that was just created

## Use Case 1: A simple add a recurring transfer

CUFX OLB

1

Transfer API with TransferRecurringMessage

Contains all the details about the Transfer

CUFX Data Provider

2

TransferRecurringList Would return the RecurringTransferID that was just created

# Data Elements

All CUFX fields related to a validation are defined in

* TransferOccurrence.xsd
* TransferOccurrenceMessage.xsd
* TranferrRecurring.xsd
* TransferRecurringMessage.xsd
* TransferFilter.xsd

Base objects

* FundsTransferFilterBase.xsd
* FundsTransferOccurrenceBase.xsd
* FundsTransferRecurringBase.xsd

# transfer Services

## TransferOccurrenceService

TransactionOccurrenceService offers following services.

1. Service to add, update and delete a single transfer
2. Service to read list of past transfers.

## TransferRecurringService

TransactionOccurrenceService offers following services.

1. Service to add, update and delete a recurring transfer
2. Service to Read, Update, Delete list of recurring transfers.

## TransferOccurrenceService Details

### Service Message: Read Transfer By Occurrence Id

When a TransferFilter is provided the TransferOccurrence service will return a list of transfer objects that match the filter. For example, the TransferFilter when containing a fromData and ToDate would return all the transfer objects for that time period.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferOccurrenceMessage (which includes)   * cufx:MessageContext * cufx:TransferFilter |
| Outputs | A collection of cufx:TransferOccurrence objects as Cufx: TransferOccurrenceList that meets the criteria provided in the cufx:TransferFilter |
| Return Values | Status 200 if no errors were found. |
| Side Effects | No data is being manipulated, only a lookup is being performed. |
| Dependencies | Security Services for authentication and security. |
| CUFX Rest Link | https://api.dataprovider.com/TranferOccurrence/ |

REST-JSON read transfer

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

**X**-**HTTP**-**Method**-**Override**: **GET**

X-API-Version: >=3.3.0

**POST** [**https://api.dataprovider.com/transferoccurrence**](https://api.dataprovider.com/transferoccurrence)

{

"transferOccurrenceMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"occurrenceIdList": {

"occurrenceId": [

"567654"

]

}

...

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferOccurrenceList": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"transferOccurrence": [

{

"occurrenceId": "567654",

"recurringId": "recurringId1",

"occurrenceAmount": {

"value": "1",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"processingStartedDateTime": "1900-01-01T01:01:01Z",

"processedDateTime": "1900-01-01T01:01:01Z",

"completedDateTime": "1900-01-01T01:01:01Z",

"lastUpdatedDateTime": "1900-01-01T01:01:01Z",

"occurrenceConfirmationCode": "occurrenceConfirmationCode1",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1",

"customData": {

"valuePair": [

{

"name": "name1",

"value": "value1"

}

]

}

}

]

}

}

### Service Message: Read Transfer By Account Id

When a TransferFilter is provided the TransferOccurrence service will return a list of transfer objects that match the filter. For example, the TransferFilter when containing a fromData and ToDate would return all the transfer objects for that time period.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferOccurrenceMessage (which includes)   * cufx:MessageContext * cufx:TransferFilter |
| Outputs | A collection of cufx:TransferOccurrence objects as Cufx: TransferOccurrenceList that meets the criteria provided in the cufx:TransferFilter |
| Return Values | Status 200 if no errors were found. |
| Side Effects | No data is being manipulated, only a lookup is being performed. |
| Dependencies | Security Services for authentication and security. |
| CUFX Rest Link | https://api.dataprovider.com/TranferOccurrence/ |

REST-JSON read transfer

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

**X**-**HTTP**-**Method**-**Override**: **GET**

X-API-Version: >=3.3.0

**POST** [**https://api.dataprovider.com/transferoccurrence**](https://api.dataprovider.com/transferoccurrence)

{

"transferOccurrenceMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"startCompletedDateTime": "1900-01-01T01:01:01Z",

"endCompletedDateTime": "1900-01-01T01:01:01Z",

"accountIDList": {

"accountId": [

"accountId1"

]

}

...

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferOccurrenceList": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"transferOccurrence": [

{

"occurrenceId": "567654",

"recurringId": "recurringId1",

"occurrenceAmount": {

"value": "1",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"processingStartedDateTime": "1900-01-01T01:01:01Z",

"processedDateTime": "1900-01-01T01:01:01Z",

"completedDateTime": "1900-01-01T01:01:01Z",

"lastUpdatedDateTime": "1900-01-01T01:01:01Z",

"occurrenceConfirmationCode": "occurrenceConfirmationCode1",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1",

"customData": {

"valuePair": [

{

"name": "name1",

"value": "value1"

}

]

}

}

]

}

}

### Service Message: Create Transfers

The CreateTransfer service message will create the transfer record on the host system and respond with a list of TransferOccurrenceIdList.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferOccurrenceMessage (which includes)   * cufx:MessageContext * cufx: TransferOccurrenceList |
| Outputs | **cufx:OccurrenceIdList** |
| Return Values | HTTP Status of 201 if the transfer was successfully created on the host system, otherwise an Error response (see Error specification). |
| Side Effects | Creates a new transfer record on the core system if successful. |
| Dependencies |  |
| CUFX REST LINK | https://api.dataprovider.com/transferoccurrence / |

REST-JSON Example

**REQUEST:**

Headers:

**<Security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

X-API-Version: >=3.3.0

**POST** [**h**ttps://api.dataprovider.com/transferoccurrence](https://api.dataprovider.com/transferoccurrence)

{

"transferOccurrenceMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferOccurrenceList": {

"transferOccurrence": [

{

"occurrenceAmount": {

"value": "123.00",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1"

}

]

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferOccurrenceList": {

"transferOccurrence": [

{

"occurrenceId": "occurrenceId1",

"occurrenceAmount": {

"value": "123.00",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"processingStartedDateTime": "1900-01-01T01:01:01Z",

"lastUpdatedDateTime": "1900-01-01T01:01:01Z",

"occurrenceConfirmationCode": "occurrenceConfirmationCode1",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1"

}

]

}

}

}

### Service Message: Update Transfer

The Update Transfer service message is used to update the upcoming transfers on the host system. A valid TransferOccurrenceMessage filter must be passed in that indicate the upcoming transfer or transfers to be updated.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferOccurrenceMessage (which includes)   * cufx:MessageContext * cufx: TransferOccurrenceList |
| Outputs | **cufx:**TransferOccurrenceList |
| Return Values | HTTP Status of 204 if the trasnfer was successfully updated on the host system, otherwise an Error response (see Error specification). |
| Side Effects | Updates the existing transfer record on the core system if successful. |
| Dependencies | The transfer should be a schedule transfer not past transfer. |
| CUFX REST LINK | https://api.dataprovider.com/TransferOccurrence/ |

REST-JSON Example

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

X-API-Version: >=3.3.0

**PUT** [**h**ttps://api.dataprovider.com/transferoccurrence](https://api.dataprovider.com/transferoccurrence)

{

"transferOccurrenceMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"occurrenceIdList": {

"occurrenceId": [

"567654"

]

},

"transferOccurrenceList": {

"transferOccurrence": [

{

"occurrenceId": "567654",

"occurrenceAmount": {

"value": "78.00",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1"

}

]

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferOccurrenceList": {

"transferOccurrence": [

{

"occurrenceId": "567654",

"occurrenceAmount": {

"value": "78.00",

"currencyCode": "USD"

},

"occurrenceFromAccountId": "occurrenceFromAccountId1",

"occurrenceToAccountId": "occurrenceToAccountId1",

"occurrenceStatus": "Scheduled",

"fundsWithdrawalType": "WhenRequested",

"occurrenceMemo": "occurrenceMemo1",

"estimatedProcessDateTime": "1900-01-01T01:01:01Z",

"createdDateTime": "1900-01-01T01:01:01Z",

"processingStartedDateTime": "1900-01-01T01:01:01Z",

"lastUpdatedDateTime": "1900-01-01T01:01:01Z",

"occurrenceConfirmationCode": "occurrenceConfirmationCode1",

"queuedForPosting": "true",

"note": "note1",

"batchId": "batchId1"

}

]

}

}

}

### Service Message: Delete Transfers

When a TransferFilter is provided the TransferOccurrence service will delete a list of upcoming transfer objects that match the filter. For example, the TransferFilter when containing a fromData and ToDate would delete all the transfer objects for that time period.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferOccurrenceMessage (which includes)   * cufx:MessageContext * cufx:TransferFilter |
| Outputs |  |
| Return Values | Status 200 if transfers were deleted. 404 if the transfer was not found. |
| Side Effects | Transfer is deleted from the system of record. |
| Dependencies | Security Services for authentication and security. |
| CUFX Rest Link | https://api.dataprovider.com/TranferOccurrence/ |

REST-JSON Delete transfer

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

**X**-**HTTP**-**Method**-**Override**: **DELETE**

X-API-Version: >=3.3.0

**POST** [**https://api.dataprovider.com/transferoccurrence**](https://api.dataprovider.com/transferoccurrence)

{

"transferOccurrenceMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"occurrenceIdList": {

"occurrenceId": [

"567654"

]

}

}

...

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

## TransferRecurringService Details

### Service Message: Read Recurring Transfers

When a TransferFilter is provided the TransferRecurring service will return a list of recurring transfer objects that match the filter. For example, the TransferFilter when containing a fromData and ToDate would return all the transfer objects for that time period.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferRecurringMessage (which includes)   * cufx:MessageContext * cufx:TransferFilter |
| Outputs | A collection of cufx:TransferRecurring objects as Cufx: TransferRecurringList that meets the criteria provided in the cufx:TransferFilter |
| Return Values | Status 200 if no errors were found. |
| Side Effects | No data is being manipulated, only a lookup is being performed. |
| Dependencies | Security Services for authentication and security. |
| CUFX Rest Link | https://api.dataprovider.com/TranferRecurring/ |

REST-JSON read Recurringtransfer

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

**X**-**HTTP**-**Method**-**Override**: **GET**

X-API-Version: >=3.3.0

**POST https://api.dataprovider.com/transferrecurring**

{

"transferRecurringMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"recurringIdList": {

"recurringId": [

"874456"

]

},

"accountIDList": {

"accountId": [

"accountId1"

]

},

"minAmount": {

"value": "1.00",

"currencyCode": "USD"

},

"maxAmount": {

"value": "500.00",

"currencyCode": "USD"

}

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{ "transferRecurringList": {

"transferRecurring": [

{

"recurringId": "874456",

"recurringAmount": {

"value": "220.23",

"currencyCode": "USD"

},

"recurringFromAccountId": "recurringFromAccountId1",

"recurringToAccountId": "recurringToAccountId1",

"recurringStatus": "Requested",

"recurringMemo": "recurringMemo1",

"isElectronic": "true",

"createdByFiUserId": "createdByFiUserId1",

"frequency": "Monthly",

"totalPaymentCount": "1",

"paymentsLeft": "1",

"fundsWithdrawalType": "WhenRequested",

"createRequestDateTime": "1900-01-01T01:01:01Z",

"firstScheduledDateTime": "1900-01-01T01:01:01Z",

"lastModifiedDate": "1900-01-01T01:01:01Z",

"recurringConfirmationCode": "recurringConfirmationCode1",

"recurringOccurrenceIdList": {

"occurrenceId": [

"123456"

]

}

}

]

}

}

}

### Service Message: Create Recurring Transfers

The CreateRecurringTransfer service message will create the transfer record on the host system and respond with a list of TransferRecurringIdList.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferRecurringMessage (which includes)   * cufx:MessageContext * cufx: TransferRecurringList |
| Outputs | **cufx:RecurringOccurrenceIdList** |
| Return Values | HTTP Status of 201 if the transfer was successfully created on the host system, otherwise an Error response (see Error specification). |
| Side Effects | Creates a new transfer record on the core system if successful. |
| Dependencies |  |
| CUFX REST LINK | https://api.dataprovider.com/TranferRecurring / |

REST-JSON Example

**REQUEST:**

Headers:

**<Security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

X-API-Version: >=3.3.0

**POST h**ttps://api.dataprovider.com/transferrecurring

{

"transferRecurringMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferRecurringList": {

"transferRecurring": [

{

"recurringAmount": {

"value": "145.12",

"currencyCode": "USD"

},

"recurringFromAccountId": "recurringFromAccountId1",

"recurringToAccountId": "recurringToAccountId1",

"recurringStatus": "Requested",

"recurringMemo": "recurringMemo1",

"isElectronic": "true",

"isOpenEnded": "true",

"createdByFiUserId": "createdByFiUserId1",

"frequency": "OneTime",

"totalPaymentCount": "1",

"paymentsLeft": "14",

"fundsWithdrawalType": "WhenRequested",

"createRequestDateTime": "1900-01-01T01:01:01Z",

"firstScheduledDateTime": "1900-01-01T01:01:01Z",

"recurringOccurrenceIdList": {

"occurrenceId": [

"occurrenceId1"

]

}

}

]

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferRecurringList": {

"transferRecurring": [

{

"recurringId": "recurringId1",

"recurringAmount": {

"value": "145.12",

"currencyCode": "USD"

},

"recurringFromAccountId": "recurringFromAccountId1",

"recurringToAccountId": "recurringToAccountId1",

"recurringStatus": "Requested",

"recurringMemo": "recurringMemo1",

"isElectronic": "true",

"isOpenEnded": "true",

"createdByFiUserId": "createdByFiUserId1",

"frequency": "Monthly",

"totalPaymentCount": "1",

"paymentsLeft": "14",

"fundsWithdrawalType": "WhenRequested",

"createRequestDateTime": "1900-01-01T01:01:01Z",

"firstScheduledDateTime": "1900-01-01T01:01:01Z",

"recurringConfirmationCode": "recurringConfirmationCode1",

"recurringOccurrenceIdList": {

"occurrenceId": [

"occurrenceId1"

]

}

}

]

}

}

### Service Message: Update Recurring Transfer

The Update Transfer service message is used to update the upcoming recurring transfers on the host system. A valid TransferRecurringMessage filter must be passed in that indicate the upcoming recurring transfers to be updated.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferRecurringMessage (which includes)   * cufx:MessageContext * cufx: TransferRecurringList |
| Outputs | **cufx:**TransferRecurringList |
| Return Values | HTTP Status of 204 if the transfer was successfully updated on the host system, otherwise an Error response (see Error specification). |
| Side Effects | Updates the existing transfer record on the core system if successful. |
| Dependencies | The transfer should be a schedule transfer not past transfer. |
| CUFX REST LINK | https://api.dataprovider.com/TransferRecurring/ |

REST-JSON Example

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

X-API-Version: >=3.3.0

**PUT h**ttps://api.dataprovider.com/transferrecurring

{

"transferRecurringMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"recurringIdList": {

"recurringId": [

"874456"

]

}

}

"transferRecurringList": {

"transferRecurring": [

{

"recurringId": "874456",

"recurringAmount": {

"value": "145.12",

"currencyCode": "USD"

},

"recurringFromAccountId": "recurringFromAccountId1",

"recurringToAccountId": "recurringToAccountId1",

"recurringStatus": "Requested",

"recurringMemo": "recurringMemo1",

"isElectronic": "true",

"isOpenEnded": "true",

"createdByFiUserId": "createdByFiUserId1",

"frequency": "OneTime",

"totalPaymentCount": "1",

"paymentsLeft": "6",

"fundsWithdrawalType": "WhenRequested",

"createRequestDateTime": "1900-01-01T01:01:01Z",

"firstScheduledDateTime": "1900-01-01T01:01:01Z",

"recurringOccurrenceIdList": {

"occurrenceId": [

"occurrenceId1"

]

}

}

]

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

Payload:

{

"transferRecurringList": {

"transferRecurring": [

{

"recurringId": "recurringId1",

"recurringAmount": {

"value": "145.12",

"currencyCode": "USD"

},

"recurringFromAccountId": "recurringFromAccountId1",

"recurringToAccountId": "recurringToAccountId1",

"recurringStatus": "Requested",

"recurringMemo": "recurringMemo1",

"isElectronic": "true",

"isOpenEnded": "true",

"createdByFiUserId": "createdByFiUserId1",

"frequency": "Monthly",

"totalPaymentCount": "1",

"paymentsLeft": "6",

"fundsWithdrawalType": "WhenRequested",

"createRequestDateTime": "1900-01-01T01:01:01Z",

"firstScheduledDateTime": "1900-01-01T01:01:01Z",

"lastModifiedDate": "1900-01-01T01:01:01Z",

"recurringConfirmationCode": "recurringConfirmationCode1",

"recurringOccurrenceIdList": {

"occurrenceId": [

"occurrenceId1"

]

}

}

]

}

}

### Service Message: Delete Recurring Transfers

When a TransferFilter is provided the TransferOccurrence service will delete a list of upcoming transfer objects that match the filter. For example, the TransferFilter when containing a fromData and ToDate would delete all the transfer objects for that time period.

|  |  |
| --- | --- |
| INPUTS | cufx: TransferRecurringMessage (which includes)   * cufx:MessageContext * cufx:TransferFilter |
| Outputs |  |
| Return Values | Status 200 if transfers were deleted. 404 if the transfer was not found. |
| Side Effects | Transfer is deleted from the system of record. |
| Dependencies | Security Services for authentication and security. |
| CUFX Rest Link | https://api.dataprovider.com/TranferRecurring/ |

REST-JSON Delete transfer

**REQUEST:**

Headers:

**<security related header parameters... see Security Services>**

Accept: application/json

Accept-Charset: utf-8

Accept-Language: en-us (IANA – language codes)(W3C, HTTP Protocols)

Content-type: application/json; charset=utf-8

**X**-**HTTP**-**Method**-**Override**: **DELETE**

X-API-Version: >=3.3.0

**POST https://api.dataprovider.com/transferrecurring**

{

"transferRecurringMessage": {

"@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",

"messageContext": {

<See messageContext.xsd>

},

"transferFilter": {

"recurringIdList": {

"recurringId": [

"874456"

]

}

}

}

}

RESPONSE

Headers:

Status Code: 200 Ok

Content-type: application/json; charset=utf-8

Content-Language: en-us

# General Error handling For All Services

Refer to latest CUFX documentation *Error Mapping*.

# Bibliography

W3C. (n.d.). *Key words for use in RFCs to Indicate Requirement Levels [RFC2119].* Retrieved Sept. 8th, 2011, from W3C.