

Document Data and Services 3.2

# Document Status

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

This version: **Assembla**.com. Files Tag = CUFX\_3.2\_RFC\_Active

Previous Version: **Assembla**.com. Files Tag = CUFX\_3.1\_RFC\_Archive

# Change Log

|  |  |  |
| --- | --- | --- |
| Version | Date | Changes |
| 0.0.01 |  | * Initial Draft |
| 0.0.02 |  | * Update id List for consistency and make sure array’s were defined properly |
| 0.0.03 |  | * Renamed to document services to make it more generic and cover more document types. |
| 3.0 | **10/29/2013** | * Switch to use X-HTTP-METHOD-OVERRIDE standard rather than subMethod non-Standard method for overriding request types. * Create a documentMessage wrapper for every message to increase ability for infrastructure to serialize the data * Versioning and format change with release CUFX 3.0 |
| 3.0 | **12/13/2013** | * Update examples X-API-Version to >=3.0.0 |
| 3.0 | **01/07/2014** | * Updated JSON Examples. |
| 3.1 | **07/17/2015** | * Updated to release 3.1 |
| 3.2 | **05/10/2016** | * Updated to release 3.2 |

# Overview of Specification

The Document Data Model and Services defines the information stored when a person signs a document or agreement electronically or manually such as loan document, membership agreements, etc. The model and services also relate the document to the party(ies), relationship and/or account(s)s to which it relates. Documents can be created, read, updated or deleted within the back end system via the service methods. In addition, to storing final documents, document services also contains the concept of a template documents for selection by the document type, sub type and the scenario to which it applies (such as particular state, SEG or product). Document templates can be pulled up with the member information pre-filled by requesting that it be prefilled in the service request instructions. The actual image (s) of the document is stored using artifact services.

Documents and document templates can be effective dated and expired if necessary.

# Any know Errors in the document

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

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# 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

**Document**

Textual and graphical information that conveys information that is either information or an agreement between legal entities.

**Disclosure**

A document, notification, web page, etc. that has legal information that is required to be agreed to by the party(ies) related to accounts or a relationship or just sent to or viewed by the party(ies).

# Data Elements

## Filters used when accessing the Document data

Refer to Security Services documentation to understand what may be contained the header and processed by security procedures. When accessing the data include **MessageContext.xsd** so that the service can determine the scope of the request. Refer to recent CUFX messageContext Data and CUFX Security Services for use of MessageContext.xsd.

Include any filter variables related to the request. See **DocumentFilter.xsd.**

## Document Data attributes

All CUFX fields related to the document service are defined in **Document.xsd.**

# Document Services

## Overview

|  |  |
| --- | --- |
| Definition | Collection of services to create, read, update or delete the documents or document templates within the backend system. The document data defines the information stored when a person signs a document or agreement electronically or manually. The document data relates the documents to the party, relationship and/or account to which it relates. Document templates can be pulled up and prefilled with party, account or relationship data. |
| Overview of Capabilities | Create, read, update and delete a document, documents, or document templates. |
| Dependencies | Security Services, messageContext, party |
| Sample CUFX REST LINK | https://api.dataprovider.com/document |
| CUFX SOAP LINK |  |
| CUFX WaDL LINK |  |

## Document Resource based create, read, update, delete services

|  |  |
| --- | --- |
| INPUTS | cufx:documentMessage (which includes)   * cufx:messageContext * cufx:documentFilter (read, update, delete) * cufx:documentList (create) |
| Outputs | cufx:documentList |
| Return Values | cufx: Error |
| Side Effects | Read has no side effects. |
| Dependencies | Security Services for authentication and security. |
| Fields used | **Message Headers** : See security services  **messageContext**: See MessageContext.xsd  **Filters**: See DocumentFilter.xsd  **Attributes:** documentList: See Document.xsd |

### REST-JSON READ Document Template example

This example shows a Truth in Lending document template being retrieved.

**Required**: messageContext.

**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: >=3.0.0

**POST h**ttps://api.datasource.com/document

{

“documentMessage”: {

“messageContext”: { <see MessageContext.xsd> },

"documentList": [{

“document” :[{

“prefillable”:”False”

}]

}],

“documentFilter”: {

“documentTypeList”:[”Disclosure”],

“documentSubTypeList”:[“TrutheInLending”],

“filterDateTime”: ”2013-03-01T05:21Z”,

“documentStatusList”:[“Template”]

}

}

}

**RESPONSE:**

Headers:

Status Code: 200 Ok

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

Content-Language: en-us

{

“documentList”: [{

“document” : [{

“documentId”:”848182”,

“documentTitle”:”Truth In Lending”,

“documentType”:”Disclosure”,

“documentSubType”:”TruthInLending”,

“documentStatus”:”Template”,

“documentVersion”:”1.0”,

“effectiveDateTime”:”2011-01-01T00:00Z”,

“expirationDateTime”:”2014-12-31T00:00Z”,

“documentArtifactIdList”:{

“artifactId”:{“artifactUniqueId”:”521339854”},

},

“prefillable”:”False”,

“prefilled”:”False”,

}]

}]

}

### REST-JSON CREATE Document example

This example shows taking the previous template and creating a disclosure document for a two parties on an account.

**Required**: messageContext.

**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: >=3.0.0

**POST h**ttps://api.datasource.com/document

{

“documentMessage”: {

“messageContext”: { <see MessageContext.xsd>

},

“documentList”: [{

“document” : [{

“documentTitle”:”Truth In Lending”,

“documentType”:”Disclosure”,

“documentSubType”:”TruthInLending”,

“documentStatus”:”Sent”,

“documentVersion”:”1.0”,

“effectiveDateTime”:”2013-03-28T12:35Z”,

“expirationDateTime”:”2014-03-28T12:35Z”,

“documentArtifactIdList”:{

“artifactId”:{“artifactUniqueId”:”153415534h34h53a”},

},

“partyIdList”:[”13534”,”3534135534”],

“accountIdList”:[”12315”],

“prefillable”:”False”,

“prefilled”:”False”,

}]

}]

}

}

**RESPONSE:**

Headers:

Status Code: 200 Ok

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

Content-Language: en-us

{

“documentList”: [{

“document” : [{

“documentId”:”5451542871asd54e31”,

“documentTitle”:”Truth In Lending”,

“documentType”:”Disclosure”,

“documentSubType”:”TruthInLending”,

“documentStatus”:”Sent”,

“documentVersion”:”1.0”,

“effectiveDateTime”:”2013-03-28T12:35Z”,

“expirationDateTime”:”2014-03-28T12:35Z”,

“documentArtifactIdList”:{

“artifactId”:{“artifactUniqueId”:”153415534h34h53a”},

},

“partyIdList”:[”13534”,”3534135534”],

“accountIdList”:[”12315”],

“prefillable”:”False”

“prefilled”:”False”,

}]

}]

}

### REST-JSON READ Document example

This example shows a document being read for a two parties on an account.

**Required**: messageContext.

**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: >=3.0.0

**POST h**ttps://api.datasource.com/document

{

“documentMessage”: {

“messageContext”: { <see MessageContext.xsd>

},

“documentFilter”: {

“documentIdList”:[”5451542871asd54e31”]

}

}

}

**RESPONSE:**

Headers:

Status Code: 200 Ok

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

Content-Language: en-us

{

“documentList”: [{

“document” : [{

“documentId”:”5451542871asd54e31”,

“documentTitle”:”Truth In Lending”,

“documentType”:”Disclosure”,

“documentSubType”:”TruthInLending”,

“documentStatus”:”Sent”,

“documentVersion”:”1.0”,

“effectiveDateTime”:”2013-03-28T12:35Z”,

“expirationDateTime”:”2014-03-28T12:35Z”,

“documentArtifactIdList”:{

“artifactId”:{“artifactUniqueId”:”153415534h34h53a”},

},

“partyIdList”:[”13534”,”3534135534”],

“accountIdList”:[”12315”],

“prefillable”:”False”,

“prefilled”:”False”,

}]

}]

}

### REST-JSON UPDATED Document example

This example shows a document being updated for a two parties on an account.

**Required**: messageContext.

**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: >=3.0.0

**PUT h**ttps://api.datasource.com/document

{

“documentMessage”: {

“messageContext”: { <see MessageContext.xsd>

},

“documentFilter”: {

“documentIdList”:[”5451542871asd54e31”]

},

“documentList”: [{

“document” : [{

“documentId”:”5451542871asd54e31”,

“documentStatus”:”Received”,

“documentSignatureList”:[{

“documentSignatureType”:”SingleClickAcceptance”,

“documentSignedDate”:“2013-01-28T11:03Z”,

“signaturePartyid”:”3534135534”,

“signedWithIpAddress”:”111.34.35.123”,

“documentDigitalFingerprint”:”1235FF1AE1235”,

“documentDigitalAlgorithm”:“SHA-1”,

“documentDigitalCertificate”:”11519987198118aae993fg991j3…”,

“usersPublicKey”:”135876a8167343…”

}]

}]

}

}

**RESPONSE:**

Headers:

Status Code: 200 Ok

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

Content-Language: en-us

{

“documentList”: [{

“document” : [{

“documentId”:”5451542871asd54e31”,

“documentTitle”:”Truth In Lending”,

“documentType”:”Disclosure”,

“documentType”:”TruthInLending”,

“documentStatus”:”Received”,

“documentVersion”:”1.0”,

“effectiveDateTime”:”2013-03-28T12:35Z”,

“expirationDateTime”:”2014-03-28T12:35Z”,

“documentArtifactIdList”:{

“artifactId”:{“artifactUniqueId”:”153415534h34h53a”},

},

“documentSignatureType”:”WetSignature”

“documentSignedDate”:“2013-01-28T11:03Z”,

“partyIdList”:[”13534**”,”3534135534”**],

“accountIdList”:[”12315”],

“prefillable”:”False”,

“prefilled”:”False”,

“documentSignatureList”:[{

“documentSignatureType”:”SingleClickAcceptance”,

“documentSignedDate”:“2013-01-28T11:03Z”,

“signaturePartyid”:”3534135534”,

“signedWithIpAddress”:”11.34.35.123”,

“documentDigitalFingerprint”:”1235FF1AE1235”,

“documentDigitalAlgorithm”:“SHA-1”,

“documentDigitalCertificate”:”11519987198118aae993fg991j3…”,

“usersPublicKey”:”135876a8167343…”

]]

}]

}

### REST-JSON DELETE Document example

This example shows a document being deleted for a two parties on an account.

**Required**: messageContext.

**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: >=3.0.0

**PUT h**ttps://api.datasource.com/document

{

“documentMessage”: {

“messageContext”: { <see MessageContext.xsd>

},

“documentFilter”: {

“documentIdList”:[”5451542871asd54e31”]

}

}

}

**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.