

Permissions 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)

This version: **Assembla**.com. Files Tag = CUFX\_3.3\_RFC\_Active

Previous Version: **Assembla**.com. Files Tag = CUFX\_3.2\_RFC\_Archive

# Change Log

|  |  |  |
| --- | --- | --- |
| Version | Date | Changes |
| 0.0.01 |  | * Initial Creation |
| 0.0.02 |  | * Renamed to Permissions Services from Entitlement Services * Added definitions |
| 3.0 | **10/29/2013** | * Versioning and format change with release CUFX 3.0 |
| 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

The CUFX entitlement Data and Services is a collection of services that drive the user experience and allow systems to be personalized to the consumer of the service.

# Any know Errors in the document

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| **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

Principal

A principal is the subject permitted to perform an action. This may be a user, party, or relationship.

Action

An action is feature or ability being permitted, such as ViewTransactions or StopPayment or ManageUser.

Resource

A resource is the direct object of the action. This may be an account, user, card, or relationship.

Limit

The maximum amount of money, or a maximum count this action is permitted along with a tabulation of the amount or number already performed. If a resource is specified, these limits apply to the action with respect to that resource, otherwise these limits apply to the action institution-wide for the principal.

Permission

An action a principal is permitted to perform using a resource within any specified limits.

# Concepts

MUltiple Permissions

When querying for permissions, use the filter from PermissionListFilter.xsd to specify which prinicipal(s), action(s), or resource(s) you wish to list the permissions for. This will return a list of permissions applying to all the fields you specified.

For example, if you want to know whether a user has permission to view transactions, send a query filtering to that user and the ViewTransactions action. All permissions for that action, including all account-specific ones, will be returned in a list.

# Data Elements

## Filters used when accessing the Permission 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 PermissionListFilter.xsd

## Permission Data attributes

All CUFX fields related to a preference are defined in **PermissionList.xsd**.

Note: Fields not listed in the calling specification are not to be returned to the calling specification. i.e. If the field transaction type is not listed in the calling specification, then do not return the data field to alleviate issues with unexpected information and bloat of information being returned to light weight applications.

# Services

## Overview

|  |  |
| --- | --- |
| Definition | Collection of elements used to initialize a program |
| Overview of Capabilities | Read configurations from a system for stating field values. The following scenarios may exist. The configuration may be connected to an existing relationship, account, party, card and contact. |
| Dependencies | Account, Party, contact, card, and relationship data and security services |
| Sample CUFX REST LINK |  |
| CUFX WaDL LINK |  |

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

|  |  |
| --- | --- |
| INPUTS |  |
| Outputs | cufx:permissionList |
| Return Values | cufx:error |
| Side Effects |  |
| Dependencies | Security Services for authentication and security. |
| Fields used |  |

### REST-JSON

# 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.