CCN Service Bus API Guide

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| --- | --- | --- |
| **Change** | **Version** | **By** |
| **New version** | **1.0** | **KK** |

Version History

## Web Service API (For Publishing only)

The followings information is required to publish document to CCN Service Bus via SOAP interface

|  |  |  |
| --- | --- | --- |
| **Web service URL** | **Environment** | **Remarks** |
| http://apidev.ccnhub.com/CCN.ServiceBus.WCFAdaptor/wcfAdaptorService.svc | Test |  |
| TBA | Pre-Production |  |
| TBA | Production |  |

The SOAP Request/Response Information

|  |  |  |
| --- | --- | --- |
| **Element Name** | **Type** | **Remarks** |
| PublishDocument | Operation | IWcfAdaptorService operation, used by application to publish document to CCN Service Bus |
| ccnDocument | String | PublishDocument operation’s input parameter. There are many type of CCN Document formats, the supported types are listed in following sections of this document. |
| ErrorMessage | String | PublishDocument response parameter, this response parameter contains error message returned by CCN Service Bus.  If publish operation is successful, error message will contain empty string. |

## Web Service Interface (For Subscriber Web Service implementation)

This section contains Interface (ISubscriberClient) requirement to be implemented by subscriber client as web service so that CCN Service Bus is able to push subscribed document to client by consuming the service.

|  |  |  |
| --- | --- | --- |
| **Subscriber Web service URL implemented** | **Environment** | **Remarks** |
| To be provided by Client | Test |  |
| To be provided by Client | Pre-Production |  |
| To be provided by Client | Production |  |

All client has to implement ISubscriberClient interface in order to receive document subscribed in CCN Service Bus.

|  |  |  |
| --- | --- | --- |
| **Element Name** | **Type** | **Remarks** |
| ISubscriberClient | Interface | This is the interface library to be implemented by Client web service |
| ReceiveDocument | Operation | ISubscriberClient operation which is used by CCN Service Bus to push subscribed document to client. |
| ccnDocument | String | ReceiveDocument operation’s input parameter. There are many type of CCN Document formats, the supported types are listed in following sections of this document.  Typically, the type of CCN Document format received is pre-defined and agreed by both client and CCN.  Default format used is CCN Application Document format, unless otherwise requested by client. |
| ErrorMessage | String | ReceiveDocument’s response parameter, this response parameter contains error message returned by Client web service.  If publish operation is successful, error message will contain empty string. |

## CCN Application Document Specification

This is the default and recommended document format for all CCN Application to publish document to CCN Service Bus. Application is required to serialise this document structure into JSON Format before publishing to CCN ServiceBus.

|  |  |  |
| --- | --- | --- |
| **Field** | **Format** | **Remark** |
| ***Sender Section*** |  |  |
| MyCompanyID | String M(50) | Company registered ID in LINC |
| MyCompanyCity | String M(3) | City code of registered company in LINC |
| MyEmailAddress | String O(50) | Email address of sender |
| MyProductID | String M(50) | Registered product/application in LINC that publish this document |
|  |  |  |
| ***Recipient Section*** | Collection | Can have up to 10 recipient sections |
| MyContactPartyID | String M(50) | Party ID that exist in Sender CAB  For connecting to Airline, use IATA Carrier Code, e.g. “SQ, MH, QF” etc |
| MyContactCompanyName | String M(200) | Read Only |
| MyContactEmailAddress | String M(50) | Email address of recipient |
| MyContactProductID | String O(50) | Recipient Product ID that subscribe  For connecting to Airline, default to “AIR” |
|  |  |  |
| ***Document Information*** |  |  |
| DocumentID | String O(50) | Read Only. Unique Document ID in CCN |
| DocumentType | String M(20) | Registered document type to exchange |
| DocumentReference | String O(250) |  |
| *DocumentKeyValue* | Collection O | Can have up to 50 key values |
| Key | String M(100) | Key fields |
| Value | String M(100) | Value relating to the key |
| *DocumentTag* | Collection O | Can have up to 50 tags |
| Value | String M(250) | Tag value |
| DocumentBody | Byte[] M | Document converted to byte array |