DX IPAAS APIS

A Comprehensive Guide

Covalensedigital

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Log In

Description

This API is used to validate the registered customer in the application and provides customer data in the response.

After successful validation, the customer will receive a user-specific token that enables them to perform subsequent actions within their account after logging in. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post `/dx-sync/crm/v1/login`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
appId	String	CDS will Provide the **app ID.**	39cda907-6a33-36fa-a511-6b6cc7102c88	Mandatory
correlationId	String	Provide the **correlationId** as the value.	067aed38-3d33-410a-b129-2e0d7129c542	Mandatory
source	String	Provide the **source** as the value.	Selfcare	Mandatory
srdate	String	Provide the **date** as the value.	1681304233087	Mandatory
operation	String	Provide the **operation** as the value.	CustomerLogin	Mandatory
destination	String	Provide the **destination** as the value.	MOM	Mandatory
tenancyId	String	**tenancyId** will be provided by CDS for connections.	MVNO_CSMARTGA_BAN	Mandatory
type	String	Type of user to be pass	Username	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
email	String	Provide the customer's registered **email ID** as the value.	Mandatory
password	String	Provide **password,** provided at the time of registration.	Mandatory
source	String	Provide **source** system name.	Mandatory

Sample Request

JSON	Copy

```json
{
        "email":"ShinyMohanPrepaid3942",
        "password":"Abcd@1234",
            "source":"app"
}
```

Sample Response

Code 200

JSON	Copy

```json
Successful Login
{
    "response": {
        "success": "true",
        "result": {
            "lastName": "MohanPrepaid",
            "loginId": "ShinyMohanPrepaid3942",
            "profileImage": "",
            "platform": "Prepaid",
            "bdom": "",
            "simReplacementInProgress": 0,
            "doNotDisturb": false,
            "segment": "",
            "email": "shinypre@yopmail.com",
            "editAccess": "true",
            "roaming": false,
            "contractStatus": "",
            "contactId": "12x1105022",
            "mobile": "9632269966",
            "accountclass": "Service",
            "currencySymbol": "€",
            "serviceActivatedDate": "",
            "isTempPassword": false,
            "assigned_user_id": "19x102062",
            "dashboardInfo": {
                "noOfServiceAccounts": 0
            },
```

```
          "userName": "ShinyMohanPrepaid3942",
          "accountNumber": "01C137809",
          "accessToken":
"eyJhbGciOiJIUzUxMiJ9.eyJ0ZW5hbnRUeXBlIjoiY2xpZW50IiwidGVuYW5jeUlkIjoiTVZOT19DU01BUlRHQV9CQ
U4iLCJsb2dpblVzZXJuYW1lIjoiU2hpbmlNb2hhblByZXBhaWQzOTQyIiwibG9naW5UeXBlIjoidXNlcm5hbWUiLCJh
cHBJZCI6IjM5Y2RhOTA3LTZhMzMtMzZmYS1hNTExLTZiNmNjNzEwMmM4OCIsImFjY291bnRObyI6IjAxQzEzNzgwOSI
sInRva2VuVHlwZSI6InVzZXJUb2tlbiIsImV4cCI6MTY4MTM2ODY1NiwiaWF0IjoxNjgxMzU3ODU2LCJlbWFpbCI6In
NoaW55cHJlQHlvcG1haWwuY29tIn0.A96ztLwHF6_tOJyTXUWiO_4GuTn4QbW6t9DI4wHYlEs_hGZR_-
q3xv6vmVky3F_K-F03zP-eGu28D7hbOyviXg",
          "primaryDevice": {
               "accountName": "PrepaidPremium",
               "accountNo": "01C137809",
               "deviceId": "1234300379",
               "email": "shinypre@yopmail.com"
          },
          "lastLoginTime": "2023-04-12 23:18:16",
          "accountId": "11x1165937",
          "firstName": "Shiny",
          "servicetype": "VoLTE",
          "pushNotifications": false,
          "success": "true",
          "response": "User logged in correctly",
          "mollieCustomerId": "cstT_GtIXC0cyAS",
          "basePlan": "CSMART Prepaid Premium Plan",
          "basePackageId": "1101357",
          "simStatus": "Active",
          "location": "Woerden",
          "accountLanguage": "en_us",
          "currencyCode": "EUR"
        }
      }
}
```

Code 401

JSON	Copy

```
Unauthorized request

{
  "response": {
    "success": "false",
    "result": {
      "arguments": {
        "statusCode": "401",
        "errorCode": "4012007002",
        "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &    appId)
not found or invalid!"
      }
    }
  }
```

Code 400

JSON	Copy

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
            "message": "Header 'corelationId' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001004",
            "message": "Header 'destination' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001006",
```

```
            "message": "Header 'source' not present in the request"
        }
    }
}{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'type' for method parameter of type
String"
            }
        }
    }
}
```

Code 500

JSON	Copy

```
Internal Server error
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "500Required request body is missing",
                "errorMessage": " public
java.util.concurrent.CompletableFuture<org.springframework.http.ResponseEntity<com.csmart.m
iddleware.crmservices.common.CrmResponseResult>>
com.csmart.middleware.crmservices.api.customer.CrmCustomerController.customerLoginResource(
com.csmart.middleware.crmservices.api.customer.LoginRequest,java.lang.String,java.lang.Stri
ng,java.lang.String,java.lang.String,java.lang.String,java.lang.String,java.lang.String,jav
a.lang.String,java.lang.String,java.lang.String) throws java.io.IOException"
            }
        }
    }
}
```

Profile Details

Description

This API allows you to view the customer's profile details. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/crm/v1/profile

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	WEB	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	WEB	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	Profile	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory
language	String	Specify **language** based on the country and region.	English, Spanish, etc.	Optional

Sample Response

Code 200

JSON	Copy

```
Success
{    "response": {        "success": "true",        "result": {        "salutationtype": "",
"firstname": "Shiny",            "contact_no": "CONTACT47109",            "phone": "",
"lastname": "MohanPrepaid",          "mobile": "9632269966",        "account_id": "11x1177161",
"homephone": "",          "otherphone": "",        "fax": "",        "birthday": "1990-01-
01",        "email": "shinypre@yopmail.com",        "contact_id": "",          "assistant":
```

```
"",             "secondaryemail": "",             "assistantphone": "",           "assigned_user_id":
"19x102062",            "reference": "",            "notify_owner": "0",            "createdtime":
"2023-02-06 11:22:02",           "modifiedtime": "2023-03-15 09:49:25",           "modifiedby":
"19x100943",           "mailingstreet": "Tjaskermolenlaan",           "otherstreet": "",
"mailingcity": "Woerden",           "othercity": "",           "mailingstate": "",
"otherstate": "",          "mailingzip": "3447GE",           "otherzip": "",
"mailingcountry": "Netherlands",           "othercountry": "",           "mailingpobox": "",
"otherpobox": "",           "description": "",           "isconvertedfromlead": 0,
"middlename": "",           "gender": "",           "ssn": "",           "source": "CRM",
"starred": 0,           "tags": "",           "nickname": "",           "google_search": "",
"cf_3715": "",           "cf_3724": "",           "drivinglicense": "",           "nin": "",
"mailinghouseno": "1",           "mailinghousenoext": "",           "otherhouseno": "",
"otherhousenoext": "",           "passport": "",           "id": "12x1105022",
"profileImage": "",           "accountAddresses": {           "bill_street": "Tjaskermolenlaan",
"ship_street": "Tjaskermolenlaan",           "bill_city": "Woerden",           "ship_city":
"Woerden",           "bill_state": "",           "ship_state": "",
"bill_code": "3447GE",           "ship_code": "3447GE",           "bill_country":
"Netherlands",           "ship_country": "Netherlands",           "bill_pobox": "",
"ship_pobox": "",           "billingHouseNo": "1",           "billingExtensionNo": "",
"platform": "Prepaid"           },           "pushnotifications": "0",           "dnd": 0,
"accountNo": "01C137809",           "two_factor_auth": 0,           "roaming": 0,
"dunningStage": "",           "preferredLanguage": "en_us",           "datacontrol": "Full Access",
"currencycode": "EUR",           "billSettings": {           "receivebillby": "Online and by
post",           "billlanguage": "",           "billitemization": "Fully Itemized",
"vatinvoices": "Do not receive VAT invoices"           },           "paymentSettings": {
"selectpaymentmethod": "Pay By Cash or Cheque",           "selectpaymentfrequency": "Monthly",
"selectpaymentday": "1"           },           "dashboardSettings": {           "usagedetails":
0,           "livechat": 0,           "weather": 0,           "finance": 0,
"calendar": 0,           "news": 0           },           "dashboardInfo": {
"noOfServiceAccounts": ""           },           "communicationSettings": {
"emailOptOut": 1,           "smsOptOut": 0,           "phoneOptIn": 0,
"postMailOptIn": 0           },           "privacySettings": {           "numberMasked": 0,
"hideNumber": 0,           "publishNumber": 0           },           "roamingSettings": {
"blockIncomingCalls": 0,           "dataRoamingCap": 1,           "roamingZone": "Roaming in
Zone 1, 2, 3 and 4"           },           "supplementSettings": {
"adultPremiumCalls": 1,           "infoPremiumCalls": 1,
"outgoingInternationalCalls": 0,           "voiceMail": 1,           "roamingVoiceMt": ""
},           "paymentProfile": {           "iban": "ZZxxvYxxxxwEa"           },
"ceilingInformation": {           "userCeiling": "50",           "operatorCeiling": "100"
},           "simReplacementInProgress": 0,           "myAddress": [],
"securityquestion": "",           "deviceId": "1234300379"           }       }
```

Code 400

JSON   Copy

```
Bad request
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'source' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'destination' not present in the request"    }  }
}
{
```

```
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'operation' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'correlationId' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'serviceProvider' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'srDate' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'token' not present in the request"    }  }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {    "success": "false",    "result": {        "errorCode": "INTERNAL_ERROR",
"message": "Internal server error while processing the request"    }  }
}
```

SIM Information

Description

This API is used to check status of any particular SIM, to determine the status of the SIM, if **Active** or **De-active**. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Get` `/dx-sync/crm/v1/profile/siminfo`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	WEB	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	WEB	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getSIMinfo	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory
language	String	Specify **language** based on the country and region.	English, Spanish, etc.	Optional

Sample Response

Code 200

JSON	Copy

```
Success
{    "response": {         "success": "true",         "result": {             "SIM": "091681139534795",
"PUK": "12345678",         "status": "Active",         "phoneNumber": "1234300379"        }    }
}
```

Code 400

JSON	Copy

```
Bad request
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'source' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'destination' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'operation' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'correlationId' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'serviceProvider' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'srDate' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'token' not present in the request"    }  }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {    "success": "false",    "result": {        "errorCode": "INTERNAL_ERROR",
"message": "Internal server error while processing the request"    }  }
}
```

FAQs

Description

This API gets customer's frequently asked questions, commonly known as **FAQs**. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Get` `/dx-sync/services/faqs`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	WEB	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	WEB	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	FAQs	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory
language	String	Specify **language** based on the country and region.	English, Spanish, etc.	Optional

Sample Response

Code 200

JSON	Copy

```
Success
{    "response": {        "success": "true",         "result": [              {
"question": "Hoe kan ik Csmart bereiken?",               "answer": "Stuur een e-mail naar
support@csmart.com. Je kan ons ook bellen op werkdagen van \n\t\t 10.00 - 17.00 via het nummer 085-
```

```
1057010 of 1200 (gratis voor klanten)",                "category": "",                "isTopQuestion":
"0",                "type": "FAQ",                "id": "978455",                "isArticle": "0"
},            {                "question": "Verkoopt Csmart ook telefoons?",                "answer":
"Op dit moment bieden wij geen telefoons aan in combinatie met onze abonnementen.",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978456",                "isArticle": "0"            },            {                "question":
"Wat kan ik met de Csmart app?",                "answer": "Met de Csmart app kan je snel en eenvoudig
je bundel wijzigen. Stel je mobiele \n\t\t abonnement samen en pas het op elk moment aan. In de Csmart
app check je gemakkelijk jouw facturen,\n\t\t verbruik en persoonlijke gegevens.",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978457",                "isArticle": "0"            },            {                "question":
"Is Csmart Maandelijks opzegbaar?",                "answer": "Je hebt bij Csmart een contract voor een
maand, 1 of 2 jaar. Elk contract heeft een\n\t\t opzegtermijn van 1 maand. Na afloop van je contract
kun je kosteloos opzeggen. Je vindt de einddatum van \n\t\t jouw overeenkomst ook in de Csmart app.",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978458",                "isArticle": "0"            },            {                "question":
"Is Prepaid bellen en mobiel internetten mogelijk bij Csmart?",                "answer": "Csmart biedt
alleen Sim Only abonnementen. Een Sim Only is een mobiel abonnement\n\t\t zonder telefoon met een
looptijd vanaf 1 maand.",                "category": "",                "isTopQuestion": "0",
"type": "FAQ",                "id": "978459",                "isArticle": "0"            },
{                "question": "Kan ik gratis bellen naar Csmart Klantenservice?",
"answer": "Bellen naar onze klantenservice is gratis voor klanten van Csmart via het nummer 1200.",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978460",                "isArticle": "0"            },            {                "question":
"Zit Csmart ook op Social Media?",                "answer": "Ja, Csmart is ook te volgen op Csmart .
Je kan ons vinden op Instagram,\n\t\t Facebook, Twitter en tiktok via: @csmart.",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978461",                "isArticle": "0"            },            {                "question":
"Wat gebeurt er als mijn abonnement afloopt?",                "answer": "Ben je tevreden met je
abonnement en loopt deze af? Dan hoef je niets te doen. In dat geval\r\n\t\t loopt jouw abonnement
maandelijks door tegen dezelfde voorwaarden en tarieven als voorheen.",                "category": "",
"isTopQuestion": "0",                "type": "FAQ",                "id": "978462",
"isArticle": "0"            },            {                "question": "Hebben jullie ook een
nieuwsbrief?",                "answer": "Aanmelden voor onze nieuwsbrief doe je gemakkelijk via
Csmart.com. Wil je je \n\t\t afmelden voor een nieuwsbrief? Klik dan in de e-mail dat je geen
interesse meer hebt of wijzig je \n\t\t privacy instellingen in de Stern Mobile app",
"category": "",                "isTopQuestion": "0",                "type": "FAQ",
"id": "978463",                "isArticle": "0"            },            {                "question":
"Hoe kan ik overstappen naar Csmart?",                "answer": "Overstappen van je huidige provider
naar Csmart is heel eenvoudig via de \n\t\t bestelpagina op onze website. Ook het behouden van je
huidige mobiele nummer is mogelijk.",                "category": "",                "isTopQuestion":
"0",                "type": "FAQ",                "id": "978464",                "isArticle": "0"
}        ]    }
}
```

Code 400

JSON	Copy

```
Bad request
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'source' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'destination' not present in the request"    }  }
```

```
}
{
"response": {    "success": "false",    "result": {         "errorCode": "BAD_REQUEST",
"message": "Header 'operation' not present in the request"     }   }
}
{
"response": {    "success": "false",    "result": {         "errorCode": "BAD_REQUEST",
"message": "Header 'correlationId' not present in the request"     }   }
}
{
"response": {    "success": "false",    "result": {         "errorCode": "BAD_REQUEST",
"message": "Header 'serviceProvider' not present in the request"     }   }
}
{
"response": {    "success": "false",    "result": {         "errorCode": "BAD_REQUEST",
"message": "Header 'srDate' not present in the request"     }   }
}
{
"response": {    "success": "false",    "result": {         "errorCode": "BAD_REQUEST",
"message": "Header 'token' not present in the request"     }   }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {    "success": "false",    "result": {         "errorCode": "INTERNAL_ERROR",
"message": "Internal server error while processing the request"     }   }
}
```

Get Contract

Description

This API gets customer's contract details, that is generated while opting a service. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Get`   `/dx-sync/crm/v1/contract`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	WEB	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	WEB	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getContractHistoryList	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory
language	String	Specify **language** based on the country and region.	English, Spanish, etc.	Optional

Sample Response

Code 200

JSON	Copy

```
Success
{    "response": {        "success": "true",        "result": []    }
}
```

Code 400

JSON	Copy

```
Bad request
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'source' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'destination' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'operation' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'correlationId' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'serviceProvider' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'srDate' not present in the request"    }  }
}
{
"response": {    "success": "false",    "result": {        "errorCode": "BAD_REQUEST",
"message": "Header 'token' not present in the request"    }  }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {    "success": "false",    "result": {        "errorCode": "INTERNAL_ERROR",
"message": "Internal server error while processing the request"    }  }
}
```

Get Picklists

Description

USSD/IVR must utilize this APIs, to access all **Pick Lists**. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Get` `/dx-sync/crm/v1/services`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	3fe03a90-ac6f-4b84-8848-49be95847650	Mandatory
source	String	Provide **source system** as the value.	mApp	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2022-06-10 11:16:57	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getPicklists	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM Services	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{   "response": {      "success": "true",      "result": [          {                "fields":
{              "reasonforterminate": [                  "Not satisfied with network
quality",                "Not satisfied with customer service",
"Subscription too expensive",                "Found another provider",
"Death of the user",              "Other"              ]          },
"dependency": {          "ticketcategories": {              "Request": {
"subcategory": [                  "VAS Request",                      "Auto
Renewal",              "Billing and Payment Request",
"Account Request"                  ],                  "ticketstatus": [
```

```
        "Open",                              "In Progress",                                    "Closed"
    ]                           },                              "__DEFAULT__": {
"subcategory": [                              "Technical Complaint",
"Non- Technical Complaint",                              "Network Issue",
"VAS Request",                              "Auto Renewal",                              "General
Queries",                              "Billing and Payment Request",
"Account Request",                              "Renew",                              "Terminate",
"Add to Fraud",                              "Billing Reversal"                              ],
"ticketstatus": [                              "Open",                              "In Progress",
"Wait for Response",                              "Rejected",
"Closed",                              "Request for Finance Approval",
"Approved",                              "Porting Date Selected",
"Porting Performed",                              "Request for Renew",
"Request for Terminate",                              "Bill WriteOff Succeeded",
"Bill WriteOff Failed",                              "Dunning Initiation Succeeded",
"Dunning Initiation Failed",                              "Request for Sim Swap",
"Suspend Performed",                              "Success"                              ]
},                              "Complaint": {                              "subcategory": [
"Technical Complaint",                              "Non- Technical Complaint"
],                              "ticketstatus": [                              "Open",
"In Progress",                              "Closed"                              ]
},                              "Query": {                              "subcategory": [
""                              ],                              "ticketstatus": [
"Open",                              "In Progress",                              "Closed"
]                              },                              "Request for Vouchers": {
"subcategory": [                              "Billing and Payment Request",
"Account Request"                              ],                              "ticketstatus": [
"Open",                              "Request for Finance Approval"                              ]
},                              "Dealer Complaint": {                              "subcategory": [
"Technical Complaint",                              "Non- Technical Complaint"
],                              "ticketstatus": [                              "Open",
"In Progress",                              "Wait for Response",
"Closed"                              ]                              },                              "Reports": {
"subcategory": [                              "Network Issue",                              "VAS
Request"                              ],                              "ticketstatus": [
"Open",                              "In Progress",                              "Closed"
]                              },                              "Others": {
"subcategory": [                              ""                              ],
"ticketstatus": [                              "Open",                              "In Progress"
]                              },                              "Recycle Device": {
"subcategory": [                              ""                              ],
"ticketstatus": [                              "Open",                              "In Progress",
"Wait for Response",                              "Rejected"                              ]
},                              "Request For PortOut": {                              "ticketstatus": [
"Open",                              "In Progress",                              "Wait for
Response",                              "Rejected",                              "Closed",
"Request for Finance Approval",                              "Approved",
"Porting Date Selected",                              "Porting Performed",
"Request for Renew",                              "Request for Terminate",
"Bill WriteOff Succeeded",                              "Bill WriteOff Failed",
"Dunning Initiation Succeeded",                              "Dunning Initiation Failed",
"Suspend Performed"                              ]                              },
"Request For PortIn": {                              "ticketstatus": [
"Open",                              "In Progress",                              "Wait for
Response",                              "Rejected",                              "Closed",
"Request for Finance Approval",                              "Approved",
"Porting Date Selected",                              "Porting Performed",
"Request for Renew",                              "Request for Terminate",
```

```
"Bill WriteOff Succeeded",                              "Bill WriteOff Failed",
"Dunning Initiation Succeeded",                         "Dunning Initiation Failed",
"Suspend Performed"                        ]                        },
"Contract Renew": {                        "ticketstatus": [
"Open",                        "In Progress",                        "Wait for
Response",                        "Rejected",                        "Closed",
"Request for Finance Approval",                        "Approved",
"Porting Date Selected",                        "Porting Performed",
"Request for Renew",                        "Request for Terminate",
"Bill WriteOff Succeeded",                        "Bill WriteOff Failed",
"Dunning Initiation Succeeded",                        "Dunning Initiation Failed",
"Suspend Performed"                        ]                        },
"Contract Terminate": {                        "ticketstatus": [
"Open",                        "In Progress",                        "Wait for
Response",                        "Rejected",                        "Closed",
"Request for Finance Approval",                        "Approved",
"Porting Date Selected",                        "Porting Performed",
"Request for Renew",                        "Request for Terminate",
"Bill WriteOff Succeeded",                        "Bill WriteOff Failed",
"Dunning Initiation Succeeded",                        "Dunning Initiation Failed",
"Suspend Performed"                        ]                        },
"Dunning": {                        "ticketstatus": [                        "Open",
"In Progress",                        "Wait for Response",
"Rejected",                        "Closed",                        "Request for
Finance Approval",                        "Approved",                        "Porting
Date Selected",                        "Porting Performed",
"Request for Renew",                        "Request for Terminate",
"Bill WriteOff Succeeded",                        "Bill WriteOff Failed",
"Dunning Initiation Succeeded",                        "Dunning Initiation Failed",
"Request for Sim Swap",                        "Suspend Performed"
]                        },                        "Sim Swap Request": {
"ticketstatus": [                        "Open",                        "Rejected",
"Closed",                        "Approved",                        "Sim Swap Process"
]                }                }                }                }                ]                }
}
```

Code 401

JSON	Copy

```
Unauthorized request
{     "response": {        "success": "false",        "result": {        "arguments": {
"statusCode": "401",                "errorCode": "4012007002",                "errorMessage": "token
OR (tokenVerified & customerKey) OR (tenancyId & appId) not found or invalid!"                }        }
}
}
```

Code 400

JSON	Copy

```
Bad request
{     "response": {        "success": "false",        "result": {        "arguments": {
"statusCode": "400",                "errorCode": "BAD_REQUEST",                "errorMessage":
"Missing request header 'correlationId' for method parameter of type String"                }        }
}
}
```

```
{       "response": {          "success": "false",          "result": {          "arguments": {
"statusCode": "400",                "errorCode": "BAD_REQUEST",                "errorMessage":
"Missing request header 'destination' for method parameter of type String"          }          }      }
}
{       "response": {          "success": "false",          "result": {          "arguments": {
"statusCode": "400",                "errorCode": "BAD_REQUEST",                "errorMessage":
"Missing request header 'operation' for method parameter of type String"          }          }      }
}
{       "response": {          "success": "false",          "result": {          "arguments": {
"statusCode": "400",                "errorCode": "BAD_REQUEST",                "errorMessage":
"Missing request header 'source' for method parameter of type String"          }          }      }
}
{       "response": {          "success": "false",          "result": {          "arguments": {
"statusCode": "400",                "errorCode": "BAD_REQUEST",                "errorMessage":
"Missing request header 'srdate' for method parameter of type String"          }          }      }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{       "response": {          "success": "false",          "result": {          "arguments": {
"statusCode": "500",                "errorCode": "INTERNAL_SERVER_ERROR",
"errorMessage": "Unknown operation requested"          }          }      } }
```

Get Account Balance

Description

USSD/IVR should use these APIs to verify customer account/subscription balance via Account No or MSISDN. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/balance?accountNo={accountNo}	
Get	/dx-sync/balance?deviceId={msisdn}	Prefer this method for obtaining account balance via USSD or IVR.

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	9b26c635-01dc-4301-8ec0-d6111696a090	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	1681275247580	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getBalance	Mandatory
destination	String	Provide the **destination,** that is the end target system.	MOM	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{     "response": {        "success": "true",        "result": {            "arguments": {
"BALANCE_GROUPS": [                  {                                "elem": 0,
"BALANCES": [                            {                                    "elem": 978,
"END_T": 0,                     "START_T": 1678645800,
"CREDIT_FLOOR": -9223372036854775808,                      "CREDIT_LIMIT":
```

```
9223372036854775807,                          "RESOURCE_ID": 978,
"TYPE_STR": "Currency Balance",              "CURRENT_BAL": 17.62,
"INFO": "Product description not found",         "AMOUNT_ORIG": "",
"DESCR": "EUR",                        "RESOURCE_ID_ORIG": 0                      },
{                                    "elem": 5000003,              "END_T": 1681324200,
"START_T": 1678645800,                   "CREDIT_FLOOR": -9223372036854775808,
"CREDIT_LIMIT": 0,                      "RESOURCE_ID": 5000003,
"TYPE_STR": "Second",                    "CURRENT_BAL": -12000,
"INFO": "Csmart 200 MIN",                  "AMOUNT_ORIG": -12000,
"DESCR": "Limited_Postpaid_Voice_Bank",          "RESOURCE_ID_ORIG": 5500003
},                        {                "elem": 7000007,
"END_T": 1681324200,                   "START_T": 1678645800,
"CREDIT_FLOOR": -9223372036854775808,           "CREDIT_LIMIT": 0,
"RESOURCE_ID": 7000007,                 "TYPE_STR": "IDD seconds",
"CURRENT_BAL": -6000,                   "INFO": "Csmart IDD 100 MIN",
"AMOUNT_ORIG": -6000,                  "DESCR": "Limited_IDD_Voice_Bank",
"RESOURCE_ID_ORIG": 7700007               },                  {
"elem": 4000003,                    "END_T": 1681324200,
"START_T": 1678645800,                   "CREDIT_FLOOR": -9223372036854775808,
"CREDIT_LIMIT": 0,                     "RESOURCE_ID": 4000003,
"TYPE_STR": "Byte",                    "CURRENT_BAL": -4294967296,
"INFO": "Csmart 4 GB",                   "AMOUNT_ORIG": -4294967296,
"DESCR": "Limited_Postpaid_Data_Bank",          "RESOURCE_ID_ORIG": 4400003
},                        {                "elem": 6000003,
"END_T": 1681324200,                   "START_T": 1678645800,
"CREDIT_FLOOR": -9223372036854775808,           "CREDIT_LIMIT": 0,
"RESOURCE_ID": 6000003,                 "TYPE_STR": "Message",
"CURRENT_BAL": -100,                    "INFO": "Csmart 100 SMS",
"AMOUNT_ORIG": -100,                   "DESCR": "Limited_Postpaid_Sms_Bank",
"RESOURCE_ID_ORIG": 6600003               },                  {
"elem": 4040003,                    "END_T": 1681324200,
"START_T": 1681237800,                   "CREDIT_FLOOR": -9223372036854775808,
"CREDIT_LIMIT": 0,                     "RESOURCE_ID": 4040003,
"TYPE_STR": "Byte",                    "CURRENT_BAL": -6.442450944E9,
"INFO": "1GB_Postpaid_Promo_Grant_EUR_CO",        "AMOUNT_ORIG":
-6.442450944E9,                      "DESCR": "Promo_Postpaid_Data_Bank",
"RESOURCE_ID_ORIG": 4440003               }                   ],
"BAL_GRP_OBJ": "0.0.0.1 /balance_group 37308879 2"           }          ],
"ERROR_NUM": 0,            "POID": "0.0.0.1 /account 37307599 0"        }      }     }
}
```

Code 401

JSON	Copy

```
Unauthorized request
{    "response": {        "success": "false",        "result": {            "errorCode": "4012001002",
"message": "Invalid token / expired."        }     }
}
{    "response": {        "success": "false",        "result": {            "errorCode": "4012001004",
"message": "No orchestration plan fetched from DB"        }     }
}
```

Code 400

```
JSON                                                                    Copy

Bad request
{    "response": {        "success": "false",        "result": {            "errorCode": "4002001001",
"message": "Header 'operation' not present in the request"        }    }

{    "response": {        "success": "false",        "result": {            "errorCode": "4002001003",
"message": "Header 'corelationId' not present in the request"        }    }
}
{    "response": {        "success": "false",        "result": {            "errorCode": "4002001004",
"message": "Header 'destination' not present in the request"        }    }
}    {    "response": {        "success": "false",        "result": {            "errorCode":
"4002001005",            "message": "Header 'srDate' not present in the request"        }    }
}

{    "response": {        "success": "false",        "result": {            "errorCode": "4002001006",
"message": "Header 'source' not present in the request"        }    }
}
{"response":{"success":"false","result":{"arguments":
{"errorCode":"6000006","serailNumber":null,"statusCode":null,"errorMessage":"token or tokenVerified
property missing in header!Please provide valid token "}}}}
```

Code 500

```
JSON                                                                    Copy

Internal server Error
{"response":{"success":"false","result":{"arguments":
{"errorCode":"6000003","serailNumber":null,"statusCode":null,"errorMessage":"BRM Error -Incorrect
value for DEVICE_ID"}}}}
```

Purchase Add-on/Bolton

Description

Use these APIs to buy Add-on/Bolton for existing customers via USSD/IVR in the system, provide passing {key} as email Id or MSISDN. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post	/crm/v1/package/bolton
Post	/dx-sync/package/bolton?key={msisdn}&value={21115202107}

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	App	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	0d0560ea-cfd2-497e-b737-e1cfe45621b3	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	1681275481702	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	Purchase Bolton	Mandatory
destination	String	Provide the **destination,** that is the end target system.	MOM	Mandatory
Token Verified	String	Request value is **Toke Verified**.	Sample	Mandatory

Request Payload

Line Items	Data Type	Description	Mandatory/Optional
packageID	String	Provide the **package ID** as the value.	Mandatory

productGroupID	String	This is the **Record ID** of Product Group, to which the product is added during bundling or packaging. 1) Product Groups are added to Package 2) Products are added to Product Group	Mandatory
productID	String	Provide **record ID** of the product.	Mandatory
price	String	This is only used to override the system's available **price** for the product.	Optional
quatity	String	Provide **Quantity** of the product as the value.	Mandatory
isInventory	String	Flag to indicate if the product type is **Inventory**.	Optional
Payment Info			
Request Items	**Data Type**	**Description**	**Mandatory/Optional**
amount	String	Transaction Amount returned by the Payment Gateway post-payment completion.	Prepaid - Mandatory; Postpaid - Optional.
description	String	Response from the Payment gateway.	Prepaid - Mandatory; Postpaid - Optional.
reasonCode	String	The value is **Custom identifier**; it is used exclusively for reporting purposes.	Prepaid - Mandatory; Postpaid - Optional.
paymentType	String	This refers to the mode of payment; that is Cash / Credit Card / Debit Card / or any other mode of payment identifier.	Prepaid - Mandatory; Postpaid - Optional.
transID	String	Provide **Transaction ID** as value, that is received from the payment gateway.	Prepaid - Mandatory; Postpaid - Optional.

Sample Request

JSON	Copy

```json
    "LineItems": [
        {
            "productGroupId": "967537",
            "productId": "977544",
            "price": "10.00",
            "isInventory": "0",
            "qty": "1",
            "packageId": "967512"
        }
    ],
    "ActivationDate": ""
}
```

Sample Response

Code 200

JSON	Copy

```
Successful purchase
{
    "response": {
        "success": "true",
        "result": {
            "salesOrder": {
                "salesOrderId": "6x1232673",
                "salesOrderNo": "SO80838",
                "grandTotal": 12.8,
                "subTotal": 10,
                "hdnDiscountAmount": "",
                "preTaxTotal": 10,
                "lineItems": [
                    {
                        "productName": "AB_DATA_3",
                        "listPrice": "10.00"
                    }
                ]
            },
            "message": "Your change was sent successfully and is now being processed."
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001004",
            "message": "No orchestration plan fetched from DB"
        }
```

```
        }
    }
```

Code 400

JSON	Copy

```
Bad request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
            "message": "Header 'corelationId' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001004",
            "message": "Header 'destination' not present in the request"
        }
    }
}
  {
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001006",
```

```
            "message": "Header 'source' not present in the request"
        }
    }
}
 Internal server Error
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "5002007000",
                "errorMessage": "Content type 'text/plain' not supported"
            }
        }
    }
}
```

Get Subscribed Package

Description

This API is employed to retrieve customer-subscribed package details from CRM. You can provide either the email ID or MSISDN to fetch the response, using {key} with the corresponding value.

Endpoints

Get	`/dx-sync/package?key={key}&value={value}`
Get	`/dx-sync/package?key={msisdn}&value={21115202107}`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	2cd9ec81-1541-4653-b216-471ff2b7b702	Mandatory
source	String	Provide **source system** as the value.	mApp	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2022-05-30 10:17:49	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getSubscribedPackageDetails	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM Services	Mandatory
type	String	NA	base	NA

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": {
```

```json
        "packages": [
            {
                "packageId": "996553",
                "packageName": "GA_POSTPAID_USD",
                "purchasedDate": "21-10-2022",
                "platform": "Postpaid",
                "planType": "Base Package",
                "productGroups": [
                    {
                        "products": {
                            "id": "996471",
                            "productGroupId": "996549",
                            "name": "SIM_USD_CO",
                            "description": "SIM_USD_CO",
                            "price": "0.00",
                            "discount": false,
                            "mandatory": "yes",
                            "platform": "None",
                            "serviceType": "VOICE",
                            "serviceCode": "",
                            "type": "Product",
                            "eventType": "One-time",
                            "productType": "",
                            "productImage": "",
                            "reviewRating": "",
                            "reviewCount": "0",
                            "isInventory": "1",
                            "paymentFirst": "No",
                            "inventoryAttributes": [
                                "SIM_USD_CO"
                            ],
                            "associated": "true"
                        },
                        "id": "996549",
                        "name": "GA_Postpaid_USD",
                        "template": "Checkbox",
                        "mandatory": "yes",
                        "plantype": "Base Package"
                    },
                    {
                        "products": {
                            "id": "996473",
                            "productGroupId": "996549",
                            "name": "MSISDN_USD_CO",
                            "description": "MSISDN_USD_CO",
                            "price": "0.00",
                            "discount": false,
                            "mandatory": "yes",
                            "platform": "None",
                            "serviceType": "NONE",
                            "serviceCode": "",
```

```
            "type": "Product",
            "eventType": "One-time",
            "productType": "",
            "productImage": "",
            "reviewRating": "",
            "reviewCount": "0",
            "isInventory": "1",
            "paymentFirst": "No",
            "inventoryAttributes": [
                "MSISDN_USD_CO"
            ],
            "associated": "true"
        },
        "id": "996549",
        "name": "GA_Postpaid_USD",
        "template": "Checkbox",
        "mandatory": "yes",
        "plantype": "Base Package"
    },
    {
        "products": {
            "id": "996487",
            "productGroupId": "996549",
            "name": "MRC_USD_CO",
            "description": "MRC_USD_CO",
            "price": "49.00",
            "discount": false,
            "mandatory": "yes",
            "platform": "Postpaid",
            "serviceType": "DATA",
            "serviceCode": "",
            "type": "Product",
            "idd": "0",
            "eventType": "Recurring",
            "productType": "",
            "productImage": "",
            "reviewRating": "",
            "reviewCount": "0",
            "isInventory": "0",
            "paymentFirst": "No",
            "associated": "true"
        },
        "id": "996549",
        "name": "GA_Postpaid_USD",
        "template": "Checkbox",
        "mandatory": "yes",
        "plantype": "Base Package"
    },
    {
        "products": {
            "id": "996519",
```

```
                        "productGroupId": "996549",
                        "name": "300 Mins_MRC_USD_CO",
                        "description": "300 Mins_MRC_USD_CO",
                        "price": "0.00",
                        "discount": false,
                        "mandatory": "yes",
                        "platform": "Postpaid",
                        "serviceType": "VOICE",
                        "serviceCode": "",
                        "type": "Product",
                        "idd": "0",
                        "eventType": "Recurring",
                        "productType": " ",
                        "productImage": "",
                        "reviewRating": "",
                        "reviewCount": "0",
                        "isInventory": "0",
                        "paymentFirst": "No",
                        "associated": "true"
                    },
                    "id": "996549",
                    "name": "GA_Postpaid_USD",
                    "template": "Checkbox",
                    "mandatory": "yes",
                    "plantype": "Base Package"
                },
                {
                    "products": {
                        "id": "996520",
                        "productGroupId": "996549",
                        "name": "30GB_MRC_USD_CO",
                        "description": "30GB_MRC_USD_CO",
                        "price": "0.00",
                        "discount": false,
                        "mandatory": "yes",
                        "platform": "Postpaid",
                        "serviceType": "DATA",
                        "serviceCode": "",
                        "type": "Product",
                        "idd": "0",
                        "eventType": "Recurring",
                        "productType": "",
                        "productImage": "",
                        "reviewRating": "",
                        "reviewCount": "0",
                        "isInventory": "0",
                        "paymentFirst": "No",
                        "associated": "true"
                    },
                    "id": "996549",
                    "name": "GA_Postpaid_USD",
```

```json
                    "template": "Checkbox",
                    "mandatory": "yes",
                    "plantype": "Base Package"
                },
                {

                    "products": {
                        "id": "996522",
                        "productGroupId": "996549",
                        "name": "100 SMS_MRC_USD_CO",
                        "description": "100 SMS_MRC_USD_CO",
                        "price": "0.00",
                        "discount": false,
                        "mandatory": "yes",
                        "platform": "Postpaid",
                        "serviceType": "SMS",
                        "serviceCode": "",
                        "type": "Product",
                        "idd": "0",
                        "eventType": "Recurring",
                        "productType": " ",
                        "productImage": "",
                        "reviewRating": "",
                        "reviewCount": "0",
                        "isInventory": "0",
                        "paymentFirst": "No",
                        "associated": "true"
                    },
                    "id": "996549",
                    "name": "GA_Postpaid_USD",
                    "template": "Checkbox",
                    "mandatory": "yes",
                    "plantype": "Base Package"
                }
            ],
            "location": "",
            "currencyId": "2",
            "currencyCode": "EUR",
            "isFutureSubscription": false
        }
    ],
    "contractStatus": "Termination Requested",
    "contractEndDate": "2024-10-25 15:46:45",
    "tax": 0.490000000000002
        }
    }
}
```

Code 401

```
JSON                                                              Copy

Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001002",
            "message": "Invalid token / expired."
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001004",
            "message": "No orchestration plan fetched from DB"
        }
    }
}
```

Code 400

```
JSON                                                              Copy

 Bad Request
{    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "A JSONObject text must begin with '{' at 1 [character 2
line 1]"
            }
        }
    }
```

```json
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001004",
            "message": "Header 'destination' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}

{    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001006",
            "message": "Header 'source' not present in the request"
        }
    }
}
```

Code 500

JSON	Copy

```json
 Internal Server Error
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "500000",
            "message": "I/O error on POST request for \"\""
        }
    }
```

```
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "500000",
            "message": "JSONObject[\"tokenType\"] not found."
        }
    }
}
```

Balance Transfer

Description

This API facilitates balance transfers between customers, dealer-to-dealer, dealer-to-customer, and customer-to-customer transactions. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post	/dx-sync/balance/transfer

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
appId	String	CDS will Provide the **app ID.**	39cda907-6a33-36fa-a511-6b6cc7102c88	Mandatory
correlationId	String	Provide the **correlationId** as the value.	067aed38-3d33-410a-b129-2e0d7129c542	Mandatory
source	String	Provide the **source** as the value.	Selfcare	Mandatory
srdate	String	Provide the **date** as the value.	1681304233087	Mandatory
operation	String	Provide the **operation** as the value.	CustomerLogin	Mandatory
destination	String	Provide the **destination** as the value.	MOM	Mandatory
tenancyId	String	**tenancyId** will be provided by CDS for connections.	MVNO_CSMARTGA_BAN	Mandatory
type	String	Type of user to be pass	Username	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
email	String	Provide the customer's registered **email ID** as the value.	Mandatory
password	String	Provide **password,** provided at the time of registration.	Mandatory
source	String	Provide **source** system name.	Mandatory

Sample Request

JSON	Copy

```
{
    "targetMsisdn": "244959563013",
```

```
        "senderMsisdn": "244959569938",
        "amount": "1200",
        "appSource": "ussd"
    }
```

Sample Response

Code 200

JSON	Copy

```
Successful balance transfer
{
    "response": {
        "success": "true",
        "result": {
            "arguments": {
                "DEST_OBJ": "0.0.0.1 /account 6422826 7",
                "SOURCE_OBJ": "0.0.0.1 /account 6428368 0",
                "DESCR": "Balance Transfer API executed successfully",
                "ERROR_NUM": 0,
                "POID": "0.0.0.1 /account 6428368 0"
            }
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "Invalid Token"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
```

```
            "statusCode": "401",
            "errorCode": "4012007002",
            "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
          }
        }
      }
    }
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001004",
            "message": "No orchestration plan fetched from DB"
        }
    }
}
```

Code 400

JSON	Copy

```
Bad request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Must provide valid PackageId."
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
            "message": "Header 'corelationId' not present in the request"
```

```
                }
            }
        }
        {
            "response": {
                "success": "false",
                "result": {
                    "errorCode": "4002001004",
                    "message": "Header 'destination' not present in the request"
                }
            }
        }
        {
            "response": {
                "success": "false",
                "result": {
                    "errorCode": "4002001005",
                    "message": "Header 'srDate' not present in the request"
                }
            }
        }


            "response": {
                "success": "false",
                "result": {
                    "errorCode": "4002001006",
                    "message": "Header 'source' not present in the request"
                }
            }
        }
        {
            "response": {
                "success": "false",
                "result": {
                    "arguments": {
                        "statusCode": "400",
                        "errorCode": "BAD_REQUEST",
                        "errorMessage": "Missing request header 'serviceProvider' for method
parameter of type String"
                    }
                }
            }
        }
```

Data Gifting

Description

This API enables customers to transfer data to other customers. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post	/dx-sync/brm/v1/package/customer/datagifting

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	IVR	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	corr1111	Mandatory
source	String	Provide **source system** as the value.	mApp	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	dataGifting	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM Services	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
Sender MSISDN	String	**MSISDN** need to be passed.	Mandatory
Account no.	String	**Account No.** need to be passed.	Mandatory
Package ID	String	**Package ID** need to be passed.	Mandatory
Members	String	**Members** to be passed.	Mandatory

Sample Request

JSON	Copy

```json
{
    "msisdn": "99912321123299",
    "accountNo": "",
    "packageId": "1062952",
    "members": [
        {
            "deviceId": "8988876542121",
            "creditFloor": "4"
        }
    ]
}
```

Sample Response

Code 200

JSON	Copy

Successful data gifting

```json
{
    "response": {
        "success": "true",
        "result": {
            "salesOrder": {
                "salesOrderId": "6x1198001",
                "salesOrderNo": "SO81398",
                "grandTotal": 1.000008,
                "subTotal": 0.8772,
                "hdnDiscountAmount": "",
                "preTaxTotal": 0.8772,
                "lineItems": [
                    {
                        "productName": "Data_Sharing_EUR_CO",
                        "listPrice": "0.88"
                    }
                ],
                "dataSharingInfo": [
                    {
                        "accountNo": "01C135088",
                        "creditFloor": "4 GBGB"
                    }
                ]
            },
            "message": "Your change was sent successfully and is now being processed."
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001002",
            "message": "Invalid token / expired."
        }
    }
}
```

Code 400

JSON	Copy

```
Bad request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
            "message": "Header 'corelationId' not present in the request"
        }
    }
}
```

```json
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001004",
            "message": "Header 'destination' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001006",
            "message": "Header 'source' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'serviceProvider' for method
parameter of type String"
            }
        }
    }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
    "response": {
        "success": "false",
```

```json
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "500JSON parse error",
                "errorMessage": " No content to map due to end-of-input; nested exception
is com.fasterxml.jackson.databind.exc.MismatchedInputException"
            }
        }
    }
}
```

Data Sharing

Description

This API allows customers to transfer data to other customers. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Post` `/dx-sync/crm/v1/package/customer/datasharing`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	VSR	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	corr1111	Mandatory
source	String	Provide **source system** as the value.	mApp	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	20180904120972	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	customerPurchaseAddon	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM Services	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
MSISDN	String	**MSISDN** need to be passed.	Mandatory
Account no.	String	**Account No.** need to be passed.	Mandatory
Package ID	String	A Valid **Package ID** need to be passed.	Mandatory

Sample Request

JSON	Copy
{	

```json
    "msisdn": "99912321123299",
    "accountNo": "",
    "packageId": "1062952",
    "members": [
        {
            "deviceId": "8988876542121",
            "creditFloor": "4"
        }
    ]
}
```

Sample Response

Code 200

JSON	Copy

```json
Success
{
    "response": {
        "success": "true",
        "result": {
            "salesOrder": {
                "salesOrderId": "6x1197346",
                "salesOrderNo": "SO81341",
                "grandTotal": 1.000008,
                "subTotal": 0.8772,
                "hdnDiscountAmount": "",
                "preTaxTotal": 0.8772,
                "lineItems": [
                    {
                        "productName": "Data_Sharing_EUR_CO",
                        "listPrice": "0.88"
                    }
                ],
                "dataSharingInfo": [
                    {
                        "accountNo": "01C135088",
                        "creditFloor": "4 GBGB"
                    }
                ]
            },
            "message": "Your change was sent successfully and is now being processed."
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001004",
            "message": "No orchestration plan fetched from DB"
        }
    }
}
```

Code 400

JSON	Copy

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
            "message": "Header 'corelationId' not present in the request"
        }
    }
}
{
    "response": {
```

```
            "success": "false",
            "result": {
                "errorCode": "4002001004",
                "message": "Header 'destination' not present in the request"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'serviceProvider' for method
parameter of type String"
            }
        }
    }
}
```

Code 500

JSON	Copy

```
 Internal Server Error
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "500JSON parse error",
                "errorMessage": " Unexpected character ('\"' (code 34))"
            }
        }
    }
}
{
    "response": {
        "success": "false",
        "result": {
```

```json
            "arguments": {
                "statusCode": "500",
                "errorCode": "500JSON parse error",
                "errorMessage": " No content to map due to end-of-input; nested exception
is com.fasterxml.jackson.databind.exc.MismatchedInputException"
            }
        }
    }
}
```

Get Package Details

Description

This API supplies a comprehensive list of package details based on the location. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/crm/v1/package /{location}
Get	/dx-sync/crm/v1/package/United Kingdom

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	cor1	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getPackageDetails	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": {
            "Packages": [
```

```
                    {
                            "packageid": "1410153",
                            "name": "Louca SIM",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "0"
                    },
                    {

                            "packageid": "1410456",
                            "name": "Unido Plan",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "1"
                    },
                    {

                            "packageid": "1410458",
                            "name": "Alcancar Plan",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "1"
                    },
                    {

                            "packageid": "1410461",
                            "name": "Data SIM",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "1"
                    },
                    {

                            "packageid": "1410464",
                            "name": "Business Plan",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "1"
                    },
                    {

                            "packageid": "1410467",
                            "name": "Enterprise 45",
                            "description": "",
                            "platform": "Prepaid",
                            "plantype": "Base Package",
                            "firstusage_flag": "1"
                    },
                    {

                            "packageid": "1410470",
                            "name": "Enterprise 70",
```

```
                    "description": "",
                    "platform": "Prepaid",
                    "plantype": "Base Package",
                    "firstusage_flag": "1"
            },
            {

                    "packageid": "1410517",
                    "name": "Monthly minutes bundle standard",
                    "description": "",
                    "platform": "Prepaid",
                    "plantype": "Addon Package",
                    "firstusage_flag": "1"
            },
            {

                    "packageid": "1410518",
                    "name": "Monthly 1GB",
                    "description": "",
                    "platform": "Prepaid",
                    "plantype": "Addon Package",
                    "firstusage_flag": "1"
            },
            {

                    "packageid": "1410519",
                    "name": "Weekly SMS Bundle",
                    "description": "",
                    "platform": "Prepaid",
                    "plantype": "Addon Package",
                    "firstusage_flag": "1"
            }
        ]
    }
  }
}
```

Code 401

JSON	Copy

```
Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
```

```
    }
```

Code 400

| JSON | Copy |

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'correlationid' for method
parameter of type String"
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'source' for method parameter of
type String"
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'srdate' for method parameter of
type String"
            }
        }
    }
}


{
```

```
        "response": {
            "success": "false",
            "result": {
                "arguments": {
                    "statusCode": "400",
                    "errorCode": "BAD_REQUEST",
                    "errorMessage": "Missing request header 'operation' for method parameter of
type String"
                }
            }
        }
    }

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'destination' for method parameter
of type String"
            }
        }
    }
}
```

Voucher Redemption

Description

These APIs are used for purchasing vouchers for existing customers in the system. You can use the {key} parameter to pass either an email ID or an MSISDN along with its respective value. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post	/dx-sync/redeem/voucher?key={key}&value={value}
Post	/dx-sync/redeem/voucher?key={msisdn}&value={21115202107}

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	KYC	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	IVR	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	redeemVoucher	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
Voucher Code	String	**Voucher Codes** need to be passed.	Mandatory
Voucher Pin	String	**Voucher Pin** need to be passed.	Mandatory

Sample Request

JSON	Copy

```json
{
    "voucherCode": "June_07JK68#_",
    "voucherPin":"K54-"
}
```

Sample Response

Code 200

JSON	Copy

```
Success
{
  "response": {
    "success": "true",
    "result": {
      "message": "Voucher redeemed successfully!"
    }
  }
}
```

JSON	Copy

```
Failed due to invalid Email Id.
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "INVALID_CONTACT: Email address not associated with any
contact"
            }
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Request
{
    "response": {
```

```
            "success": "false",
            "result": {
                "arguments": {
                    "statusCode": "400",
                    "errorCode": "BAD_REQUEST",
                    " errorMessage ": "Header 'source' not present in the request"
                }
            }
        }
    }


    {
        "response": {
        "success": "false",
        "result": {
            "errorCode": "INVALID_SOURCE_OPERATION",
            "message": "Unauthorized partner source/operation"
            }
        }
    }


    {
        "response": {
            "success": "false",
            "result": {
                "arguments": {
                    "statusCode": "401",
                    "errorCode": "4012007002",
                    "errorMessage": "Invalid Token"
                }
            }
        }
    }
```

Code 400

JSON	Copy

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'correlationId' for method
parameter of type String"
            }
        }
    }
```

```
    }

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'operation' for method parameter of
type String"
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'destination' for method parameter
of type String"
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'srdate' for method parameter of
type String"
            }
        }
    }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
    "response": {
```

```json
            "success": "false",
            "result": {
                "arguments": {
                    "statusCode": "500",
                    "errorCode": "INTERNAL_SERVER_ERROR",
                    "errorMessage": "Too many attempts,please after sometime"
                }
            }
        }
}


{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "5002007000",
                "errorMessage": "Content type 'text/plain' not supported"
            }
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "INTERNAL_SERVER_ERROR",
                "errorMessage": "Voucher with the given code and pin doesn't exist."
            }
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "INTERNAL_SERVER_ERROR",
                "errorMessage": "Unknown operation requested"
            }
        }
    }
}

{
```

```
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "INTERNAL_SERVER_ERROR",
                "errorMessage": "Please provide voucher pin."
            }
        }
    }
}
```

User Login

Description

This API facilitates validation of user login for the Dealer App within the CRM system. The required **Endpoints** and **Parameters** are described below.

Endpoints

`Post` `/dx-sync/crm/v1/login`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	KYC	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	KYC	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	UserLogin	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
Username	String	**Existing User** need to be passed.	Mandatory
Password	String	**Password** need to be passed.	Mandatory

Sample Request

JSON	Copy
{	

```
        "username": " 321211",
        "password": "321211"
}
```

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": {
            "sessionName": "af4778b614d66c4309cf",
            "userId": "19x101357",
            "userInfo": {
                "first_name": "SubDealer",
                "last_name": "LastName",
                "phone_mobile": "+1 2044000010",
                "email": "linda@yopmail.com"
            },
            "dealerInfo": {
                "dealerno": "DLR_UAT313",
                "dealer_name": "Sub Dealer",
                "dealer_type": "Sub Dealer",
                "email": "linda@yopmail.com",
                "mobile": "+1 2044000010",
                "assigned_user_id": "19x101358",
                "parentdealer": "50x1410802",
                "dealer_rating": "Normal",
                "dealerportaluser": "off",
                "mailingstreet": "Contact Street Address",
                "otherstreet": "Contact Street Address",
                "mailingcity": "Ambriz",
                "othercity": "Ambriz",
                "mailingstate": "Cuanza Norte",
                "otherstate": "Cabinda",
                "mailingzip": "",
                "otherzip": "",
                "mailingpobox": "",
                "otherpobox": "",
                "mailingcountry": "Angola",
                "othercountry": "Angola",
                "username": "552230",
                "userid": "19x101357",
                "contact_id": "12x1409715",
                "dealerstatus": "Active",
```

```
                "credit_limit": "0.00",
                "etopup_msisdn": "12345678975",
                "etopup_pin": "",
                "id": "50x1410762",
                "label": "Sub Dealer"
            }
        }
    }
}
```

JSON	Copy

```
User Login Failed due to Wrong Password
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Incorrect Username/Password"
            }
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'source' not present in the request"
        }
    }
}

{
    "response": {
    "success": "false",
    "result": {
        "errorCode": "INVALID_SOURCE_OPERATION",
        "message": "Unauthorized partner source/operation"
        }
    }
}
```

Code 400

JSON	Copy

```json
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'source' not present in the request"
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'destination' not present in the request"
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
   "response": {
   "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'correlationId' not present in the request"
      }
    }
  }
{
    "response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'serviceProvider' not present in the request"
    }
```

```
      }
    }
{
    "response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'srDate' not present in the request"
    }
  }
 }
{
    "response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'token' not present in the request"
    }
  }
 }
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "INTERNAL_ERROR",
        "message": "Internal server error while processing the request"
    }
  }
 }
```

Get Package Locations

Description

This API facilitates validation of user login for the Dealer App within the CRM system. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	`/dx-sync/crm/v1/package/{location}`

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	USSD	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	USSD	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	packageLocations	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": [
```

```
            "United Kingdom",
            "Netherlands",
            "Texas",
            "Angola"
        ]
    }
}
```

Code 400

JSON	Copy

```
Bad Request
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'source' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'destination' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'operation' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'correlationId' not present in the request"
    }
  }
}
{
"response": {
```

```
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'serviceProvider' not present in the request"
        }
    }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'srDate' not present in the request"
    }
}
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'token' not present in the request"
    }
}
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "INTERNAL_ERROR",
        "message": "Internal server error while processing the request"
    }
}
}
```

Get Product Group

Description

This API is used to furnish product group details corresponding to the package ID associated with the location. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/v1/package/{location}?{key}={value}&{key}={value}
Get	/dx-sync/crm/v1/package/Netherlands? packageid=9675159790&serviceType=sms

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	cor1111	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	20180904120972	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getProductGroups	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CrmServices	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": []
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4012001004",
            "message": "No orchestration plan fetched from DB"
        }
    }
}
```

Code 400

JSON	Copy

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001001",
            "message": "Header 'operation' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001003",
```

```json
            "message": "Header 'corelationId' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001004",
            "message": "Header 'destination' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001005",
            "message": "Header 'srDate' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "4002001006",
            "message": "Header 'source' not present in the request"
        }
    }
}
```

Code 500

JSON	Copy

```json
Internal Server Error
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "errorCode": "6000003",
                "errorMessage": "BRM Error -ERR_CM_ADDRESS_LOOKUP_FAILED"
            }
        }
    }
}
```

Customer Balance Transfer

Description

This API facilitates the transfer of customer balances to CRM services. The required **Endpoints** and **Parameters** are described below.

Endpoints

Post	/dx-sync/brm/v1/customer/balance/transfer

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	USSD	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	USSD	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	customerBalanceTransfer	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CRM	Mandatory

Request Payload

Request Items	Data Type	Description	Mandatory/Optional
Target MSISDN	String	**Target MSISDN** need to be passed.	Mandatory
Sender MSISDN	String	**Sender MSISDN** need to be passed.	Mandatory
Amount	String	**Amount** need to be passed.	Mandatory
App Source	String	**App Source** need to be passed.	Mandatory

Sample Request

JSON	Copy

```json
{
    "targetMsisdn": "511120228",
    "senderMsisdn": "511120221",
    "amount": "200",
    "appSource": "USSD"
}
```

Sample Response

Code 200

JSON	Copy

```
Successfully Activated
{
  "response": {
    "success": "true",
    "result": {
      "success": true,
      "record": "79x1587161",
      "message": "Submitted successfully"
    }
  }
}
```

JSON	Copy

```
Failed Due To Wrong Target MSISDN
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "UNKNOWN_ACCOUNT:Invalid Account"
            }
        }
    }
}
```

Code 401

JSON	Copy

```
Unauthorized Request
{
    "response": {
        "success": "false",
```

```json
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'source' not present in the request"
        }
    }
}

{
    "response": {
    "success": "false",
    "result": {
        "errorCode": "INVALID_SOURCE_OPERATION",
        "message": "Unauthorized partner source/operation"
    }
  }
}
```

Code 400

JSON	Copy

```json
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'source' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'destination' not present in the request"
        }
    }
}

{
    "response": {
        "success": "false",
        "result": {
            "errorCode": "BAD_REQUEST",
            "message": "Header 'operation' not present in the request"
        }
    }
}
```

```json
{
    "response": {
     "success": "false",
      "result": {
          "errorCode": "BAD_REQUEST",
          "message": "Header 'correlationId' not present in the request"
      }
    }
  }
{
      "response": {
     "success": "false",
      "result": {
          "errorCode": "BAD_REQUEST",
          "message": "Header 'serviceProvider' not present in the request"
      }
    }
  }
{
      "response": {
     "success": "false",
      "result": {
          "errorCode": "BAD_REQUEST",
          "message": "Header 'srDate' not present in the request"
      }
    }
  }
{
      "response": {
     "success": "false",
      "result": {
          "errorCode": "BAD_REQUEST",
          "message": "Header 'token' not present in the request"
      }
    }
  }
```

Code 500

JSON	Copy

```
Internal Server Error
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "INTERNAL_ERROR",
        "message": "Internal server error while processing the request"
    }
  }
```

```
}
```

Page: 81

Get Countries By Zone

Description

This API is employed to furnish product group details based on the **package ID** linked to the location. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/crm/v1/profile/getcountriesbyzone

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	101	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time).	10102000	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	getCountriesByZone	Mandatory
destination	String	Provide the **destination,** that is the end target system.	CrmServices	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{
    "response": {
        "success": "true",
        "result": [
            {
                "name": "Zone 1",
```

```json
        "country": [
            "Austria",
            "Belgium",
            "Bulgaria",
            "Croatia",
            "Cyprus",
            "Czech Republic",
            "Denmark",
            "Estonia",
            "Finland",
            "France",
            "Germany",
            "Greece",
            "Hungary",
            "Iceland",
            "Ireland",
            "Italy",
            "Latvia",
            "Liechtenstein",
            "Lithuania",
            "Luxembourg",
            "Malta",
            "Monaco",
            "Netherlands",
            "Norway",
            "Poland",
            "Portugal",
            "Romania",
            "Slovakia",
            "Slovenia",
            "Spain",
            "Sweden"
        ]
    },
    {
        "name": "Zone 2",
        "country": [
            "Albania",
            "French Guiana",
            "French Polynesia",
            "Switzerland",
            "United Kingdom"
        ]
    },
    {
        "name": "Zone 3",
        "country": [
            "Afghanistan",
            "American Samoa",
            "Andorra",
            "Anguilla",
```

```
                        "Antigua and Barbuda",
                        "Argentina",
                        "Armenia",
                        "Aruba",
                        "Australia",
                        "Azerbaijan",
                        "Bahamas",
                        "Bahrain",
                        "Bangladesh",
                        "Barbados",
                        "Belarus",
                        "Bhutan",
                        "Bolivia, The Plurinational State of",
                        "Bosnia and Herzegovina",
                        "Botswana",
                        "Brazil",
                        "British Virgin Islands",
                        "Brunei",
                        "Burkina Faso",
                        "Cambodia",
                        "Cameroon",
                        "Canada",
                        "Cayman Islands",
                        "Central African Republic",
                        "Chad",
                        "Chile",
                        "China",
                        "Colombia",
                        "Costa Rica",
                        "Dominica",
                        "Dominican Republic",
                        "Ecuador",
                        "Egypt",
                        "El Salvador",
                        "Equatorial Guinea",
                        "Faroe Islands",
                        "Fiji",
                        "Gabon",
                        "Georgia",
                        "Ghana",
                        "Gibraltar",
                        "Grenada",
                        "Guadeloupe & Martinique",
                        "Guatemala",
                        "Guinea",
                        "Guinea-Bissau",
                        "Guyana",
                        "Haiti",
                        "Honduras",
                        "Hong Kong",
                        "India",
```

```
                        "Indonesia",
                        "Israel",
                        "Ivory Coast",
                        "Jamaica",
                        "Japan",
                        "Jordan",
                        "Kazakhstan",
                        "Kenya",
                        "Kiribati",
                        "Kuwait",
                        "Kyrgyzstan",
                        "Laos",
                        "Lesotho",
                        "Liberia",
                        "Macao",
                        "Madagascar",
                        "Malawi",
                        "Malaysia",
                        "Mali",
                        "Mauritius",
                        "Mexico",
                        "Moldova",
                        "Mongolia",
                        "Montenegro",
                        "Montserrat",
                        "Morocco",
                        "Mozambique",
                        "Myanmar",
                        "Netherlands Antilles",
                        "New Zealand",
                        "Nicaragua",
                        "Niger",
                        "Nigeria",
                        "North Macedonia",
                        "Oman",
                        "Pakistan",
                        "Panama",
                        "Papua New Guinea",
                        "Paraguay",
                        "Peru",
                        "Philippines",
                        "Puerto Rico",
                        "Republic of the Congo",
                        "Réunion",
                        "Russia",
                        "Rwanda",
                        "Saint Kitts and Nevis",
                        "Saint Lucia",
                        "Saint Vincent and the Grenadines",
                        "Samoa",
                        "Saudi Arabia",
```

```
                "Senegal",
                "Serbia",
                "Sierra Leone",
                "Singapore",
                "Solomon Islands",
                "South Africa",
                "South Korea",
                "South Sudan",
                "Sri Lanka",
                "State of Palestine",
                "Suriname",
                "Swaziland",
                "Taiwan",
                "Tanzania",
                "Thailand",
                "Togo",
                "Tonga",
                "Trinidad and Tobago",
                "Turkey",
                "Turks and Caicos Islands",
                "Uganda",
                "Ukraine",
                "United Arab Emirates",
                "United States of America",
                "Uruguay",
                "Uzbekistan",
                "Vanuatu",
                "Venezuela",
                "Vietnam",
                "Yemen",
                "Zambia"
            ]
        },
        {
            "name": "Zone 4",
            "country": [
                "Algeria",
                "Angola",
                "Benin",
                "Bermuda",
                "Cape Verde",
                "Cook Islands",
                "Democratic Republic of the Congo",
                "Gambia",
                "Greenland",
                "Iran",
                "Iraq",
                "Kosovo",
                "Lebanon",
                "Libya",
                "Mauritania",
```

```
                              "Namibia",
                              "Nepal",
                              "New Caledonia",
                              "Seychelles",
                              "Tajikistan",
                              "Timor-Leste",
                              "Tunisia",
                              "Zimbabwe"
                    ]
                }
            ]
        }
}
```

Code 401

JSON	Copy

```
Unauthorized Access
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "401",
                "errorCode": "4012007002",
                "errorMessage": "token OR (tokenVerified & customerKey) OR (tenancyId &
appId) not found or invalid!"
            }
        }
    }
}
```

Code 400

JSON	Copy

```
Bad Request
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'srDate' for method parameter of
type String"
            }
        }
    }
}
```

```json
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'correlationid' for method parameter of type String"
            }
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'source' for method parameter of type String"
            }
        }
    }
}


{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'operation' for method parameter of type String"
            }
        }
    }
}


{
    "response": {
        "success": "false",
```

```
        "result": {
            "arguments": {
                "statusCode": "400",
                "errorCode": "BAD_REQUEST",
                "errorMessage": "Missing request header 'destination' for method parameter
of type String"
            }
        }
    }
}
```

Code 500

JSON	Copy

```
Internal Server Error
{
    "response": {
        "success": "false",
        "result": {
            "arguments": {
                "statusCode": "500",
                "errorCode": "INTERNAL_SERVER_ERROR",
                "errorMessage": "Unknown operation requested"
            }
        }
    }
}
```

Get Bank Details

Description

This API should be used to fetch the customer's bank details. The required **Endpoints** and **Parameters** are described below.

Endpoints

Get	/dx-sync/mollie/customer/idealbanks

Parameters

Header Parameters

Header Key	Data Type	Description	Expected/Example Value	Mandatory/Optional
token	String	**Token** will be provided by CDS; to establish connection.	Encrypted JWT Token	Mandatory
serviceProvider	String	Service providing system. Either source/middleware.	WEB	Mandatory
correlationId	String	**correlationId** is an unique, random value for e2e tracking, starting from the moment the API request is initiated until the response is received.	12131313141419	Mandatory
source	String	Provide **source system** as the value.	Selfcare	Mandatory
srdate	String	Requested value is the **timestamp** (Date & Time)**.**	2020-09-09T17:43:17Z	Mandatory
operation	String	Action or operation for requesting CRUD operations in the End Target System.	idealbanks	Mandatory
destination	String	Provide the **destination,** that is the end target system.	MOM	Mandatory

Sample Response

Code 200

JSON	Copy

```
Success
{
    "status": "success",
    "result": [
        {
            "resource": "issuer",
```

```
            "id": "ideal_RBRBNL21",
            "name": "Regiobank",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_ABNANL2A",
            "name": "ABN AMRO",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_SNSBNL2A",
            "name": "SNS Bank",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_BUNQNL2A",
            "name": "bunq",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_KNABNL2H",
            "name": "Knab",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_INGBNL2A",
            "name": "ING",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_FVLBNL22",
            "name": "Van Lanschot",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_TRIONL2U",
            "name": "Triodos",
            "image": null
        },
        {

            "resource": "issuer",
            "id": "ideal_ASNBNL21",
            "name": "ASN Bank",
            "image": null
```

```json
        },
        {
            "resource": "issuer",
            "id": "ideal_RABONL2U",
            "name": "Rabobank",
            "image": null
        }
    ]
}
```

Code 400

JSON	Copy

```json
Bad Request
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'source' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'destination' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'operation' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'correlationId' not present in the request"
    }
  }
}
```

```
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'srDate' not present in the request"
    }
  }
}
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "BAD_REQUEST",
        "message": "Header 'token' not present in the request"
    }
  }
}
```

Code 500

JSON	Copy

```
 Internal Server Error
{
"response": {
    "success": "false",
    "result": {
        "errorCode": "INTERNAL_ERROR",
        "message": "Internal server error while processing the request"
    }
  }
}
```