Charging API

CaaS - Charging as a Service API allows the service provider to perform query balance and charge a specific amount from the end user.

P.S - It is a must to use a pre-defined specific amount to charge from the end user, which should also be communicated to the end user prior to the registration.

In this documentation, following services offered by the API are found.

- Query Balance
- Direct debit

Query Balance

This service provides the remaining balance amount of a desired user with other related information of the user account.

This service is still not availabe under Ideamart by Smart for Smart Axiata service providers

URL

```
`https://api.ideamart.io/caas/balance/query`
```

Content Type

```
`application/json`
```

Method

```
`POST`
```

Request

Sample request of balance query is below.

```
```{
"applicationId":"APP_000018",
"password":"95904999aa8edb0c038b3295fdd271de",
"subscriberId":"************"
```

}```

Response

Sample response of balance query is below.

```
```{
"chargeableBalance":"300.0",
"statusCode":"S1000",
"statusDetail":"Success",
"accountStatus":"Active",
"accountType":"Pre Paid"
```

}```

More information on Balance Query service

Following are all the request parameters of the balance query service.

Parameter Type	Description	Type	Mandatory/Optional
applicationId	Used to identify the application. This is a unique identifier generated while provisioning an application.	String	Mandatory
password	Used to authenticate the application originated message against the service providers credentials. Encoded, single value	String	Mandatory
	This can be the MSISDN or the Username of the subscriber whose account balance is		

Parameter	Description	Type	Mandatory/Optional
subscriberId	being queried	String	Mandatory
accountId	The account of the payment instrument. Only a single value can be sent per request	String	Optional
currency	The currency of the charged amount. Only a single value is allowed, and must be in 'LKR' since service is only available for Dialog, Airtel and Hutch.	String	Optional

Below is a comprehensive sample of the balance query request.

```
```{
"applicationId":"APP_000018",
"password":"95904999aa8edb0c038b3295fdd271de",
"subscriberId":"94776351232",
"accountId":"12345",
"currency":"LKR"
```

}```

Following are all the response parameters of balance query service.

Parameter	Description	Type	M/O
accountType	Account type of the subscriber id. (Prepaid/Postpaid for GSM domain)	String	M
accountStatus	Account status of the subscriber ID	String	M
statusCode	Status of the operation. Only a single set of elements can be sent per request.	String	M
statusDetail	The textual description of the operation's status.	String	M
chargeableBalance	Available chargeable balance of the subscriber.Refers to either remaining account balance (prepaid user) or the difference between credit limit and outstanding bill (postpaid user).	String	M

Below is a comprehensive sample for the balance query response.

```
```{
```

"chargeableBalance":"300.0", "statusCode":"S1000", "statusDetail":"Success", "accountStatus":"Active", "accountType":"Pre Paid"
}```

Direct Debit

This is used to charge a specific amount from the subscriber's account for the service provided. This amount has to be communicated to the user prior to subscription.

URL

```
`https://api.ideamart.io/caas/direct/debit`
```

Content Type

```
`application/json`
```

Method

```
`POST`
```

Request

Following is a sample request for direct debit service.

```
                  ```{
"applicationId":"APP_000017",
"password":"95904999aa8edb0c038b3295fdd271de",
"externalTrxId":"123456789012345678901233456789012",
"subscriberId":"tel:************",
"accountId":"123456",
"currency":"USD",
"amount":"1"
```

}```

Response

Following is a sample response for direct debit service.

```
            ```
```

{ "statusCode":"S1000", "timeStamp":"2012-07-30T12:48:10-0400", "shortDescription":"Long Description", "statusDetail":"Success",
"externalTrxId":"123456789012345678901233456789012", "longDescription":"short Description", "internalTrxId":"321"
}```

More information on Direct Debit

Following are all the request parameters of the direct debit service.

Parameter	Description	Type	M/O
applicationId	Used to identify the application. This is a unique identifier generated when provisioning an application.	String	M
password	Used to authenticate the application originated message against the service providers credentials.	String	M
externalTrxId	This is the transaction ID generated by the application to map the request with the response.	String	M
subscriberId	This is the MSISDN of the subscriber to be charged. This is a unique identifier. The hash key of the charged user	String	M
accountId	The account of the payment instrument.	String	O
amount	Amount to be reserved for charging.	String	M
currency	The currency of the amount. Optional, but if not 'LKR', must be specified which currency it is.	String	O
paymentInstrument	The account which the debit should be performed on.	String	M

Below is a comprehensive sample for the direct debit request.

```
                  ```{
"applicationId":"APP_000017",
"password":"95904999aa8edb0c038b3295fdd271de",
"externalTrxId":"123456789012345678901233456789012",
"subscriberId":"94776351232",
"accountId":"123456",
"paymentInstrument":"MobileAccount"
"currency":"USD",
"amount":"1"
```

}```

Following are all the response parameters of the direct debit service.

Parameter	Description	Type	M/O
externalTrxId	The transaction ID generated by the application to map the request with the response.	String	M
internalTrxId	Internal Transaction ID generated by the Payment Gateway for the transaction. This is unique for a transaction	String	M

Parameter	Description	Type	M/O
referenceId	Unique number generated by the system for the payment request. This is required to be entered in the external charging system/menu.	3 digits	M
timeStamp	System date and time of success or failed transaction.	Date/Time string (ISO-8601)	
statusCode	Status of the operation.	String	M
statusDetail	The textual description of the operation status	String	M

Below is a comprehensive sample for the direct debit response.

```
            ```{
"statusCode":"S1000",
"timeStamp":"2012-07-30T12:48:10-0400",
"shortDescription":"short Description",
"statusDetail":"Success",
"externalTrxId":"123456789012345678901234567890123456789012",
"longDescription":"Long Description",
"internalTrxId":"321"


}```
```