XPortal - Partner API
Technical Documentation

Document Version 1.1

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OVERVIEW

This document serves as a guide in using XPortal - PARTNER API. API definition, diagram flows, status code and sample scenarios are provided to easily understand its usage.

TERMINOLOGIES

Term	Definition
URL	URL of the server where the API resides
Key	Client account API key accessing to Partner API
Msisdn	Mobile number of subscriber to charge or send messages
Keyword	Defined by Yondu in terms of scenario and charging
Rrn	Transaction id or Reference number of the client
Message	Message to be sent to subscriber
Timestamp	Current date and time of transaction
Telco	Subscriber type if Globe or TM
Status	Charging status if failed or success
Code	Response code of transaction

THE API

Yondu Will Provide This For You

<u>XPortal - Partner API</u>
API URL:
{URL}?key={key}&msisdn={msisdn}&keyword={keyword}&message={message}&rrn={rrn}

}

Description: To send SMS and charge the subscriber based from keyword and message
Method: GET
Required Parameters: key, msisdn, keyword, rrn
Parameters Definition:
> **URL**: Endpoint URL that will be provided by Yondu
> **key**: Your account API key that will be provided by Yondu
> **msisdn**: Mobile number of the subscriber
> **keyword**: Defined keyword for charging that will be provided by Yondu
> **message**: Your URL encoded message to be send to subscriber
> **rrn**: Unique id for every transaction coming from the client.

Sample Request:
<u>http://xxx.xxx.xx.xxx/?key=youraccountkey&msisdn=9171234567&keyword=defined_keyword_here&message=the%20url%20encoded%20message&rrn=abcd1234</u>

WHAT WE NEED FROM YOU

1. <u>YOUR IP ADDRESS</u>

   This will serve as security measure to whitelist your IP address connecting to our server.

2. <u>MO API (Optional)</u>

   Where we will forward the transaction initiated by subscriber to our system.

   Required Method: GET
   Parameters We Will Send: telco, msisdn, message
   Parameters Definition:
   > **telco**: Subscriber type if Globe or TM
   > **msisdn**: Mobile number of the subscriber
   > **message**: Subscriber's initiated message

rrn: Unique id for every transaction coming from Yondu

Sample Request:

*http://xxx.xxx.xx.xxx/?*telco=globe&msisdn=9171234567&message=sample%20keyword&rrn=abcd1234

3. STATUS API (Optional)

Where we will notify you the charging status if successful or not.

Required Method: GET
Parameters We Will Send: telco, msisdn, status, code, timestamp, rrn
Parameters Definition:

    telco: Subscriber type if Globe or TM

    msisdn: Mobile number of the subscriber

    status: Transaction status if success or failed

    code: Status code of the transaction

    rrn: Unique id for every transaction coming from Yondu

    timestamp: Unix time where we send the Delivery Notification

Sample Request:

*http://xxx.xxx.xx.xxx/?*telco=globe&msisdn=9171234567&status=success&code=200&rrn=abcd1234&timestamp=1486527412

XPORTAL - PARTNER API RESPONSE CODES

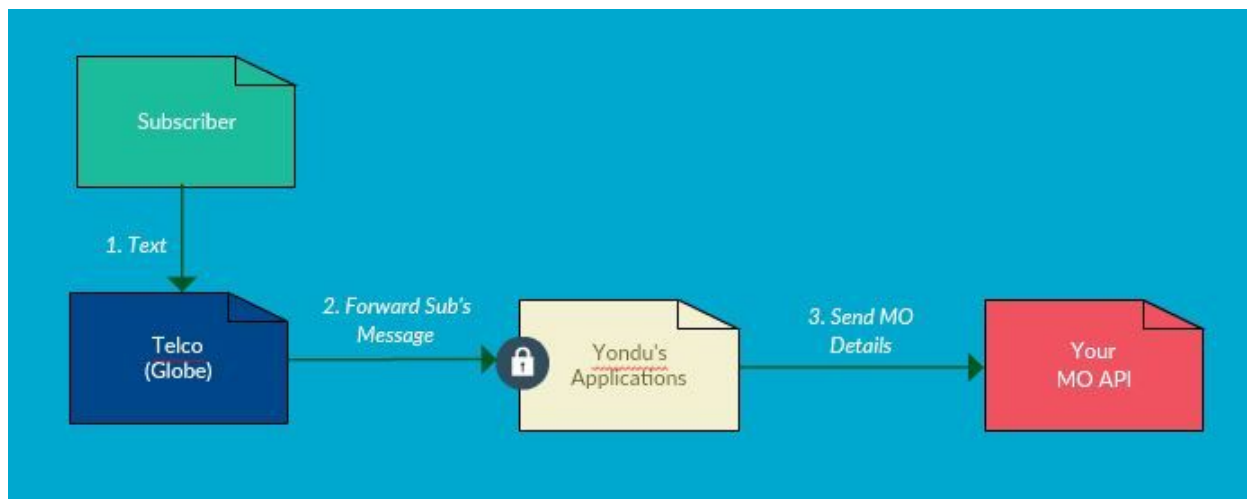| Code	Status	Description
200	Success	Successfully received the request and ready to process
400	Authentication Failed	Invalid Key
400	Incomplete Parameters	There are missing parameters
400	Invalid Keyword	Keyword sent does not exist
500	Write Error	Internal system error

CHARGING STATUS CODES

Code	Status	Description
200 / 201	Successful	Successfully charged
400	Authentication Error	Credentials error to telco
401 / 402	Subscriber not found	Subscriber mobile number is not active
411	GHP Subscriber has insufficient balance	Insufficient balance to all Prepaid/GHP subscribers
412	EricssonInsuffBal	Insufficient balance to all Touch Mobile subscribers
414	StatusInactive	Postpaid subscriber is inactive
416	ServerError	Current service is down or inactive
500	ReadTimeout	Current service is down or inactive
503	CSP Error	Telco problem to connect in CSP platform
503	App is not provisioned for charging or this rate	Charging amount is not provision
503	System is busy	Connection problem to telco
1001	No Response	Cannot connect Telco API after 3 attempts
1002	Connection Refused	Cannot access Telco API

SAMPLE PROCESS FLOW

Transaction Triggered Through SMS (OptIn, OptOut, Registration)

MO

CHARGING & MT
(This process is also applicable for Push transaction & MO triggered from your application)