TRADINGO ALGO WEB API

Ver. 1.0.0

Swastika Investmart Ltd.

Version No.	Date	Author	Authorized by	Addition/ Modification	Details
1.0.0	09 Sep 2022	Sunil Tiwari	Hariharan Iyer	API Information For Algo in Mobile and Web	API Integration Information

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1. GENERAL INSTRUCTIONS

1.1 REST REQUEST PARAMETERS

Each rest call will have below compulsory request parameter in header

Bearer (apiKey)
JWT Authorization header using the Bearer scheme (Example: 'Bearer 12345abcdef')
Name: Authorization
In: header

NOTE: All APIs are considered as ***POST method***. All the input as well as output data type will JSON formatted

1.2 REST RESPONSE PARAMETERS

The response comes as JSON object and response table in each rest description explains you about JSON object parameters -> Parameter with in JSON object will be in String format

Below parameter return in every response:

- StatusCode [int]
- Message [string]
- IsError [bool]
- ResponseException [object]
- Result [object]

SAMPLE

When Success

```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "Data": {
```

"ResponseId": 1,
"ResponseMessage": " Key generated successfully."
}
}
}

When Error

{
"StatusCode": 401,
"Message": "Fail",
"IsError": true,
"ResponseException": {
"ExceptionMessage": "Invalid AccessKey Or AccessSecret",
"Details": null,
"ValidationErrors": null
},
"Result": null
}

When Validate

{
"StatusCode": 400,
"Message": "Fail",
"IsError": true,
"ResponseException": {
"ExceptionMessage": "Request responded with validation error(s). Please correct the specified validation errors and try again.",
"Details": null,
"ValidationErrors": [
{
"Field": "AccessKey",
"Message": "Access Key is required."
},
{
"Field": "AccessSecret",
"Message": "Access Secret is required."

```
    }
  ]
 },
 "Result": null
}
```

1.3 ENCRYPTION & DECRYPTION LOGIC

We are using AES Everywhere to encrypt and decrypt data, below are the details:

Encryption Library: https://github.com/mervick/aes-everywhere

NOTE

- Encryption Password key will provide by Swastika.
- For Algo integration you need to register with swastika. Swastika will provide keys to access api.

2. STEPS FOLLOWING FOR TOKEN AND API ACCESS

2.1 GET TOKEN (SSO APP SESSION ID)

DESCRIPTION

Allow to get app session id

URL

<protocol>://<domain name>/auth/SSO/GetSSOAppSessionId

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	AccessKey	Key For Access API	Yes - (Provided By Swastika)
2	AccessSecret	Password For Access API	Yes - (Provided By Swastika)

SAMPLE

```
{
  "AccessKey": "DEMO Key",
  "AccessSecret": "DEMO Password"
}
```

RESPONSE

S.No.	Parameter	Description
1	Data	Object of Place Order Response (Check below table)

DATA

S.No.	Parameter	Description
1	AppSessionId	App Session Id

SAMPLE

```
{
```

 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "Data": {
   "AppSessionId": "551a00d8-85bb-4b36-8690-066cda94a2cd"
  }
 }
}

2.2 STEP AFTER GETTING APP SESSION ID

1- Now with this app session id you need to open/redirect swastika Url.
2- When user/client will complete successfully his login process, swastika will redirect your registered return url with token details.

URL: <protocol>://<domain name>/auth/login?AppSessionId=<your session Id> &State=<Any Information>

AppSessionId - For getting this need to call Above API **(ref. 2.1)**
State – This in optional parameter for Algo partners, in which they can sent any value and you will get this same value after successfully login process.

Video Demo Link: https://screencast-o-matic.com/watch/c3QQQPVOjeX

2.3 STEP AFTER RETURN YOUR APPLICATION

After successfully login process you will get query string parameter in encrypted value. Before decrypting data use URL Encoding.

Ex - https://yourdomain.com?ReturnParameter=<Encrypted Value>

Encrypted Value:

U2FsdGVkX18L/jvKzSDY9b6qo0EyDkaX1tYrukhaZtPPpxk3yyJx2EEyu9oWyxV+E5i3r1emxUC0VhNuDPSx2vcbdunKPjXP61XgeqbRIABu/8eG0NnZRYOZO65Xqn85zbl
CE9VXkHd7hZMQhYV5AHWCReVDN3gBV8DdK9apT68J2H7UtYlCLzQBTOred1rYfvz5blvuoVSjRVOzjqJ0fmw7jaEnRceB9SQ0fGNnGxwDpQ5YyKCq8Pw+Vq/b0DDe
FNnL6PfVRiuMn2g6KqW2/5A4BaS0p/DoyOyHmQoiUpoXQgFnAE/sP6YyffyAztm8sZGSrohqTuuan+OJxjEqUIeD0GzEwwMANAPgFwgV0cPbHbWp6MBrJGYq2M6/

MONcHcVxjUzx27o9Rdpv74DX2JRS+E8BDjnfX4fiUsD8iFbQpTXPPYs1tVnZ6Kl5uDtJFvyXCAMT3e6HcdHb2MIv6TBoNlAon4ksEUTr9Bx3dQssLLAbaot48Wdh2jl5vU
MfnPcgt2ZwxQf9KdsFuAq6AsBOIY/E9t9/r8altvAL2Gtrtr43aEU5Pam3hGg6KsbM+ZKbLMbkA5Y2y657FFSy/fMvLxDaTnsKg7YCE5uvu2qHM9LxHfFrtd02MYvbDsgU
aP+KnsVhEYrz85BY3xPSEdJ2vzewcSXyncf+q3dW16gso48EQsr5arfFSkU0cUdXoPYk3FF62edz88ec8ZvXhiFZzwBzQbJ3sdnt0KxUeSiLlwD7ynOwrB7W7aVFr4iWII1J/
EZWC0vW4Pvos3wPzIT6qXc7f5aTiDx2HfxbQOwgKU/KZWWT+GWYiZlKR4f/dd/aNMegG2VLoc5Nn

After Decrypt:

{
  "AccessToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy91c2VyZGF0YSI6IjkzOEExRjgyLTE4RjYtNEZFQi04QzEyLUYwN0M1Q0Y4QjQ0MCIsImh0dHA6Ly9zY2hlbWFzLm1pY3Jvc29mdC5jb20vd3MvMGFnaW5ndHJhZGluZ29yZXN0YXBpLnNnN3YXN0aWthLmNvLmluIn0.bN0dgN7PB1-gB8fb4bUf7ck7T8y2ntDBznf-x9q4wpE",
  "AccessTokenExpiry": "2022-09-09T16:04:04.9527223Z",
  "State": "MP"
}

After getting access token you are eligible for access swastika api (ref. 1.1).

3. PLACE ORDERS

3.1 PLACE ORDER

DESCRIPTION

Allow to place new order

URL

<protocol>://<domain name>/kb/PlaceOrders/PlaceOrder

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Actid	Login users account Id	Yes
3	Exch	Exchange (Select from 'exarr' Array provided in verify mpin response)	Yes
4	Tsym	Unique id of contract on which order to be placed.	Yes
5	Qty	Order Quantity	Yes
6	Prc	Order Price	Yes
7	Trgprc	Only to be sent in case of SL-LMT / SL-MKT order.	No
8	Dscqty	Disclosed quantity (Max 10% for NSE, and 50% for MCX)	No
9	Prd	Product name (Select from 'prarr' Array provided in verify mpin response)	Yes
10	Trantype	Transaction type (B -> BUY, S -> SELL)	Yes
11	Prctyp	Price type - LMT / MKT / SL-LMT / SL-MKT	Yes
12	Mkt_Protection	Market order protection percentage. Applicable only for MKT orders in BSE/BFO/BCS and MCX segments	No
13	Ret	Retention type (Show options as per allowed exchanges)	Yes
14	Remarks	Any tag by user to mark order.	No

15	OrderSource	Used to generate exchange info fields.	No
16	Bpprc	Book Profit Price applicable only if product is selected as B (Bracket order)	No
17	Blprc	Book loss Price applicable only if product is selected as H and B(High Leverage and Bracket order)	No
18	Trailprc	Trailing Price applicable only if product is selected as H and B(High Leverage and Bracket order)	No
19	Amo	Yes , If not sent, of Not "Yes", will be treated as Regular order.	No
20	Tsym2	Trading symbol of second leg, mandatory for price type 2L and 3L	No
21	Trantype2	Transaction type of second leg, mandatory for price type 2L and 3L	No
22	Qty2	Quantity for second leg, mandatory for price type 2L and 3L	No
23	Prc2	Price for second leg, mandatory for price type 2L and 3L	No
24	Tsym3	Trading symbol of third leg, mandatory for price type 3L	No
25	Trantype3	Transaction type of third leg, mandatory for price type 3L	No
26	Qty3	Quantity for third leg, mandatory for price type 3L	No
27	Prc3	Price for third leg, mandatory for price type 3L	

SAMPLE


```
{
 "Uid": "DEMO",
 "Actid": " DEMO",
 "Exch": "NSE",
 "Tsym": "ACC-EQ",
 "Qty": "1",
 "Prc": "2224.6",
 "Trgprc": "2224.6",
```

"Dscqty": "0",
"Prd": "I",
"Trantype": "B",
"Prctyp": "SL-LMT",
"Mkt_Protection": null,
"Ret": "DAY",
"Remarks": null,
"OrderSource": "MOB",
"Bpprc": null,
"Blprc": null,
"Amo": "No",
"Tsym2": null,
"Trantype2": null,
"Qty2": null,
"Prc2": null,
"Tsym3": null,
"Trantype3": null,
"Qty3": null,
"Prc3": null
}

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	Data	Object of Place Order Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time
3	NorenOrdNo	Order Number
4	Emsg	Error Message

SAMPLE

```
{
  "StatusCode": 200,
  "Message": "Request successful.",
  "IsError": false,
  "ResponseException": null,
  "Result": {
    "ResponseId": 1,
    "ResponseMessage": "Order placed successfully",
    "Data": {
      "Stat": "Ok",
      "Request_time": "10:47:10 04-08-2022",
      "NorenOrdNo": "22080400000002",
      "Emsg": null
    }
  }
}
```

3.2 CHECK MARGIN

DESCRIPTION

Allow to check margin for place order

URL

<protocol>://<domain name> /kb/PlaceOrders/CheckMargin

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Actid	Login users account Id	Yes
3	Exch	Exchange (Select from 'exarr' Array provided in verify mpin response)	Yes
4	Tsym	Unique id of contract on which order to be placed.	Yes
5	Qty	Order Quantity	Yes

6	Prc	Order Price	Yes
7	Prd	Product name (Select from ‘prarr’ Array provided in verify mpin response)	Yes
8	Trantype	Transaction type (B -> BUY, S -> SELL)	Yes
9	Prctyp	Price type - LMT / MKT / SL-LMT / SL-MKT	Yes
10	Blprc	Book loss Price applicable only if product is selected as H and B(High Leverage and Bracket order)	No
13	Rorgqty	Application only for modify order, open order quantity	No
14	Fillshares	Application only for modify order, quantity already filled.	No
15	Rorgprc	Optional field. Application only for modify order, open order price	No
16	Orgtrgprc	Application only for modify order, open order trigger price	No
17	Norenordno	Application only for H or B order modification	No
18	Snonum	Application only for H or B order modification	No

SAMPLE

```
{
  "Uid": "DEMO",
  "Actid": "DEMO",
  "Exch": "NSE",
  "Tsym": "ACC-EQ",
  "Qty": "1",
  "Prc": "2224.6",
  "Trgprc": "2224.6",
  "Prd": "I",
  "Trantype": "B",
  "Prctyp": "SL-LMT",
  "Blprc": null,
  "Rorgqty": null,
  "Fillshares": null,
  "Rorgprc": null,
```

"Orgtrgprc": null,
"Norenordno": null,
"Snonum": null
}

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time
3	Remarks	Remarks
4	Cash	Available cash
5	Marginused	Used margin
6	Emsg	Error Message

SAMPLE

{
"StatusCode": 200,
"Message": "Request successful.",
"IsError": false,
"ResponseException": null,
"Result": {
"ResponseId": 1,
"ResponseMessage": null,
"Data": {
"Stat": "Ok",
"Request_time": "10:47:08 04-08-2022",
"Remarks": "Order Success",
"Cash": "357225.38",
"Marginused": "2669.52",
"Emsg": null

```
    }
  }
}
```

3.3 CANCEL OPEN ORDERS

DESCRIPTION

Allow to cancel open orders

URL

<protocol>://<domain name>/kb/PlaceOrders/CancelOpenOrders

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Norenordno	Order Number	Yes

SAMPLE

```
{
 "Uid": "DEMO",
 " Norenordno": " 22072700000036",
}
```

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time

3	result	Order Number
4	Emsg	Error Message

SAMPLE

```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": null,
  "Data": {
   "Stat": "Ok",
   "Request_time": "17:21:27 27-07-2022",
   "result": "22072700000036",
   "Emsg": null
  }
 }
}
```

3.4 MODIFY OPEN ORDERS

DESCRIPTION

Allow to modify open orders

URL

<protocol>://<domain name>/ kb/PlaceOrders/ModifyOpenOrders

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Exch	Exchange	Yes

3	norenordno	Order number, which needs to be modified	Yes
4	Prctyp	This can be modified.	No
5	Prc	New price	No (Modified)
6	Qty	New Quantity	No (Modified - Please do not send only the pending qty in this field)
7	Tsym	Unique id of contract on which order was placed.	No (Can't be modified, must be the same as that of original order.)
8	Ret	New Retention type of the order	No
9	Mkt_Protection	Market order protection percentage. Applicable only for MKT orders in BSE/BFO/BCS and MCX segments.	No
10	Trgprc	New trigger price in case of SL-MKT or SL-LMT	No
11	bpprc	Book Profit Price applicable only if product is selected as B (Bracket order)	No
12	blprc	Book loss Price applicable only if product is selected as H and B(High Leverage and Bracket order)	No
13	trailprc	Trailing Price applicable only if product is selected as H and B(High Leverage and Bracket order)	No
14	Dscqty	Disclosed Quantity	No

SAMPLE


```
{
 "Uid": "DEMO",
 "Exch": "NSE",
 "norenordno": "22072800000041",
 "Prctyp": "MKT",
 "Prc": "0",
 "Qty": "1000",
 "Tsym": "RELIANCE-EQ",
 "Ret": "DAY",
 "Mkt_Protection": null,
 "Trgprc": null,
 "bpprc": null,
 "blprc": null,
```

"trailprc": null,
"Dscqty": "0"
}

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time
3	result	Order Number
4	Emsg	Error Message

SAMPLE

```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": null,
  "Data": {
   "Stat": "Ok",
   "Request_time": "15:18:34 09-08-2022",
   "result": "22072800000041",
   "Emsg": null
  }
 }
}
```

3.5 GET QUOTES

DESCRIPTION

Allow to get quotes information

URL

<protocol>://<domain name>/ /kb/PlaceOrders/GetQuotes

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Exch	Exchange	Yes
3	Token	Scrip Token	Yes

SAMPLE


```
{
 "Uid": "DEMO",
 "Exch": "CDS",
 "Token": "2614"
}
```


RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time
3	Exch	Exchange
4	Tsym	Trading Symbol

5	Cname	Company Name
6	Symname	Symbol Name
7	Seg	Segment
8	Instname	Instrument Name
9	Isin	ISIN
10	Pp	Price precision
11	Ls	Lot Size
12	Ti	Tick Size
13	Mult	Multiplier
14	Uc	Upper circuit limit
15	Lc	Lower circuit limit
16	Prcftr_d	Price factor
17	token	Token
18	lp	LTP
19	O	Open Price
20	H	Day High Price
21	L	Day Low Price
22	V	Volume
23	Ltq	Last trade quantity
24	Ltt	Last trade time
25	Bp1	Best Buy Price 1
26	Sp1	Best Sell Price 1
27	Bp2	Best Buy Price 2
28	Sp2	Best Sell Price 2
29	Bp3	Best Buy Price 3
30	Sp3	Best Sell Price 3
31	Bp4	Best Buy Price 4
32	Sp4	Best Sell Price 4
33	Bp5	Best Buy Price 5
34	Sp5	Best Sell Price 5
35	Bq1	Best Buy Quantity 1
36	Sq1	Best Sell Quantity 1
37	Bq2	Best Buy Quantity 2
38	Sq2	Best Sell Quantity 2
39	Bq3	Best Buy Quantity 3

40	Sq3	Best Sell Quantity 3
41	Bq4	Best Buy Quantity 4
42	Sq4	Best Sell Quantity 4
43	Bq5	Best Buy Quantity 5
44	Sq5	Best Sell Quantity 5
45	Bo1	Best Buy Orders 1
46	So1	Best Sell Orders 1
47	Bo2	Best Buy Orders 2
48	So2	Best Sell Orders 2
49	Bo3	Best Buy Orders 3
50	So3	Best Sell Orders 3
51	Bo4	Best Buy Orders 4
52	So4	Best Sell Orders 3
53	Bo5	Best Buy Orders 5
54	So5	Best Sell Orders 5
55	Emsg	Error messages
56	Lut	Last updated time
57	Toi	Total open interest for underlying
58	C	Close Price
59	Ap	Average trade price
60	Tbq	Total buy qty
61	Tsq	Total sell qty

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": "Executed successfully",
  "Data": {
   "Stat": "Ok",
```

"Request_time": "17:02:01 27-07-2022",
"Exch": "CDS",
"Tsym": "USDINR29JUL22F",
"Cname": null,
"Symname": "USDINR",
"Seg": "FX",
"Instname": "FUTCUR",
"Isin": null,
"Pp": "4",
"Ls": "1",
"Ti": "0.0025",
"Mult": "1000",
"Uc": "82.2325",
"Lc": "77.4400",
"Prcftr_d": "(1 / 1) * (1 / 1)",
"token": "2614",
"lp": "79.9600",
"O": "79.1025",
"H": "79.9625",
"L": "79.1025",
"V": "198208",
"Ltq": "1",
"Ltt": "16:59:57",
"Bp1": "79.9300",
"Sp1": "79.9550",
"Bp2": "79.9150",
"Sp2": "79.9650",
"Bp3": "79.9125",
"Sp3": "79.9700",
"Bp4": "79.9100",
"Sp4": "79.9725",
"Bp5": "79.9050",
"Sp5": "79.9750",
"Bq1": "51",
"Sq1": "50",
"Bq2": "122",

```
    "Sq2": "3",
    "Bq3": "10",
    "Sq3": "36",
    "Bq4": "26",
    "Sq4": "2",
    "Bq5": "66",
    "Sq5": "4",
    "Bo1": "2",
    "So1": "1",
    "Bo2": "2",
    "So2": "2",
    "Bo3": "1",
    "So3": "3",
    "Bo4": "2",
    "So4": "1",
    "Bo5": "3",
    "So5": "1",
    "Emsg": null,
    "Lut": "1658921400",
    "Toi": null,
    "C": "79.8350",
    "Ap": "79.9225",
    "Tbq": "15416",
    "Tsq": "10227"
   }
  }
}
```


3.6 GET SECURITY INFORMATION

DESCRIPTION

Allow to get script information

URL

<protocol>://<domain name>/kb/PlaceOrders/GetSecurityInfo

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
	Exch	Exchange	Yes
	Token	Scrip Token	Yes

SAMPLE

{
 "Uid": "DEMO",
 "Exch": "CDS",
 "Token": "9573"
}

RESPONSE

S.No.	Parameter	Description
1	ResponseId	ResponseId
2	ResponseMessage	Response Message
	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Ok / Not_Ok
2	Request_time	Request time
3	Exch	Exchange
4	Tsym	Trading Symbol
5	Cname	Company Name
6	Symnam	Symbol Name
7	Seg	Segment
8	Exd	Expiry Date
9	Instname	Intrument Name
10	Strprc	Strike Price
11	Optt	Option Type
11	Isin	ISIN
12	Ti	Tick Size

13	Ls	Lot Size
14	Pp	Price precision
15	Mult	Multiplier
16	Gp_nd	gn/gd * pn/pd (text format)
17	Prcunt	Price Units
18	Prcqqty	Price Quote Qty
19	Trdunt	Trade Units
20	Delunt	Delivery Units
21	Frzqty	Freeze Qty
22	Gsmind	Scripupdate Gsm Ind
23	Elmbmrg	Elm Buy Margin
24	Elmsmrg	Elm Sell Margin
25	Addbmrg	Additional Long Margin
26	Addsmrg	Additional Short Margin
27	Splbmrg	Special Long Margin
28	Splsmrg	Special Short Margin
29	Delmrg	Delivery Margin
30	Tenmrg	Tender Margin
31	Tenstrd	Tender Start Date
32	Tenendd	Tender End Date
33	Exestrd	Exercise Start Date
34	Exeendd	Exercise End Date
35	Mkt_t	Market type
36	Issue_d	Issue date
37	Listing_d	Listing date
38	Last_trd_d	last trading date
39	Elmmrg	Elm Margin
40	Varmrg	Var Margin
41	Expmrg	Exposure Margin
42	Token	Contract Token
43	Prcftr_d	((GN / GD) * (PN/PD)) (actual value for calculations)
44	Weekly	Weekly Option, ‘W1’, ‘W2’, ‘W3’, ‘W4’ th week
45	Nontrd	Non tradable instruments
46	Prcftr	Price Factor
47	Emsg	Error Message

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": "Executed successfully",
  "Data": {
   "Request_time": "18:54:43 21-07-2022",
   "Stat": "Ok",
   "Exch": "CDS",
   "Tsym": "USDINR22JUL22C80.25",
   "Cname": null,
   "Symnam": null,
   "Seg": "FX",
   "Exd": "22-JUL-2022",
   "Instname": "OPTCUR",
   "Strprc": "80.2500",
   "Optt": "CE",
   "Isin": null,
   "Ti": "0.0025",
   "Ls": "1",
   "Pp": "4",
   "Mult": "1000",
   "Gp_nd": null,
   "Prcunt": null,
   "Prcqqty": null,
   "Trdunt": null,
   "Delunt": null,
   "Frzqty": "10001",
   "Gsmind": null,
   "Elmbmrg": null,
   "Elmsmrg": null,
```

"Addbmrg": null,
"Addsmrg": null,
"Splbmrg": null,
"Splsmrg": null,
"Delmrg": null,
"Tenmrg": null,
"Tenstrd": null,
"Tenendd": null,
"Exestrd": null,
"Exeendd": null,
"Mkt_t": null,
"Issue_d": null,
"Listing_d": null,
"Last_trd_d": null,
"Elmmrg": null,
"Varmrg": null,
"Expmrg": "1.50",
"Token": "9573",
"Prcftr_d": "(1 / 1) * (1 / 1)",
"Weekly": "W4",
"Nontrd": null,
"Prcftr": "1.000000",
"Emsg": null
}
}
}

3.7 SQUARE OFF ORDER

DESCRIPTION

Allow to Multiple Square Off Order

URL

<protocol>://<domain name>/kb/PlaceOrders/SquareOffOrder

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	SqOffOrderReq	Object of Request (Check below table)	Yes

DATA

S.No.	Parameter	Description
1	Exch	Exchange
2	Tsym	Unique id of contract on which order to be placed.
3	Qty	Order Quantity
4	Prd	Product name
5	Trantype	Transaction type (B -> BUY, S -> SELL)

SAMPLE


```
{
 "Uid": "DEMO",
 "SqOffOrderReq": [
  {
   "Exch": "BSE",
   "Tsym": "ASIANTNE",
   "Qty": "1",
   "Trantype": "S",
   "Prd": "I"
  },
  {
   "Exch": "NFO",
   "Tsym": "APOLLOTYRE25AUG22P200",
   "Qty": "1",
   "Trantype": "S",
   "Prd": "M"
  }
 ]
}
```


RESPONSE

S.No.	Parameter	Description
1	TotalRows	Number of rows in list
2	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	ResponseId	Exchange
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Exch	Exchange
2	Tsym	Response Message
3	Prd	Product name
4	Stat	Ok / Not_Ok
5	Request_time	Request time
6	NorenOrdNo	Order Number
7	Emsg	Error Message

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "TotalRows": 0,
  "Data": [
   {
    "ResponseId": 1,
    "ResponseMessage": "Order placed successfully",
    "Data": {
     "Exch": "BSE",
     "Tsym": "ASIANTNE",
```

```
        "Prd": "I",
        "Stat": "Ok",
        "Request_time": "17:46:35 29-07-2022",
        "NorenOrdNo": "22072900000071",
        "Emsg": null
      }
    },
    {
      "ResponseId": 1,
      "ResponseMessage": "Order placed successfully",
      "Data": {
        "Exch": "NFO",
        "Tsym": "APOLLOTYRE25AUG22P200",
        "Prd": "M",
        "Stat": "Ok",
        "Request_time": "17:46:35 29-07-2022",
        "NorenOrdNo": "22072900000073",
        "Emsg": null
      }
    }
  ]
 }
}
```

4. ORDERS BOOK

4.1 GET ORDER BOOK LIST

DESCRIPTION

Allow to get order book list

URL

<protocol>://<domain name>/kb/OrderBook/GetOrderBookList

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	User Id/Client Code	Yes
2	Prd	Product name	No (This will be present only if Order cancelation fails)

SAMPLE


```
{
 "Uid": "DEMO",
 "prd": ""
}
```


RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Date	Object of Response (Check below table)

DATA

S.No.	Parameter	Description

1	Stat	Order book success or failure indication.
2	Uid	Logged in User Id
3	Actid	Login users account ID
4	Exch	Exchange Segment
5	Tsym	Trading symbol / contract on which order is placed.
6	norenordno	Noren Order Number
7	Prc	Order Price
8	Qty	Order Quantity
9	Mkt_Protection	Market Protection percentage
10	Prd	Display product alias name, using prarr returned in user details.
11	status	Order status
12	Trantype	Transaction type of the order
13	Prctyp	Price type
14	Fillshares	Total Traded Quantity of this order (will not be present if no trades for this order)
15	Avgprc	Average trade price of total traded quantity (will not be present if no trades for this order)
16	Rejreason	If order is rejected, reason in text form
17	Exchordid	Exchange Order Number
18	Cancelqty	Cancelled quantity for order which is in status cancelled.
19	Remarks	Any message Entered during order entry
20	Dscqty	Order disclosed quantity
21	Trgprc	Order trigger price
22	Ret	Order validity
23	Bpprc	Book Profit Price applicable only if product is selected as B (Bracket order)
24	Blprc	Book loss Price applicable only if product is selected as H and B(High Leverage and Bracket order)
25	Trailprc	Trailing Price applicable only if product is selected as H and B(High Leverage and Bracket order)
26	Amo	Yes / No
27	Pp	Price precision
28	Ti	Tick size
29	Ls	Lot size

30	Token	Contract Token
31	Norentm	Noren time stamp
32	Ordenttm	Order entry time
33	Exch_tm	Exchange update time
34	Snoordt	0 for profit leg and 1 for stoploss leg
35	Snonum	This field will be present for product H and B; and only if it is profit/sl order.
36	Prcftr	Contract price factor (GN*PN)/(GD*PD), (used for order value calculation)
37	Mult	Contract price multiplier, (used for order value calculation)
38	Dname	Broker specific contract display name, present only if applicable.
39	Rqty	To be used in get margin from modify window.
40	Rprc	To be used in get margin from modify window.
41	Rtrgprc	To be used in get margin from modify window, for H/B products only
42	Rblprc	To be used in get margin from modify window, for H/B products only
43	Rorgqty	To be used in get margin from modify window.
44	Rorgprc	To be used in get margin from modify window.
45	Orgtrgprc	To be used in get margin from modify window, for H/B products only
46	Orgblprc	To be used in get margin from modify window, for H/B products only

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": "",
  "Data": [
   {
     "Stat": "Ok",
     "Uid": "GO73987",
     "Actid": "GO73987",
```

"Exch": "NSE",
"Tsym": "PNB-EQ",
"norenordno": "22072100000038",
"Prc": "0.01",
"Qty": "1",
"Mkt_Protection": null,
"Prd": "I",
"status": "CANCELED",
"Trantype": "S",
"Prctyp": "LMT",
"Fillshares": null,
"Avgprc": null,
"Rejreason": null,
"Exchordid": "5",
"Cancelqty": "1",
"Remarks": null,
"Dscqty": "0",
"Trgprc": null,
"Ret": "DAY",
"Bpprc": null,
"Blprc": null,
"Trailprc": null,
"Amo": null,
"Pp": "2",
"Ti": "0.05",
"Ls": "1",
"Token": "10666",
"Norentm": "17:02:37 21-07-2022",
"Ordenttm": "1658403157",
"Exch_tm": "21-07-2022 17:02:37",
"Snoordt": null,
"Snonum": null,
"Prcftr": "1.000000",
"Mult": "1",
"Dname": null,

```
      "Rqty": "1",
      "Rprc": "31.85",
      "Rtrgprc": null,
      "Rblprc": null,
      "Rorgqty": null,
      "Rorgprc": null,
      "Orgtrgprc": null,
      "Orgblprc": null
    }
  ]
 }
}
```


4.2 EXIT SNO ORDER

DESCRIPTION

Allow to exit sno order

URL

<protocol>://<domain name>/kb/OrderBook/ExitSNO

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Norenordno	Noren order number	Yes
2	Prd	Allowed for only H and B products (Cover order and bracket order)	Yes
3	Uid	User id of the logged in user.	Yes

SAMPLE


```
{
 "Norenordno": "22081600000112",
 "Prd": "H",
 "Uid": "DEMO"
```

}

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Cancel order success or failure indication.
2	Dmsg	Display message, (will be present only in case of success).
3	Request_time	Response received time
4	Emsg	This will be present only if Order cancelation fails

SAMPLE


```
{
  "StatusCode": 200,
  "Message": "Request successful.",
  "IsError": false,
  "ResponseException": null,
  "Result": {
    "ResponseId": 1,
    "ResponseMessage": null,
    "Data": {
      "Stat": "Ok",
      "Dmsg": "success",
      "Request_time": "15:24:25 16-08-2022",
      "Emsg": null
    }
  }
}
```

5. POSITION BOOK

5.1 GET POSITION BOOK LIST

DESCRIPTION

Allow to get position book list

URL

<protocol>://<domain name>/kb/PositionBook/GetPositionBookList

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	Logged in User Id	Yes
2	Actid	Login users account ID	Yes

SAMPLE


```
{
 "Uid": "DEMO",
 "Actid": "DEMO"
}
```


RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Position book success or failure indication

2	Exch	Exchange segment
3	Tsym	Trading symbol / contract
4	Token	Contract token
5	Uid	User Id
6	Actid	Account Id
7	Prd	Product name to be shown
8	Netqty	Net Position quantity
9	Netavgprc	Net position average price
10	Daybuyqty	Day Buy Quantity
11	Daysellqty	Day Sell Quantity
12	Daybuyavgprc	Day Buy average price
13	Daysellavgprc	Day Sell average price
14	Daybuyamt	Day Buy Amount
15	Daysellamt	Day Sell Amount
16	Cfbuyqty	Carry Forward Buy Quantity
17	Cfsellqty	Carry Forward Sell Quantity
18	Cfbuyavgprc	Carry Forward Buy average price
19	Cfsellavgprc	Carry Forward Sell average price
20	Cfbuyamt	Carry Forward Buy Amount
21	Cfsellamt	Carry Forward Sell Amount
22	Lp	LTP
23	Rpnl	RealizedPNL
24	Urmtom	UnrealizedMTOM. (Can be recalculated in LTP update := netqty* (lp from web socket - netavgprc) * prcftr
25	Bep	Break even price
26	Openbuyqty	Open Buy Quantity
27	Opensellqty	Open Sell Quantity
28	Openbuyamt	Open Buy Amount
29	Opensellamt	Open Sell Amount
30	Openbuyavgprc	Open Buy average price
31	Opensellavgprc	Open Sell average price
32	Mult	Contract price multiplier, (used for order value calculation)
33	Pp	Price precision
34	Prcftr	gn*pn/(gd*pd)

35	Ti	Tick size
36	Ls	Lot size
37	Request_time	This will be present only in a failure response
38	Cforgavgamt	Carry Forward Original Avg Amount
39	Cforgavgtype	Carry Forward Original Avg Type
40	CForgbuyqty	Carry Forward Original Buy Quantity
41	CForgsellqty	Carry Forward Original Sell Quantity

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": "",
  "Data": [
   {
    "Stat": "Ok",
    "Exch": "NFO",
    "Tsym": "WIPRO25AUG22C450",
    "Token": "145003",
    "Uid": "ADMIN4",
    "Actid": "OHO0187",
    "Prd": "M",
    "Netqty": "-1000",
    "Netavgprc": "7.70",
    "Daybuyqty": "0",
    "Daysellqty": "0",
    "Daybuyavgprc": "0.00",
    "Daysellavgprc": "0.00",
    "Daybuyamt": "0.00",
    "Daysellamt": "0.00",
    "Cfbuyqty": "0",
```

```
        "Cfsellqty": "1000",
        "Cfbuyavgprc": null,
        "Cfsellavgprc": "7.70",
        "Cfbuyamt": null,
        "Cfsellamt": "7700.00",
        "Lp": "6.15",
        "Rpnl": "0.00",
        "Urmtom": "1550.00",
        "Bep": "7.70",
        "Openbuyqty": "0",
        "Opensellqty": "0",
        "Openbuyamt": "0.00",
        "Opensellamt": "0.00",
        "Openbuyavgprc": "0.00",
        "Opensellavgprc": "0.00",
        "Mult": "1",
        "Pp": "2",
        "Prcftr": "1.000000",
        "Ti": "0.05",
        "Ls": "1000",
        "Request_time": null,
        "Cforgavgamt": null,
        "Cforgavgtype": null
      }
    ]
  }
}
```


5.2 GET POSITION CONVERSION

DESCRIPTION

Allow to convert order position

URL

<protocol>://<domain name>/kb/PositionBook/PositionConversion

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Exch	Exchange	Yes
2	Tsym	Trading symbol / contract	Yes
3	NetQty	Net Quantity (CFQty + DayQty)	Yes
4	CFQty	CF Quantity	Yes
5	DayQty	Day Quantity	Yes
6	CReqQty	Request Quantity to be converted	Yes
7	Uid	Logged in User Id	Yes
8	Prd	Product to which the user wants to convert position	
9	Prevprd	Original product of the position	Yes
10	Trantype	Transaction type	Yes

SAMPLE

```
{
  "Exch": "CDS",
  "Tsym": "USDINR26AUG22C80",
  "NetQty": 5000,
  "CFQty": -5,
  "DayQty": 0,
  "CReqQty": -5,
  "Uid": "DEMO",
  "Prd": "I",
  "Prevprd": "M",
  "Trantype": "S"
}
```

RESPONSE

S.No.	Parameter	Description

1	ResponseId	Response Id
2	ResponseMessage	Response Message

SAMPLE


```
{
  "StatusCode": 200,
  "Message": "Request successful.",
  "IsError": false,
  "ResponseException": null,
  "Result": {
    "ResponseId": 1,
    "ResponseMessage": "Product conversion successfully done."
  }
}
```

6. TRADE BOOK

6.1 GET TRADE BOOK

DESCRIPTION

Allow to get trade book list

URL

<protocol>://<domain name>/kb/TradeBook/GetTradeBookList

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	Logged in User Id	Yes
2	Actid	Login users account ID	Yes

SAMPLE


```
{
 "Uid": "DEMO",
 "Actid": "DEMO"
}
```


RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Order book success or failure indication
2	Exch	Exchange Segment

3	Tsym	Trading symbol / contract on which order is placed
4	Norenordno	Order Number
5	Qty	Order Quantity
6	Prd	Display product alias name, using prarr returned in user details
7	Trantype	Transaction type of the order (B/S)
8	Prctyp	Price type (LMT/MKT)
9	Fillshares	Total Traded Quantity of this order
10	Avgprc	Average trade price of total traded quantity
11	Exchordid	BTST Collateral quantity
12	Remarks	Holding used today
13	Ret	Average price uploaded along with holdings
14	Uid	Logged in User Id
15	Actid	Login users account ID
16	Pp	Price precision
17	Ti	Tick size
18	Ls	Lot size
19	CstFrm	Custom Firm
20	Fltm	Fill Time
21	Flid	Fill ID
22	Flqty	Fill Qty
23	Flprc	Fill Price
24	Ordersource	Order Source
25	Token	Token
26	Norentm	Noren time stamp
27	Exch_tm	Exchange update time
28	Snoordt	0 for profit leg and 1 for stoploss leg
29	Snonum	This field will be present for product H and B; and only if it is profit/sl order
30	Request_time	Response received time
31	Emsg	Error message

SAMPLE

{
  "StatusCode": 200,

"Message": "Request successful.",
"IsError": false,
"ResponseException": null,
"Result": {
 "ResponseId": 1,
 "ResponseMessage": "",
 "Data": [
  {
   "Stat": "Ok",
   "Exch": "NSE",
   "Tsym": "BSE-EQ",
   "Norenordno": "22082900000068",
   "Qty": "1",
   "Prd": "I",
   "Trantype": "B",
   "Prctyp": "LMT",
   "Fillshares": "1",
   "Avgprc": null,
   "Exchordid": "13",
   "Remarks": "",
   "Ret": "DAY",
   "Uid": "OHO0187",
   "Actid": "OHO0187",
   "Pp": "2",
   "Ti": "0.05",
   "Ls": "1",
   "CstFrm": null,
   "Fltm": "29-08-2022 16:24:22",
   "Flid": "114",
   "Flqty": "1",
   "Flprc": "750.00",
   "Ordersource": null,
   "Token": "19585",
   "Norentm": "16:24:22 29-08-2022",
   "Exch_tm": "29-08-2022 16:24:22",

```
    "Snoordt": null,
    "Snonum": null
  },
  {
    "Stat": "Ok",
    "Exch": "NSE",
    "Tsym": "BSE-EQ",
    "Norenordno": "22082900000071",
    "Qty": "1",
    "Prd": "I",
    "Trantype": "S",
    "Prctyp": "LMT",
    "Fillshares": "1",
    "Avgprc": null,
    "Exchordid": "16",
    "Remarks": "",
    "Ret": "DAY",
    "Uid": "OHO0187",
    "Actid": "OHO0187",
    "Pp": "2",
    "Ti": "0.05",
    "Ls": "1",
    "CstFrm": null,
    "Fltm": "29-08-2022 16:24:22",
    "Flid": "113",
    "Flqty": "1",
    "Flprc": "750.00",
    "Ordersource": null,
    "Token": "19585",
    "Norentm": "16:24:22 29-08-2022",
    "Exch_tm": "29-08-2022 16:24:22",
    "Snoordt": null,
    "Snonum": null
  }
]
```

```
  }
}
```

7. HOLDING

7.1 GET HOLDING

DESCRIPTION

Allow to get holding

URL

<protocol>://<domain name>/kb/Holdings/GetHoldings

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	Logged in User Id	Yes
2	Actid	Login users account ID	Yes
3	Prd	Product name	Yes

SAMPLE

```
{
 "Uid": "DEMO",
 "Actid": "DEMO"
 "Prd ": "C"
}
```

RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message
3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description

1	Stat	Holding request success or failure indication
2	Exch_tsym	Array of objects exch_tsym objects as defined below
3	Holdqty	Holding quantity
4	Dpqty	DP Holding quantity
5	Npoadqty	Non Poa display quantity
6	Colqty	Collateral quantity
7	Benqty	Beneficiary quantity
8	Unplgdqty	Unpledged quantity
9	Brkcolqty	Broker Collateral
10	Btstqty	BTST quantity
11	Btstcolqty	BTST Collateral quantity
12	Usedqty	Holding used today
13	Upldprc	Average price uploaded along with holdings
14	Request_time	Response received time
15	Emsg	Error message

EXCH_TSYM

S.No.	Parameter	Description
1	Exch	Exchange
2	Tsym	Trading symbol of the scrip (contract)
3	Token	Trading symbol of the scrip (contract)
4	Pp	Price precision
5	Ti	Tick size
6	Ls	Lot size

SAMPLE


```
{
 "StatusCode": 200,
 "Message": "Request successful.",
 "IsError": false,
 "ResponseException": null,
 "Result": {
  "ResponseId": 1,
  "ResponseMessage": "",
```

```
    "Data": [
     {
       "Stat": "Ok",
       "Exch_tsym": [
        {
          "Exch": "BSE",
          "Tsym": "ASIANTNE",
          "Token": "519532",
          "Pp": "2",
          "Ti": "0.01",
          "Ls": "1"
        }
       ],
       "Holdqty": "200",
       "Dpqty": "0",
       "Npoadqty": null,
       "Colqty": "200",
       "Benqty": "0",
       "Unplgdqty": null,
       "Brkcolqty": "0",
       "Btstqty": "0",
       "Btstcolqty": null,
       "Usedqty": "0",
       "Upldprc": "15.95"
     }
    ]
  }
}
```

8. LIMITS

8.1 GET LIMITS

DESCRIPTION

Allow to get limits details

URL

<protocol>://<domain name>/kb//Limits/GetLimits

INPUT

S.No.	Parameter	Description	Mandatory/Comments
1	Uid	Logged in User Id	Yes
2	Actid	Login users account ID	Yes
3	Prd	Product name	No
4	Seg	Segment	No
5	Exch	Exchange	No

SAMPLE


```
{
 "Uid": "DEMO",
 "Actid": "DEMO",
 "Prd": null,
 "Seg": null,
 "Exch": null
}
```


RESPONSE

S.No.	Parameter	Description
1	ResponseId	Response Id
2	ResponseMessage	Response Message

3	Data	Object of Response (Check below table)

DATA

S.No.	Parameter	Description
1	Stat	Limits success or failure indication
2	Actid	Account id
3	Prd	Product name
4	Seg	Segment - CM / FO / FX
5	Exch	Exchange
Cash Primary Fields		
6	Cash	Cash Margin available
7	Payin	Total Amount transferred using Payins today
8	Payout	Total amount requested for withdrawal today
Cash Additional Fields		
9	Brkcollamt	Prevalued Collateral Amount
10	Unclearedcash	Uncleared Cash (Payin through cheques)
11	Daycash	Additional leverage amount / Amount added to handle system errors - by broker.
Margin Utilized		
12	Marginused	Total margin / fund used today
13	Mtomcurper	Mtom current percentage
Margin Used components		
14	Cbu	CAC Buy used
15	Csc	CAC Sell Credits
16	Rpnl	Current realized PNL
17	Unmtom	Current unrealized mtom
18	Marprt	Covered Product margins
19	Span	Span used
20	Expo	Exposure margin
21	Premium	Premium used
22	Varelm	Var Elm Margin
23	Grexpo	Gross Exposure
24	Greexpo_d	Gross Exposure derivative
25	Scripbskmar	Scrip basket margin

26	Addscripbskmrg	Additional scrip basket margin
27	Brokerage	Brokerage amount
28	Collateral	Collateral calculated based on uploaded holdings
29	Grcoll	Valuation of uploaded holding pre haircut
Additional Risk Limits		
30	Turnoverlmt	Turn over limit
31	Pendordvallmt	Pending order limit
Additional Risk Indicators		
32	Turnover	Turnover
33	Pendordval	Pending Order value
Margin used detailed breakup fields		
34	Rzpnl_e_i	Current realized PNL (Equity Intraday)
35	Rzpnl_e_m	Current realized PNL (Equity Margin)
36	Rzpnl_e_c	Current realized PNL (Equity Cash n Carry)
37	Rzpnl_d_i	Current realized PNL (Derivative Intraday)
38	Rzpnl_d_m	Current realized PNL (Derivative Margin)
39	Rzpnl_f_i	Current realized PNL (Derivative Margin)
40	Rzpnl_f_m	Current realized PNL (FX Margin)
41	Rzpnl_c_i	Current realized PNL (Commodity Intraday)
42	Rzpnl_c_m	Current realized PNL (Commodity Margin)
43	Uzpnl_e_i	Current unrealized MTOM (Equity Intraday)
44	Uzpnl_e_m	Current unrealized MTOM (Equity Margin)
45	Uzpnl_e_c	Current unrealized MTOM (Equity Cash n Carry)
46	Uzpnl_d_i	Current unrealized MTOM (Derivative Intraday)
47	Uzpnl_d_m	Current unrealized MTOM (Derivative Margin)
48	Uzpnl_f_i	Current unrealized MTOM (FX Intraday)
49	Uzpnl_f_m	Current unrealized MTOM (FX Margin)
50	Uzpnl_c_i	Current unrealized MTOM (Commodity Intraday)
51	Uzpnl_c_m	Current unrealized MTOM (Commodity Margin)
52	Span_d_i	Span Margin (Derivative Intraday)
53	Span_d_m	Span Margin (Derivative Margin)
54	Span_f_i	Span Margin (FX Intraday)
55	Span_f_m	Span Margin (FX Margin)
56	Span_c_i	Span Margin (Commodity Intraday)

57	Span_c_m	Span Margin (Commodity Margin)
58	Expo_d_i	Exposure Margin (Derivative Intraday)
59	Expo_d_m	Exposure Margin (Derivative Margin)
60	Expo_f_i	Exposure Margin (FX Intraday)
61	Expo_f_m	Exposure Margin (FX Margin)
62	Expo_c_i	Exposure Margin (Commodity Intraday)
63	Expo_c_m	Exposure Margin (Commodity Margin)
64	Premium_d_i	Option premium (Derivative Intraday)
65	Premium_d_m	Option premium (Derivative Margin)
66	Premium_f_i	Option premium (FX Intraday)
67	Premium_f_m	Option premium (FX Margin)
68	Premium_c_i	Option premium (Commodity Intraday)
69	Premium_c_m	Option premium (Commodity Margin)
70	Varelm_e_i	Var Elm (Equity Intraday)
71	Varelm_e_m	Var Elm (Equity Margin)
72	Varelm_e_c	Var Elm (Equity Cash n Carry)
73	Marprt_e_h	Covered Product margins (Equity High leverage)
74	Marprt_e_b	Covered Product margins (Equity Bracket Order)
75	Marprt_d_h	Covered Product margins (Derivative High leverage)
76	Marprt_d_b	Covered Product margins (Derivative Bracket Order)
77	Marprt_f_h	Covered Product margins (FX High leverage)
78	Marprt_f_b	Covered Product margins (FX Bracket Order)
79	Marprt_c_h	Covered Product margins (Commodity High leverage)
80	Marprt_c_b	Covered Product margins (Commodity Bracket Order)
81	Scripbskmar_e_i	Scrip basket margin (Equity Intraday)
82	Scripbskmar_e_m	Scrip basket margin (Equity Margin)
83	Scripbskmar_e_c	Scrip basket margin (Equity Cash n Carry)
84	Addscripbskmrg_d_i	Additional scrip basket margin (Derivative Intraday)
85	Addscripbskmrg_d_m	Additional scrip basket margin (Derivative Margin)
86	Addscripbskmrg_f_i	Additional scrip basket margin (FX Intraday)
87	Addscripbskmrg_f_m	Additional scrip basket margin (FX Margin)
88	Addscripbskmrg_c_i	Additional scrip basket margin (Commodity Intraday)
89	Addscripbskmrg_c_m	Additional scrip basket margin (Commodity Margin)
90	Brkage_e_i	Brokerage (Equity Intraday)

91	Brkage_e_m	Brokerage (Equity Margin)
92	Brkage_e_c	Brokerage (Equity CAC)
93	Brkage_e_h	Brokerage (Equity High Leverage)
94	Brkage_e_b	Brokerage (Equity Bracket Order)
95	Brkage_d_i	Brokerage (Derivative Intraday)
96	Brkage_d_m	Brokerage (Derivative Margin)
97	Brkage_d_h	Brokerage (Derivative High Leverage)
98	Brkage_d_b	Brokerage (Derivative Bracket Order)
99	Brkage_f_i	Brokerage (FX Intraday)
100	Brkage_f_m	Brokerage (FX Margin)
101	Brkage_f_h	(FX High Leverage)
102	Brkage_f_b	Brokerage (FX Bracket Order)
103	Brkage_c_i	Brokerage (Commodity Intraday)
104	Brkage_c_m	Brokerage (Commodity Margin)
105	Brkage_c_h	Brokerage (Commodity High Leverage)
106	Brkage_c_b	Brokerage (Commodity Bracket Order)
107	Request_time	This will be present only in a successful response.
108	Emsg	This will be present only in a failure response.

SAMPLE


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