



NOREN Mobile Client API

KAMBALA SOLUTIONS PVT LTD



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Version History

Version	Changes	Details
1.6.0	Option Chain added	Return 10 strikes above and below the given Price, to load the option chain screen.
	Span calculator added	Provides span and exposure value for given positions
1.7.0	Change password	dmsg added in case of successful password change
	Get and Validate HS token	Get HandShake Token And Validate HS token added. Help direct login facility into third party sites (BackOffice / DP etc)
1.8.0	Span Calculator fields corrected	
	Exit order added.	
1.9.0	Order margin API added	
	/SingleOrdHist and /GetIndexList added	
	Upper ckt limit and lower ckt limit added to security info api	
	52 week high / low added to depth	



INTRODUCTION

Kambala Solutions is a solution oriented firm indulged in serving financial organizations with innovative products and services. We understand the new challenges and obstacles which are continuously arising for businesses with rapid advances in technology and environment, they could only be tackled with efficient and effective approaches. We have expertise in building high throughput, low latency distributed applications that can support a large concurrent user base.

Noren OMS solution is built keeping in mind the large and diverse Indian broking industry. Few of the prominent coverages are Order Execution, Algo Trading, Exchange connectivity and Risk Mitigation. The Noren OMS team strives to serve ever changing requirements with agility and personal touch. Noren OMS is continuously being tested for stability, high scalability and low latency in mind.

This document provides details of APIs to develop Web/Mobile applications for Noren OMS.



Login and User Details

Login

Request to be POSTed to uri: /NorenWClient/QuickAuth

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list

Json Fields	Possible value	Description
apkversion*		Application version.
uid*		User Id of the login user
pwd*		Sha256 of the user entered password.
factor2*		DOB or PAN as entered by the user.
vc*		Vendor code provided by noren team, along with connection URLs
appkey*		Sha256 of uid vendor_key
imei*		Send mac if users logs in for desktop, imei is from mobile
ip_address		Optional field
source	WEB / MOB	

Example:

 $curl \ https://apitest.kambala.co.in/NorenWClient/QuickAuth \ \ -d "jData={ \ '"apkversion\": \"1.0.0\", \ '"uid\": \"VIDYA\", \"pwd\": \"31-08-2017\", \"imei\": \"134243434\", \"source\": \"MOB\"}" }$

Response Details:



Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Login Success Or failure status
susertoken		It will be present only on login success. This data to be sent in subsequent requests in jKey field and web socket connection while connecting.
lastaccesstime		It will be present only on login success.
spasswordreset	Υ	If Y Mandatory password reset to be enforced. Otherwise the field will be absent.
emsg		This will be present only if Login fails.

```
Sample Success Response :
```

"emsg": "Invalid Input: Wrong Password"

```
"request_time": "20:18:47 19-05-2020",
    "stat": "Ok",
    "susertoken": "3b97f4c67762259a9ded6dbd7bfafe2787e662b3870422ddd343a59895f423a0",
    "lastaccesstime": "1589899727"
}

Sample Failure Response:
{
    "request_time": "20:32:14 19-05-2020",
```

Logout

Request to be POSTed to uri: /NorenWClient/Logout

Request Details:

"stat": "Not_Ok",

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list



jKey*		Key Obtained on login success.
-------	--	--------------------------------

Json Fields	Possible value	Description
uid*		User Id of the login user

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Logout Success Or failure status
request_time		It will be present only on successful logout.
emsg		This will be present only if Logout fails.

Sample Success Response:

```
{
    "stat":"Ok",
    "request_time":"10:43:41 28-05-2020"
}
```

Sample Failure Response :

```
{
    "stat":"Not_Ok",
    "emsg":"Server Timeout : "
}
```

Forgot Password

Request to be POSTed to uri: /NorenWClient/ForgotPassword

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list



Json Fields	Possible value	Description
uid*		User Id
pan*		Pan of the user
dob*		Date of birth

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Password reset is Success Or failure status
request_time		Response received time.
emsg		This will be present only if password reset fails. ("Invalid User or User Details")

Sample Success Response:

```
{
    "request_time":"10:52:56 28-05-2020",
    "stat":"Ok"
}
```

Sample Failure Response :

```
{
    "request_time":"17:42:13 26-05-2020",
    "stat":"Not_Ok",
    "emsg":"Error Occurred : Wrong user id or user details"
```

Change Password

Request to be POSTed to uri: /NorenWClient/Changepwd

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list



Json Fields	Possible value	Description
uid*		User Id
oldpwd*		Sha256 of old password
pwd*		New password in plain text

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Password reset is Success Or failure status
request_time		Response received time.
dmsg		This will be present only in case of success. Number of days to expiry will be present in same.
emsg		This will be present only if password change fails

Sample Success Response:

```
{
    "request_time":"10:20:04 27-05-2020",
    "stat":"Ok",
    "dmag":"Password Change Success. Your new password will expire in 15"
}
```

Sample Failure Response :

```
{
   "request_time":"10:21:09 27-05-2020",
   "stat":"Not_Ok",
   "emsg":"Error Occurred : Password already used"
}
```

Set Device Pin

Request to be POSTed to uri: /NorenWClient/SetPin



Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		User Id
imei*		Imei or device unique fingerprint
source*		Access type (MOB / WEB / API)
dpin*		New pin in plain text

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	If Pin setting is Success Or failure status
request_time		This will be present only if password change succeeds.
emsg		This will be present only if password change fails

Sample Success Response:

```
{
    "request_time":"14:59:43 27-05-2020",
    "stat":"Ok"
}
```

Sample Failure Response :

```
{
  "stat":"Not_Ok",
  "emsg":"Session Expired : Invalid Session Key"
}
```



Login with Device Pin

Request to be POSTed to uri: /NorenWClient/PinAuth

Request Details :

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list

Json Fields	Possible value	Description
uid*		User Id
imei*		Imei or device unique fingerprint
source*		Access type (MOB / WEB / API)
dpin*		sha256 of entered device pin
VC*		Vendor code provided by noren team, along with connection URLs
appkey*		Sha256 of uid vendor_key
apkversion*		Application version number
ip_address		global Ip of internet access

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Login Success Or failure status
susertoken		It will be present only on login success. This data to be sent in subsequent requests in jKey field and web socket connection while connecting.



lastaccesstime		It will be present only on login success.
spasswordreset	Υ	If Y Mandatory password reset to be enforced. Otherwise the field will be absent.
request_time		Response received time.
emsg		This will be present only if Login fails.

Sample Success Response:

```
{
    "request_time":"17:01:45 27-05-2020",
    "stat":"Ok",
    "susertoken":"b0856b3f6c4bac657417fc95de3e2060567b8bd80665e0a8ab82bbde5c434936",
    "lastaccesstime":"1590579105"
}

Sample Failure Response :
{
    "request_time":"11:19:56 28-05-2020",
    "stat":"Not_Ok",
    "emsg":"Invalid Input : Mpin Invalid"
}
```

Get HS Token

Request to be POSTed to uri: /NorenWClient/GetHsToken

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		User Id

Response Details:



Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	If Pin setting is Success Or failure status
request_time		This will be present only if password change succeeds.
hstk		One time Token to be sent to BackOffice or third party link
emsg		This will be present only if password change fails

Validate HS Token

Request to be POSTed to uri: /NorenWClient/ValidateHsToken (To be used only from server, Call this url from Browser / Client Side APKs)

Request Details:

Parameter Name	Possible value	Description
LoginId*		Send sLoginId received from Initiator site
token*		Key Obtained on login success.

Response Details:

Response data will be in plain text format TRUE if Token is valid and FALSE for invalid User Id or Token.

User Details

Request to be POSTed to uri: /NorenWClient/UserDetails

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.



Json Fields	Possible value	Description
uid*		Logged in User Id

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	User details success or failure indication.
exarr		Json array of strings with enabled exchange names
orarr		Json array of strings with enabled price types for user
prarr		Json array of Product Obj with enabled products, as defined below.
brkname		Broker id
brnchid		Branch id
email		
actid		
uprev		Always it will be an INVESTOR, other types of user not allowed to login using this API.
request_time		It will be present only in a successful response.
emsg		This will be present only in case of errors.

Product Obj format

Json Fields	Possible value	Description
prd		Product name
s_prdt_ali		Product display name



exch	Json array of strings with enabled, allowed exchange names
	names

Sample Success Response:

```
"request_time": "20:20:04 19-05-2020",
"prarr": [
          { "prd":"C",
            "s_prdt_ali": "Delivery",
               "exch": ["NSE", "BSE"]
          },
         { "prd":"I",
            "s_prdt_ali": "Intraday",
               "exch": ["NSE", "BSE", "NFO"]
          },
          { "prd":"H",
            "s_prdt_ali": "High Leverage",
               "exch": ["NSE", "BSE", "NFO"]
         { "prd":"B",
            "s_prdt_ali": "Bracket Order",
               "exch": ["NSE", "BSE", "NFO"]
          }
],
"exarr": [
  "NSE",
  "NFO"
],
"orarr": [
  "MKT".
  "LMT",
  "SL-LMT",
  "SL-MKT",
  "DS",
  "2L".
  "3L",
  "4L"
],
"brkname": "VIDYA",
"brnchid": "VIDDU",
"email": "gururaj@gmail.com",
"actid": "GURURAJ",
```



```
"uprev": "INVESTOR",
   "stat": "Ok"

Sample Failure Response:
{
   "stat": "Not_Ok",
   "emsg": "Session Expired : Invalid Session Key"
}
```

Watch Lists

Get WatchList Names

Request to be POSTed to uri: /NorenWClient/MWList

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	MWList success or failure indication.
values		Watch List names as a json array of strings.



request_time	It will be present only in a successful response.
emsg	This will be present only in case of errors or No WatchLists are set yet.

```
Sample Success Response:
```

```
{
   "request_time": "12:34:52 21-05-2020",
   "values": [
       "default",
       "WL"
   ],
   "stat": "Ok"
}
Sample Failure Response :
{
   "stat": "Not_Ok",
   "emsg": "Session Expired : Invalid Session Key"
}
```

Get WatchList

Request to be POSTed to uri: /NorenWClient/MarketWatch

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
wlname*		Name of the Watchlist, for which scrip list is required.



Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Market watch success or failure indication.
values		Array of json objects. (object fields given in below table)
request_time		It will be present only in a successful response.
emsg		This will be present only in case of errors. That is : 1) Invalid Input : Invalid WatchList Name 2) Session Expired

Json Fields of object in values Array	Possible value	Description
exch	NSE, BSE, NFO	Exchange
tsym		Trading symbol of the scrip (contract)
token		Token of the scrip (contract)
рр		Price precision
ti		Tick size
Is		Lot size

Sample Success Response :

```
{
    "request_time": "13:25:17 21-05-2020",
    "values": [
        {
            "exch": "BSE",
            "token": "972889",
            "tsym": "915PTCIF27"
        },
```



```
{
    "exch": "NSE",
    "token": "13",
    "tsym": "ABB-EQ"
},
{
    "exch": "NSE",
    "token": "22",
    "tsym": "ACC-EQ"
}
],
    "stat": "Ok"
}
Sample Failure Response :
{
    "stat":"Not_Ok",
    "emsg":"Invalid Input : Missing uid or wlname."
}
```

Search Scrips

Request to be POSTed to uri: /NorenWClient/SearchScrip

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
stext*		Search Text
exch		Exchange (Select from 'exarr' Array provided in User Details response)

Response Details:

Response data will be in json format with below fields.



Json Fields	Possible value	Description
stat	Ok or Not_Ok	Market watch success or failure indication.
values		Array of json objects. (object fields given in below table)
emsg		This will be present only in case of errors. That is: 1) Invalid Input 2) Session Expired

Json Fields of object in values Array	Possible value	Description
exch	NSE, BSE, NFO	Exchange
tsym		Trading symbol of the scrip (contract)
token		Token of the scrip (contract)
рр		Price precision
ti		Tick size
Is		Lot size

Sample Success Response :

```
"stat": "Ok",

"values": [
{
        "exch": "NSE",
        "token": "18069",
        "tsym": "REL100NAV-EQ"
},
{
        "exch": "NSE",
        "token": "24225",
        "tsym": "RELAXO-EQ"
```



```
},
  "exch": "NSE",
  "token": "4327",
  "tsym": "RELAXOFOOT-EQ"
},
  "exch": "NSE",
  "token": "18068",
  "tsym": "RELBANKNAV-EQ"
},
  "exch": "NSE",
  "token": "2882",
  "tsym": "RELCAPITAL-EQ"
},
  "exch": "NSE",
  "token": "18070",
  "tsym": "RELCONSNAV-EQ"
},
  "exch": "NSE",
  "token": "18071",
  "tsym": "RELDIVNAV-EQ"
},
  "exch": "NSE",
  "token": "18072",
  "tsym": "RELGOLDNAV-EQ"
},
  "exch": "NSE",
  "token": "2885",
  "tsym": "RELIANCE-EQ"
},
  "exch": "NSE",
  "token": "15068",
  "tsym": "RELIGARE-EQ"
},
  "exch": "NSE",
```



```
"token": "553",
    "tsym": "RELINFRA-EQ"
},
{
    "exch": "NSE",
    "token": "18074",
    "tsym": "RELNV20NAV-EQ"
}
]

Sample Failure Response:
{
    "stat":"Not_Ok",
    "emsg":"No Data: "
}
```

Add Scrip to Watch List

Request to be POSTed to uri: /NorenWClient/AddMultiScripsToMW

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
wlname*		Name of the Watchlist, for which scrip list is required.
scrips*		List of scrips, example format NSE 22#BSE 506734

Response Details:

Response data will be in json format with below fields.



Json Fields	Possible value	Description
stat	Ok or Not_Ok	Watch list update success or failure indication.
request_time		It will be present only in a successful response.
emsg		This will be present only in case of errors. That is: 1) Invalid Input 2) Session Expired

```
Sample Success Response:
```

```
{
    "request_time": "13:50:40 21-05-2020",
    "stat": "Ok"
}
Sample Failure Response :
{
    "stat":"Not_Ok",
    "emsg":"Session Expired : Invalid Session Key"
}
```

Delete Scrip to Watch List

Request to be POSTed to uri: /NorenWClient/DeleteMultiMWScrips

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
wlname*		Name of the Watchlist, for which scrip list is required.
scrips*		List of scrips, example format NSE 22#BSE 506734



Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Watch list update success or failure indication.
request_time		It will be present only in a successful response.
emsg		This will be present only in case of errors. That is: 1) Invalid Input 2) Session Expired

Sample Success Response:

```
{
    "request_time": "13:50:40 21-05-2020",
    "stat": "Ok"
}
Sample Failure Response :
{
    "stat":"Not_Ok",
    "emsg":"Invalid Input : Missing uid or wlname or scrips."
}
```

Get SecurityInfo

Request to be POSTed to uri: /NorenWClient/GetSecurityInfo

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields Possible value Description	1
--	---



uid*	Logged in User Id
exch	Exchange
token	Contract Token

Example:

jData={"uid":"{{USER_ID}}", "exch":"NSE",

"token":"22"}&jKey=c180c60ec8f7870490ec27f4accdba179a149a5e5b1d503a0682d8b72acb24b3

Response Details:

Response data will have below fields.

Json Fields	Possible value	Description
request_time		It will be present only in a successful response.
stat	Ok or Not_Ok	Market watch success or failure indication.
exch	NSE, BSE, NFO	Exchange
tsym		Trading Symbol
cname		Company Name
symnam		Symbol Name
seg		Segment
exd		Expiry Date
instname		Intrument Name
strprc		Strike Price
optt		Option Type
isin		ISIN
ti		Tick Size



Lot Size ls pp Price precision mult Multiplier gn/gd * pn/pd gp_nd Price Units prcunt Price Quote Qty prcqqty Trade Units trdunt delunt **Delivery Units** Freeze Qty frzqty gsmind scripupdate Gsm Ind elmbmrg Elm Buy Margin elmsmrg Elm Sell Margin addbmrg Additional Long Margin addsmrg Additional Short Margin Special Long Margin splbmrg Special Short Margin splsmrg **Delivery Margin** delmrg tenmrg Tender Margin Tender Start Date tenstrd tenendd Tender End Eate **Exercise Start Date** exestrd exeendd Exercise End Date Elm Margin elmmrg varmrg Var Margin Exposure Margin expmrg



token	Contract Token
prcftr_d	((GN / GD) * (PN/PD))

```
Sample Success Response :
   "request_time": "17:43:38 31-10-2020",
    "stat": "Ok",
    "exch": "NSE",
    "tsym": "ACC-EQ",
    "cname": "ACC LIMITED",
    "symname": "ACC",
    "seg": "EQT",
    "instname": "EQ",
    "isin": "INE012A01025",
    "pp": "2",
    "ls": "1",
    "ti": "0.05",
    "mult": "1",
    "prcftr_d": "(1 / 1 ) * (1 / 1)",
    "trdunt": "ACC.BO",
    "delunt": "ACC",
    "token": "22",
    "varmrg": "40.00"
}
Sample Failure Response :
    "stat":"Not_Ok",
    "request_time":"10:50:54 10-12-2020",
    "emsg":"Error Occurred : 5 \"no data\""
```

Order and Trades

Place Order

}

Request to be POSTed to uri: /NorenWClient/PlaceOrder



 Parameter Name
 Possible value
 Description

 jData*
 Should send json object with fields in below list

 jKey*
 Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Login users account ID
exch*	NSE / NFO / BSE / MCX	Exchange (Select from 'exarr' Array provided in User Details response)
tsym*		Unique id of contract on which order to be placed.
qty*		Order Quantity
prc*		Order Price
trgprc		Only to be sent in case of SL / SL-M order.
dscqty		Disclosed quantity (Max 10% for NSE, and 50% for MCX)
prd*	C/M/H	Product name (Select from 'prarr' Array provided in User Details response, and if same is allowed for selected, exchange. Show product display name, for user to select, and send corresponding prd in API call)
trantype*	B/S	B -> BUY, S -> SELL
prctyp*	LMT / MKT / SL-LMT / SL-MKT / DS / 2L / 3L	
ret*	DAY / EOS / IOC	Retention type (Show options as per allowed exchanges)
remarks		Any tag by user to mark order.
ordersource	MOB / WEB / TT	Used to generate exchange info fields.
bpprc		Book Profit Price applicable only if product is selected as B (Bracket order)
blprc		Book loss Price applicable only if product is selected as H



and B (High Leverage and Bracket order)
Trailing Price applicable only if product is selected as H and B (High Leverage and Bracket order)
Yes , If not sent, of Not "Yes", will be treated as Regular order.
Trading symbol of second leg, mandatory for price type 2L and 3L
Transaction type of second leg, mandatory for price type 2L and 3L
Quantity for second leg, mandatory for price type 2L and 3L
Price for second leg, mandatory for price type 2L and 3L
Trading symbol of third leg, mandatory for price type 3L
Transaction type of third leg, mandatory for price type 3L
Quantity for third leg, mandatory for price type 3L
Price for third leg, mandatory for price type 3L

Example:

curl https://apitest.kambala.co.in/NorenWClient/PlaceOrder \
 -d "jData={\"uid\":\"VIDYA\", \"actid\":\"CLIENT1\", \"exch\":\"NSE\", \"tsym\":\"ACC-EQ\",
\"qty\":\"50\", \"price\":\"1400\", \"prd\":\"H\", \"trantype\":\"B\", \"prctyp\":\"LMT\", \"ret\":\"DAY\"}"\
 -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Place order success or failure indication.
request_time		Response received time.



norenordno	It will be present only on successful Order placement to OMS.
emsg	This will be present only if Order placement fails

Sample Success Response:

```
{
    "request_time": "10:48:03 20-05-2020",
    "stat": "Ok",
    "norenordno": "20052000000017"
}

Sample Error Response :
{
    "stat": "Not_Ok",
    "request_time": "20:40:01 19-05-2020",
    "emsg": "Error Occurred : 2 \"invalid input\""
}
```

Modify Order

Request to be POSTed to uri: /NorenWClient/ModifyOrder

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
exch*		Exchange
norenordno*		Noren order number, which needs to be modified
prctyp	LMT / MKT / SL-MKT / SL-LMT	This can be modified.
prc		Modified / New price



qty		Modified / New Quantity
tsym*		Unque id of contract on which order was placed. Can't be modified, must be the same as that of original order.
ret	DAY / IOC / EOS	New Retention type of the order
trgprc		New trigger price in case of SL-MKT or SL-LMT
uid*		User id of the logged in user.
bpprc		Book Profit Price applicable only if product is selected as B (Bracket order)
blprc		Book loss Price applicable only if product is selected as H and B (High Leverage and Bracket order)
trailprc		Trailing Price applicable only if product is selected as H and B (High Leverage and Bracket order)

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Modify order success or failure indication.
result		Noren Order number of the order modified.
request_time		Response received time.
emsg		This will be present only if Order modification fails

Sample Success Response:

```
{
    "request_time":"14:14:08 26-05-2020",
    "stat":"Ok",
    "result":"20052600000103"
}
```

Sample Failure Response :

```
.
"request_time":"16:03:29 28-05-2020",
```



```
"stat":"Not_Ok",
"emsg":"Rejected : ORA:Order not found"
}
```

Cancel Order

Request to be POSTed to uri: /NorenWClient/CancelOrder

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
norenordno*		Noren order number, which needs to be modified
uid*		User id of the logged in user.

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Cancel order success or failure indication.
result		Noren Order number of the canceled order.
request_time		Response received time.
emsg		This will be present only if Order cancelation fails

Sample Success Response:

```
{
    "request_time":"14:14:10 26-05-2020",
    "stat":"Ok",
    "result":"20052600000103"
```



Sample Failure Response :

```
{
  "request_time":"16:01:48 28-05-2020",
  "stat":"Not_Ok",
  "emsg":"Rejected : ORA:Order not found to Cancel"
}
```

Exit SNO Order

Request to be POSTed to uri: /NorenWClient/ExitSNOOrder

Request Details :

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
norenordno*		Noren order number, which needs to be modified
prd*	H/B	Allowed for only H and B products (Cover order and bracket order)
uid*		User id of the logged in user.

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Cancel order success or failure indication.
dmsg		Display message, (will be present only in case of success).
request_time		Response received time.
emsg		This will be present only if Order cancelation fails



Order Margin

Request to be POSTed to uri: /NorenWClient/GetOrderMargin

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Login users account ID
exch*	NSE / NFO / BSE / MCX	Exchange (Select from 'exarr' Array provided in User Details response)
tsym*		Unique id of contract on which order to be placed.
qty*		Order Quantity
prc*		Order Price
trgprc		Only to be sent in case of SL / SL-M order.
prd*	C/M/H	Product name (Select from 'prarr' Array provided in User Details response, and if same is allowed for selected, exchange. Show product display name, for user to select, and send corresponding prd in API call)
trantype*	B/S	B -> BUY, S -> SELL
prctyp*	LMT / MKT / SL-LMT / SL-MKT	
blprc		Book loss Price applicable only if product is selected as H and B (High Leverage and Bracket order)



rorgqty

Optional field. Application only for modify order, open order quantity

fillshares

Optional field. Application only for modify order, quantity already filled.

rorgprc

Optional field. Application only for modify order, open order price

Optional field. Application only for modify order, open order trigger price

Optional field. Application only for H or B order modification

Snonum

Optional field. Application only for H or B order modification

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Place order success or failure indication.
request_time		Response received time.
remarks		This field will be available only on success.
cash		Total credits available for order
marginused		Total margin used.
emsg		This will be present only if Order placement fails

Order Book

Request to be POSTed to uri: /NorenWClient/OrderBook

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list

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Json Fields	Possible value	Description
uid*		Logged in User Id
prd	H/M/	Product name

Example:

curl https://apitest.kambala.co.in/NorenWClient/OrderBook \

- -d "jData={\"uid\":\"VIDYA\"}" \
- -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json Array of objects with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Order book success or failure indication.
exch		Exchange Segment
tsym		Trading symbol / contract on which order is placed.
norenordno		Noren Order Number
prc		Order Price
qty		Order Quantity
prd		Display product alias name, using prarr returned in user details.
status		Order status
trantype	B/S	Transaction type of the order
prctyp	LMT / MKT	Price type
fillshares		Total Traded Quantity of this order
avgprc		Average trade price of total traded quantity

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rejreason If order is rejected, reason in text form exchordid Exchange Order Number Canceled quantity for order which is in status cancelled. cancelqty remarks Any message Entered during order entry. Order disclosed quantity. dscqty trgprc Order trigger price DAY / IOC / Order validity ret EOS uid actid bpprc Book Profit Price applicable only if product is selected as B (Bracket order) blprc Book loss Price applicable only if product is selected as H and B (High Leverage and Bracket order) Trailing Price applicable only if product is selected as H and trailprc B (High Leverage and Bracket order) Yes / No amo pp Price precision Tick size ti ls Lot size token Contract Token orddttm ordenttm extm

Response data will be in json format with below fields in case of failure:

Json Fields Possible	Description
----------------------	-------------



	value	
stat	Not_Ok	Order book failure indication.
request_time		Response received time.
emsg		Error message

Sample Success Output:

```
Success response:
   {
        "stat": "Ok",
        "exch": "NSE",
        "tsym": "ACC-EQ",
        "norenordno": "20062500000001223",
         "prc": "127230",
         "qty": "100",
         "prd": "C",
        "status": "Open",
         "trantype": "B",
         "prctyp": "LMT",
         "fillshares": "0",
         "avgprc": "0",
        "exchordid": "25062000000343421",
         "uid": "VIDYA",
         "actid": "CLIENT1",
         "ret": "DAY",
         "amo" : "Yes"
  },
        "stat": "Ok",
        "exch": "NSE",
        "tsym": "ABB-EQ",
        "norenordno": "20062500000002543",
         "prc": "127830",
         "qty": "50",
         "prd": "C",
        "status": "REJECT",
        "trantype": "B",
        "prctyp": "LMT",
        "fillshares": "0",
        "avgprc": "0",
        "rejreason": "Insufficient funds"
        "uid": "VIDYA",
        "actid": "CLIENT1",
        "ret": "DAY",
```



```
"amo": "No"
}

Sample Failure Response:
{
    "stat":"Not_Ok",
    "emsg":"Session Expired : Invalid Session Key"
}
```

Multi Leg Order Book

Request to be POSTed to uri: /NorenWClient/MultiLegOrderBook

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
prd	H/M/	Product name

Example:

curl https://apitest.kambala.co.in/NorenWClient/MultiLegOrderBook \

- -d "jData={\"uid\":\"VIDYA\"}" \
- -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json Array of objects with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Order book success or failure indication.
exch		Exchange Segment



tsym Trading symbol / contract on which order is placed. norenordno Noren Order Number Order Price prc Order Quantity qty Display product alias name, using prarr returned in user prd details. status Order status trantype B/S Transaction type of the order LMT / MKT Price type prctyp fillshares Total Traded Quantity of this order avgprc Average trade price of total traded quantity rejreason If order is rejected, reason in text form exchordid Exchange Order Number cancelqty Canceled quantity for order which is in status cancelled. remarks Any message Entered during order entry. dscqty Order disclosed quantity. Order trigger price trgprc ret DAY / IOC / Order validity **EOS** uid actid bpprc Book Profit Price applicable only if product is selected as B (Bracket order) Book loss Price applicable only if product is selected as H blprc and B (High Leverage and Bracket order) Trailing Price applicable only if product is selected as H and trailprc B (High Leverage and Bracket order)



Yes / No amo Price precision pp ti Tick size ls Lot size Trading symbol of second leg, mandatory for price type 2L tsym2 and 3L Transaction type of second leg, mandatory for price type 2L trantype2 and 3L Quantity for second leg, mandatory for price type 2L and 3L qty2 prc2 Price for second leg, mandatory for price type 2L and 3L Trading symbol of third leg, mandatory for price type 3L tsym3 trantype3 Transaction type of third leg, mandatory for price type 3L qty3 Quantity for third leg, mandatory for price type 3L prc3 Price for third leg, mandatory for price type 3L fillshares2 Total Traded Quantity of 2nd Leg avgprc2 Average trade price of total traded quantity for 2nd leg fillshares3 Total Traded Quantity of 3rd Leg avgprc3 Average trade price of total traded quantity for 3rd leg

Response data will be in json format with below fields in case of failure:

Json Fields	Possible value	Description
stat	Not_Ok	Order book failure indication.
request_time		Response received time.
emsg		Error message



Single Order History

Request to be POSTed to uri: /NorenWClient/SingleOrdHist

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
norenordno*		Noren Order Number

Example:

curl https://apitest.kambala.co.in/NorenWClient/SingleOrdHist \

- -d "jData={\"uid\":\"VIDYA\"}" \
- -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json Array of objects with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Order book success or failure indication.
exch		Exchange Segment
tsym		Trading symbol / contract on which order is placed.
norenordno		Noren Order Number
prc		Order Price
qty		Order Quantity
prd		Display product alias name, using prarr returned in user



details. status Order status Report Type (fill/complete etc) rpt B/S Transaction type of the order trantype LMT / MKT Price type prctyp Total Traded Quantity of this order fillshares Average trade price of total traded quantity avgprc rejreason If order is rejected, reason in text form exchordid **Exchange Order Number** cancelqty Canceled quantity for order which is in status cancelled. remarks Any message Entered during order entry. dscqty Order disclosed quantity. Order trigger price trgprc ret DAY / IOC / Order validity EOS uid actid bpprc Book Profit Price applicable only if product is selected as B (Bracket order) blprc Book loss Price applicable only if product is selected as H and B (High Leverage and Bracket order) Trailing Price applicable only if product is selected as H and trailprc B (High Leverage and Bracket order) Yes / No amo Price precision pp ti Tick size



Is	Lot size
token	Contract Token
orddttm	
ordenttm	
extm	

Response data will be in json format with below fields in case of failure:

Json Fields	Possible value	Description
stat	Not_Ok	Order book failure indication.
request_time		Response received time.
emsg		Error message

Sample Success Output:

```
[
   {
      "stat": "Ok",
       "norenordno": "20121300065716",
       "uid": "DEMO1",
       "actid": "DEMO1",
       "exch": "NSE",
       "tsym": "ACCELYA-EQ",
       "qty": "180",
       "trantype": "B",
       "prctyp": "LMT",
       "ret": "DAY",
       "token": "7053",
       "pp": "2",
       "ls": "1",
       "ti": "0.05",
       "prc": "800.00",
```



```
"avgprc": "800.00",
    "discqty": "0",
    "prd": "M",
    "status": "COMPLETE",
    "rpt": "Fill",
    "fillshares": "180",
    "norentm": "19:59:32 13-12-2020",
    "exch tm": "00:00:00 01-01-1980",
    "remarks": "WC TEST Order",
    "exchordid": "6858"
},
    "stat": "Ok",
    "norenordno": "20121300065716",
    "uid": "DEMO1",
    "actid": "DEMO1",
    "exch": "NSE",
    "tsym": "ACCELYA-EQ",
    "qty": "180",
    "trantype": "B",
    "prctyp": "LMT",
    "ret": "DAY",
    "token": "7053",
    "pp": "2",
    "ls": "1",
    "ti": "0.05",
    "prc": "800.00",
    "discaty": "0",
    "prd": "M",
    "status": "OPEN",
    "rpt": "New",
    "norentm": "19:59:32 13-12-2020",
    "exch tm": "00:00:00 01-01-1980",
    "remarks": "WC TEST Order",
    "exchordid": "6858"
},
{
```



```
"stat": "Ok",
    "norenordno": "20121300065716",
    "uid": "DEMO1",
    "actid": "DEMO1",
    "exch": "NSE",
    "tsym": "ACCELYA-EQ",
    "qty": "180",
    "trantype": "B",
    "prctyp": "LMT",
    "ret": "DAY",
    "token": "7053",
    "pp": "2",
    "ls": "1",
    "ti": "0.05",
    "prc": "800.00",
    "discaty": "0",
    "prd": "M",
    "status": "PENDING",
    "rpt": "PendingNew",
    "norentm": "19:59:32 13-12-2020",
    "remarks": "WC TEST Order"
},
{
    "stat": "Ok",
    "norenordno": "20121300065716",
    "uid": "DEMO1",
    "actid": "DEMO1",
    "exch": "NSE",
    "tsym": "ACCELYA-EQ",
    "qty": "180",
    "trantype": "B",
    "prctyp": "LMT",
    "ret": "DAY",
    "token": "7053",
    "pp": "2",
    "ls": "1",
    "ti": "0.05",
```



```
"prc": "800.00",
    "prd": "M",
    "status": "PENDING",
    "rpt": "NewAck",
    "norentm": "19:59:32 13-12-2020",
    "remarks": "WC TEST Order"
}
```

Trade Book

Request to be POSTed to uri: /NorenWClient/TradeBook

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Account Id of logged in user

Example:

curl https://apitest.kambala.co.in/NorenWClient/TradeBook \

- -d "jData={\"uid\":\"VIDYA\", \"actid\":\"DEMO1\"}" \
- -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json Array of objects with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Order book success or failure indication.



exch		Exchange Segment
tsym		Trading symbol / contract on which order is placed.
norenordno		Noren Order Number
qty		Order Quantity
prd		Display product alias name, using prarr returned in user details.
trantype	B/S	Transaction type of the order
prctyp	LMT / MKT	Price type
fillshares		Total Traded Quantity of this order
avgprc		Average trade price of total traded quantity
exchordid		Exchange Order Number
remarks		Any message Entered during order entry.
ret	DAY / IOC / EOS	Order validity
uid		
actid		
рр		Price precision
ti		Tick size
Is		Lot size
cstFrm		Custom Firm
fltm		Fill Time
flid		Fill ID
flqty		Fill Qty
flprc		Fill Price
ordersource		Order Source



token	Token

Response data will be in json format with below fields in case of failure:

Json Fields	Possible value	Description
stat	Not_Ok	Order book failure indication.
request_time		Response received time.
emsg		Error message

Sample Success Output:

```
[
  {
       "stat": "Ok",
       "norenordno": "20121300065715",
       "uid": "GURURAJ",
       "actid": "GURURAJ",
       "exch": "NSE",
       "prctyp": "LMT",
       "ret": "DAY",
       "prd": "M",
       "flid": "102",
       "fltm": "01-01-1980 00:00:00",
       "trantype": "S",
       "tsym": "ACCELYA-EQ",
       "qty": "180",
       "token": "7053",
       "fillshares": "180",
       "flqty": "180",
       "pp": "2",
       "ls": "1",
       "ti": "0.05",
       "prc": "800.00",
       "flprc": "800.00",
```



```
"norentm": "19:59:32 13-12-2020",
    "exch tm": "00:00:00 01-01-1980",
    "remarks": "WC TEST Order",
    "exchordid": "6857"
},
    "stat": "Ok",
    "norenordno": "20121300065716",
    "uid": "GURURAJ",
    "actid": "GURURAJ",
    "exch": "NSE",
    "prctyp": "LMT",
    "ret": "DAY",
    "prd": "M",
    "flid": "101",
    "fltm": "01-01-1980 00:00:00",
    "trantype": "B",
    "tsym": "ACCELYA-EQ",
    "qty": "180",
    "token": "7053",
    "fillshares": "180",
    "flqty": "180",
    "pp": "2",
    "ls": "1",
    "ti": "0.05",
    "prc": "800.00",
    "flprc": "800.00",
    "norentm": "19:59:32 13-12-2020",
    "exch_tm": "00:00:00 01-01-1980",
    "remarks": "WC TEST Order",
    "exchordid": "6858"
```



Exch Msg

Request to be POSTed to uri: /NorenWClient/ExchMsg

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
exch		Exchange (Select from 'exarr' Array provided in User Details response)

Example:

curl https://apitest.kambala.co.in/NorenWClient/ExchMsg \

-d "jData={\"uid\":\"VIDYA\"}" \

-d "jKey=NSE"

Response Details:

Response data will be in json format with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok	Whi Exch Msg success or failure indication.
exchmsg		It will be present only in a successful response.
exchtm		Exchange Time

Response data will be in json format with below fields in case of failure:

Json Fields Possible De	escription
-------------------------	------------



	value	
stat	Not_Ok	Order book failure indication.
request_time		Response received time.
emsg		Error message

Order Margin

Request to be POSTed to uri: /NorenWClient/OrderMargin

Request Details :

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
actid*		Login users account ID
exch*	NSE / NFO / BSE / MCX	Exchange (Select from 'exarr' Array provided in User Details response)
qty*		Order Quantity
prc*		Order Price
trgprc		Only to be sent in case of SL / SL-M order.
prd*	C/M/H	Product name (Select from 'prarr' Array provided in User Details response, and if same is allowed for selected, exchange. Show product display name, for user to select, and send corresponding prd in API call)
trantype*	B/S	B -> BUY, S -> SELL



prctyp*	LMT / MKT / SL-LMT / SL-MKT / DS / 2L / 3L	
orgqty		Org Quantity
orgprc		Org Price
token		Unique id of contract on which order to be placed.
flqty		Fill Quantity
srcuid		Source User ID
srcbkrid		Source Broker ID

Example:

curl https://apitest.kambala.co.in/NorenWClient/PlaceOrder \

 $-d "jData={ \"actid\":\"CLIENT1\", \"exch\":\"NSE\", \"qty\":\"50\", \"price\":\"1400\", \"prd\":\"H\", \"trantype\":\"B\", \"prctyp\":\"LMT\", \"orgqty\":\"50\", \"orgprc\":\"50\",\"token\":\"50\"}" \$

-d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Place order success or failure indication.
request_time		Response received time.
remarks	Insufficient Balance/ Order Success/ Invalid scrip, RED is under Reconciliation/ Squareoff Order	Any message Entered during order entry.



cash	optional	Total Cash
marginused	optional	Margin Used

Positions Book

Request to be POSTed to uri: /NorenWClient/PositionBook

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Account id of the logged in user.

Example:

curl https://apitest.kambala.co.in/NorenWClient/PositionBook \

- -d "jData={\"uid\":\"VIDYA\", \"actid\":\"ACCT_1\"}" \
- -d "jKey=GHUDWU53H32MTHPA536Q32WR"

Response Details:

Response data will be in json format with Array of Objects with below fields in case of success.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Position book success or failure indication.
exch		Exchange segment



tsym	Trading symbol / contract.
token	Contract token
uid	User Id
actid	Account Id
prd	Product name to be shown.
netqty	Net Position quantity
netavgprc	Net position average price
daybuyqty	Day Buy Quantity
daysellqty	Day Sell Quantity
daybuyavgprc	Day Buy average price
daysellavgprc	Day buy average price
daybuyamt	Day Buy Amount
daysellamt	Day Sell Amount
cfbuyqty	Carry Forward Buy Quantity
cforgavgprc	Original Avg Price
cfsellqty	Carry Forward Sell Quantity
cfbuyavgprc	Carry Forward Buy average price
cfsellavgprc	Carry Forward Buy average price
cfbuyamt	Carry Forward Buy Amount
cfsellamt	Carry Forward Sell Amount
lp	LTP
rpnl	RealizedPNL
urmtom	UnrealizedMTOM. (Can be recalculated in LTP update : = netqty * (lp from web socket - netavgprc) * prcftr



bep	Break even price
openbuyqty	
opensellqty	
openbuyamt	
opensellamt	
openbuyavgprc	
opensellavgprc	
mult	
рр	
prcftr	gn*pn/(gd*pd).
ti	Tick size
Is	Lot size
request_time	This will be present only in a failure response.

Response data will be in json format with below fields in case of failure:

Json Fields	Possible value	Description
stat	Not_Ok	Position book request failure indication.
request_time		Response received time.
emsg		Error message

Sample Success Response :



```
"tsym":"ACC-EQ",
         "prarr":"C",
         "pp":"2",
         "ls":"1",
         "ti":"5.00",
         "mult":"1",
         "prcftr":"1.000000",
         "daybuyqty":"2",
         "daysellqty":"2",
         "daybuyamt":"2610.00",
         "daybuyavgprc":"1305.00",
         "daysellamt":"2610.00",
         "daysellavgprc": "1305.00",
         "cfbuyqty":"0",
         "cfsellqty":"0",
         "cfbuyamt":"0.00",
         "cfbuyavgprc":"0.00",
         "cfsellamt": "0.00",
         "cfsellavgprc": "0.00",
         "openbuyqty":"0",
         "opensellqty": "23",
         "openbuyamt":"0.00",
         "openbuyavgprc": "0.00",
         "opensellamt": "30015.00",
         "opensellavgprc":"1305.00",
         "netqty":"0",
         "netavgprc":"0.00",
         "lp":"0.00",
         "urmtom":"0.00",
         "rpnl":"0.00",
         "cforgavgprc":"0.00"
  }
]
Sample Failure Response :
  "stat":"Not_Ok",
  "request_time":"14:14:11 26-05-2020",
  "emsg":"Error Occurred : 5 \"no data\""
}
```

Product Conversion

Request to be POSTed to uri: /NorenWClient/ProductConversion

Request Details:



Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
exch*		Exchange
tsym*		Unique id of contract on which order was placed. Can't be modified, must be the same as that of original order.
qty*		Quantity to be converted.
uid*		User id of the logged in user.
actid*		Account id
prd*		Product to which the user wants to convert position.
prevprd*		Original product of the position.
trantype*		Transaction type
postype*	Day / CF	Converting Day or Carry forward position
ordersource	МОВ	For Logging

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Position conversion success or failure indication.
emsg		This will be present only if Position conversion fails.

Sample Success Response :

"request_time":"10:52:12 02-06-2020",



```
"stat":"Ok"
}

Sample Failure Response:
{
    "stat":"Not_Ok",
    "emsg":"Invalid Input: Invalid Position Type"
}
```

Holdings and Limits

Holdings

Request to be POSTed to uri: /NorenWClient/Holdings

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Account id of the logged in user.
prd*		Product name

Response Details:

Response data will be in json format with below fields in case of Success:

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Holding request success or failure indication.
exch_tsym		Array of objects exch_tsym objects as defined below.
holdqty		Holding quantity



colqty	Collateral quantity
btstqty	BTST quantity
btstcolqty	BTST Collateral quantity
usedqty	Holding used today
upldprc	Average price uploaded along with holdings

Exch_tsym object:

Json Fields of object in values Array	Possible value	Description
exch	NSE, BSE, NFO	Exchange
tsym		Trading symbol of the scrip (contract)
token		Token of the scrip (contract)
рр		Price precision
ti		Tick size
Is		Lot size

Response data will be in json format with below fields in case of failure:

Json Fields	Possible value	Description
stat	Not_Ok	Position book request failure indication.
request_time		Response received time.
emsg		Error message

Sample Success Response :



```
"exch":"NSE",
                           "token":"13",
                                "tsym":"ABB-EQ"
                       ],
       "holdqty":"2000000",
       "colqty":"200",
       "btstqty":"0",
       "btstcolqty":"0",
       "usedqty":"0",
       "upldprc": "1800.00"
   },
   {
         "stat":"Ok",
         "exch_tsym":[
                                 "exch":"NSE",
                                 "token":"22",
                                 "tsym":"ACC-EQ"
                            }
                       ],
         "holdqty":"2000000",
         "colqty":"200",
         "btstqty":"0",
         "btstcolqty":"0",
         "usedqty":"0",
         "upldprc": "1400.00"
    }
]
Sample Failure Response :
 "stat":"Not_Ok",
 "emsg":"Invalid Input: Missing uid or actid or prd."
}
```

Limits

Request to be POSTed to uri: /NorenWClient/Limits

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list



jKey*	Key Obtained on login success.
-------	--------------------------------

Json Fields	Possible value	Description
uid*		Logged in User Id
actid*		Account id of the logged in user.
prd		Product name
seg	CM / FO / FX	Segment
exch		Exchange

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description	
stat	Ok or Not_Ok	Limits request success or failure indication.	
actid		Account id	
prd		Product name	
seg	CM / FO / FX	Segment	
exch		Exchange	
	Cash Primary Fields		
cash		Cash Margin available	
payin		Total Amount transferred using Payins today	
payout		Total amount requested for withdrawal today	
Cash Additional Fields			
brkcollamt		Prevalued Collateral Amount	
unclearedcash		Uncleared Cash (Payin through cheques)	
daycash		Additional leverage amount / Amount added to handle	

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system errors - by broker. ------Margin Utilized-----marginused Total margin / fund used today mtomcurper Mtom current percentage ------Margin Used components-----cbu CAC Buy used **CAC Sell Credits** CSC rpnl Current realized PNL unmtom Current unrealized mtom Covered Product margins marprt Span used span Exposure margin expo Premium used premium varelm Var Elm Margin Gross Exposure grexpo greexpo_d Gross Exposure derivative scripbskmar Scrip basket margin addscripbskmrg Additional scrip basket margin brokerage Brokerage amount collateral Collateral calculated based on uploaded holdings grcoll Valuation of uploaded holding pre haircut ------Additional Risk Limits-----turnoverlmt pendordvallmt ------Additional Risk Indicators-----



turnover		Turnover
pendordval		Pending Order value
	Margin used deta	iled breakup fields
rzpnl_e_i		Current realized PNL (Equity Intraday)
rzpnl_e_m		Current realized PNL (Equity Margin)
rzpnl_e_c		Current realized PNL (Equity Cash n Carry)
rzpnl_d_i		Current realized PNL (Derivative Intraday)
rzpnl_d_m		Current realized PNL (Derivative Margin)
rzpnl_f_i		Current realized PNL (FX Intraday)
rzpnl_f_m		Current realized PNL (FX Margin)
rzpnl_c_i		Current realized PNL (Commodity Intraday)
rzpnl_c_m		Current realized PNL (Commodity Margin)
uzpnl_e_i		Current unrealized MTOM (Equity Intraday)
uzpnl_e_m		Current unrealized MTOM (Equity Margin)
uzpnl_e_c		Current unrealized MTOM (Equity Cash n Carry)
uzpnl_d_i		Current unrealized MTOM (Derivative Intraday)
uzpnl_d_m		Current unrealized MTOM (Derivative Margin)
uzpnl_f_i		Current unrealized MTOM (FX Intraday)
uzpnl_f_m		Current unrealized MTOM (FX Margin)
uzpnl_c_i		Current unrealized MTOM (Commodity Intraday)
uzpnl_c_m		Current unrealized MTOM (Commodity Margin)
span_d_i		Span Margin (Derivative Intraday)
span_d_m		Span Margin (Derivative Margin)
span_f_i		Span Margin (FX Intraday)
span_f_m		Span Margin (FX Margin)



span_c_i	Span Margin (Commodity Intraday)
span_c_m	Span Margin (Commodity Margin)
expo_d_i	Exposure Margin (Derivative Intraday)
expo_d_m	Exposure Margin (Derivative Margin)
expo_f_i	Exposure Margin (FX Intraday)
expo_f_m	Exposure Margin (FX Margin)
expo_c_i	Exposure Margin (Commodity Intraday)
expo_c_m	Exposure Margin (Commodity Margin)
premium_d_i	Option premium (Derivative Intraday)
premium_d_m	Option premium (Derivative Margin)
premium_f_i	Option premium (FX Intraday)
premium_f_m	Option premium (FX Margin)
premium_c_i	Option premium (Commodity Intraday)
premium_c_m	Option premium (Commodity Margin)
varelm_e_i	Var Elm (Equity Intraday)
varelm_e_m	Var Elm (Equity Margin)
varelm_e_c	Var Elm (Equity Cash n Carry)
marprt_e_h	Covered Product margins (Equity High leverage)
marprt_e_b	Covered Product margins (Equity Bracket Order)
marprt_d_h	Covered Product margins (Derivative High leverage)
marprt_d_b	Covered Product margins (Derivative Bracket Order)
marprt_f_h	Covered Product margins (FX High leverage)
marprt_f_b	Covered Product margins (FX Bracket Order)
marprt_c_h	Covered Product margins (Commodity High leverage)
marprt_c_b	Covered Product margins (Commodity Bracket Order)



scripbskmar e i Scrip basket margin (Equity Intraday) scripbskmar_e_m Scrip basket margin (Equity Margin) scripbskmar_e_c Scrip basket margin (Equity Cash n Carry) Additional scrip basket margin (Derivative Intraday) addscripbskmrg_ d i addscripbskmrg_ Additional scrip basket margin (Derivative Margin) d m addscripbskmrg_f Additional scrip basket margin (FX Intraday) addscripbskmrg_f Additional scrip basket margin (FX Margin) addscripbskmrg_ Additional scrip basket margin (Commodity Intraday) сi addscripbskmrg_ Additional scrip basket margin (Commodity Margin) c_m brkage_e_i Brokerage (Equity Intraday) Brokerage (Equity Margin) brkage_e_m brkage_e_c Brokerage (Equity CAC) Brokerage (Equity High Leverage) brkage_e_h brkage_e_b Brokerage (Equity Bracket Order) brkage_d_i Brokerage (Derivative Intraday) brkage_d_m Brokerage (Derivative Margin) brkage_d_h Brokerage (Derivative High Leverage) brkage_d_b Brokerage (Derivative Bracket Order) brkage_f_i Brokerage (FX Intraday) brkage_f_m Brokerage (FX Margin) Brokerage (FX High Leverage) brkage_f_h



brkage_f_b	Brokerage (FX Bracket Order)
brkage_c_i	Brokerage (Commodity Intraday)
brkage_c_m	Brokerage (Commodity Margin)
brkage_c_h	Brokerage (Commodity High Leverage)
brkage_c_b	Brokerage (Commodity Bracket Order)
request_time	This will be present only in a successful response.
emsg	This will be present only in a failure response.

Sample Success Response:

```
"request_time":"18:07:31 29-05-2020",
  "stat":"Ok",
  "cash":"15000000000000000.00",
  "payin":"0.00",
  "payout":"0.00",
  "brkcollamt":"0.00",
  "unclearedcash": "0.00",
  "daycash":"0.00",
  "turnoverlmt":"500000000000000.00",
  "pendordvallmt":"20000000000000000.00",
  "turnover":"3915000.00",
  "pendordval":"2871000.00",
  "marginused": "3945540.00",
  "mtomcurper":"0.00",
  "urmtom": "30540.00",
  "grexpo":"3915000.00",
  "uzpnl_e_i":"15270.00",
  "uzpnl_e_m":"61080.00",
  "uzpnl_e_c":"-45810.00"
Sample Failure Response:
 "stat":"Not_Ok",
 "emsg":"Server Timeout: "
```



Market Info

Get Index List

Request to be POSTed to uri: /NorenWClient/GetIndexList

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
exch*		Exchange

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	TopListNames success or failure indication.
values		Array Of Basket, Criteria pair.
request_time		This will be present only in a successful response.
emsg		This will be present only in case of errors.

Basket, Criteria pair Object :

Json Fields Po	ossible value	Description
----------------	---------------	-------------



idxname	Index Name
token	Index token used to subscribe

Sample Output:

```
"request_time": "20:12:29 13-12-2020",
"values": [
    {
        "idxname": "HangSeng BeES-NAV",
        "token": "26016"
    },
    {
        "idxname": "India VIX",
        "token": "26017"
    },
    {
        "idxname": "Nifty 50",
        "token": "26000"
    },
        "idxname": "Nifty IT",
        "token": "26008"
    },
        "idxname": "Nifty Next 50",
        "token": "26013"
    },
        "idxname": "Nifty Bank",
        "token": "26009"
    },
        "idxname": "Nifty 500",
        "token": "26004"
    },
    {
```



```
"idxname": "Nifty 100",
    "token": "26012"
},
{
    "idxname": "Nifty Midcap 50",
    "token": "26014"
},
{
    "idxname": "Nifty Realty",
    "token": "26018"
},
]
```

Get Top List Names

Request to be POSTed to uri: /NorenWClient/TopListName

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
exch*		Exchange

Response Details:

Response data will be in json format with below fields.

Json Fields	Possible	Description
	value	



stat	Ok or Not_Ok	TopListNames success or failure indication.
values		Array Of Basket, Criteria pair.
request_time		This will be present only in a successful response.
emsg		This will be present only in case of errors.

Basket, Criteria pair Object :

Json Fields	Possible value	Description
bskt		Basket name
crt		criteria

Sample Success Response :

```
"request_time":"13:08:22 03-06-2020",
"values":[
          {
                   "bskt":"NSEBL",
                   "crt":"VOLUME"
          },
           {
                   "bskt":"NSEBL",
                   "crt":"LTP"
          },
                   "bskt":"NSEBL",
                   "crt":"VALUE"
          },
           {
                   "bskt":"NSEEQ",
                   "crt":"VOLUME"
          },
           {
                   "bskt":"NSEEQ",
                   "crt":"LTP"
          },
           {
                   "bskt":"NSEEQ",
                   "crt":"VALUE"
          },
                   "bskt":"NSEALL",
```



Sample Failure Response :

```
{
   "stat":"Not_Ok",
   "emsg":"Session Expired : Invalid Session Key"
}
```

Get Top List

Request to be POSTed to uri: /NorenWClient/TopList

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.

Json Fields	Possible value	Description
uid*		Logged in User Id
exch*		Exchange
tb*	T or B	Top or Bottom
bskt*		Basket name
crt*		criteria

Response Details:



Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	TopList success or failure indication.
values		Array of top / bottom contracts object
request_time		This will be present only in a successful response.
emsg		This will be present only in case of errors.

top / bottom contracts object :

Json Fields	Possible value	Description
tsym		Trading symbol
lp		LTP
С		Previous Close price
V		volume
value		Total traded value
oi		Open interest
рс		LTP percentage change

Sample Success Response :



```
{
                              "tsym": "SHRENIK-EQ",
                              "lp":"1850.00",
                              "c":"1785.00",
                              "v":"206846",
                              "value":"368806418.00",
                              "oi":"0",
                              "Pc":"3.64"
                    },
                     {
                              "tsym":"REMSONSIND-EQ",
                              "lp":"6000.00",
                              "c":"5795.00",
                              "v":"3948",
                              "value":"22752324.00",
                              "Oi":"0",
                              "pc":"3.54"
                    },
                              "tsym":"AXISNIFTY-EQ",
                              "lp":"106700.00",
                              "c":"103301.00",
                              "v":"422",
                              "value":"43825544.00",
                              "oi":"0",
                              "Pc":"3.29"
                     }
               ]
    }
Sample Failure Response :
  "stat":"Not_Ok",
  "emsg":"Invalid Input: Missing uid or exch or bskt or tb or crt"
}
```

Get Time Price Data (Chart data)

Request to be POSTed to uri: /NorenWClient/TPSeries

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.



Json Fields	Possible value	Description
uid*		Logged in User Id
exch*		Exchange
token*		

Response Details :

Response data will be in json format in case for failure.

Json Fields	Possible value	Description
stat	Not_Ok	TPData failure indication.
emsg		This will be present only in case of errors.

Response data will be in json format in case for success.

Json Fields	Possible value	Description
stat	Ok	TPData success indication.
time		DD/MM/CCYY hh:mm:ss
into		Interval open
inth		Interval high
intl		Interval low
intc		Interval close
intvwap		Interval vwap
intv		Interval volume
V		volume



intoi	Interval io change
oi	oi

Sample Success Response :

```
{
   "stat":"Ok",
   "time": "02-06-2020 15:46:23",
   "into":"0.00",
   "inth":"0.00",
   "intl":"0.00",
   "intc":"0.00",
   "intvwap":"0.00",
   "intv":"0",
   "intoi":"0",
   "v":"980515",
   "oi":"128702"
},
   "stat":"Ok",
   "time": "02-06-2020 15:45:23",
   "into":"0.00",
   "inth":"0.00",
   "intl":"0.00",
   "intc":"0.00",
   "intvwap":"0.00",
   "intv":"0",
   "intoi":"0",
   "v":"980515",
   "oi":"128702"
},
   "stat":"Ok",
   "time": "02-06-2020 15:44:23",
   "into":"0.00",
   "inth":"0.00",
   "intl":"0.00",
   "intc":"0.00",
   "intvwap":"0.00",
   "intv":"0",
   "intoi":"0",
   "v":"980515",
   "oi":"128702"
},
{
```



```
"stat":"Ok",
     "time": "02-06-2020 15:43:23",
      "into":"1287.00",
     "inth":"1287.00",
     "intl":"0.00",
      "intc":"1287.00",
     "intvwap":"128702.00",
     "intv":"4",
     "intoi":"128702",
      "v":"980515",
      "oi":"128702"
      "stat":"Ok",
     "time": "02-06-2020 15:42:23",
     "into":"0.00",
     "inth":"0.00",
      "intl":"0.00",
     "intc":"0.00",
     "intvwap":"0.00",
     "intv":"0",
     "intoi":"0",
      "v":"980511",
     "oi":"128702"
  }
]
Sample Failure Response:
   "stat":"Not Ok",
   "emsg": "Session Expired : Invalid Session Key"
}
```

Get Option Chain

Request to be POSTed to uri: /NorenWClient/GetOptionChain

Request Details:

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list
jKey*		Key Obtained on login success.



Json Fields	Possible value	Description
uid*		Logged in User Id
tsym*		Search Text
exch*		Exchange (UI need to check if exchange in NFO / CDS / MCX / or any other exchange which has options, if not don't allow)
strprc*		Mid price for option chain selection
cnt*		Number of strike to return on one side of the mid price for PUT and CALL. (example cnt is 4, total 16 contracts will be returned, if cnt is is 5 total 20 contract will be returned)

Response Details :

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Market watch success or failure indication.
values		Array of json objects. (object fields given in below table)
emsg		This will be present only in case of errors. That is: 1) Invalid Input 2) Session Expired

Json Fields of object in values Array	Possible value	Description
exch	NSE, BSE, NFO	Exchange
tsym		Trading symbol of the scrip (contract)
token		Token of the scrip (contract)
optt		Option Type



strprc	Strike price
рр	Price precision
ti	Tick size
Is	Lot size

Span Calculator

Request to be POSTed to uri: /NorenWClient/SpanCalc

Request Details :

Parameter Name	Possible value	Description
jData*		Should send json object with fields in below list

Json Fields	Possible value	Description
actid*		Any Account id, preferably actual account id if sending from post login screen
pos*		Array of json objects. (object fields given in below table)

Json Fields of object in values Array	Possible value	Description
exch	NFO, CDS, MCX	Exchange
instname	FUTSTK, FUTIDX, OPTSTK, FUTCUR	Instrument name
symname	USDINR, ACC, ABB, NIFTY	Symbol name
expd	2020-10-29	YYYY-MM-DD format
optt	CE, PE	Option Type



strprc	11900.00, 71.0025	Strike price
buyqty		Buy Open Quantity
sellqty		Sell Open Quantity
netqty		Net traded quantity

Response Details :

Response data will be in json format with below fields.

Json Fields	Possible value	Description
stat	Ok or Not_Ok	Market watch success or failure indication.
span		Span value
expo		Exposure margin
span_trade		Span value ignoring input fields buyqty, sellqty
expo_trade		Exposure margin ignoring input fields buyqty, sellqty



Web Socket API

Connect to wss://api.broker1.com/NorenStream/NorenWS

General Guidelines

- 1) As soon as connection is done, a connection request should be sent with User id and login session id.
- 2) All input and output messages will be in json format.

Connect

Request:

Json Fields	Possible value	Description
t	С	'c' represents connect task
uid		User ID
actid		Account id
source	WEB / MOB	Source should be same as login request.
susertoken		User Session Token

Response:

Json Fields	Possible value	Description
t	ck	'ck' represents connect acknowledgement
uid		User ID
s		Ok or Not_Ok(in case of invalid user id or session id)



Subscribe Touchline

Request:

Json Fields	Possible value	Description
t	t	't' represents touchline task
k		One or more scriplist for subscription. Example NSE 22#BSE 508123#NSE NIFTY

Subscription Acknowledgement:

Number of Acknowledgements for a single subscription will be the same as the number of scrips mentioned in the key (k) field.

Json Fields	Possible value	Description
t	tk	'tk' represents touchline acknowledgement
е	NSE, BSE, NFO	Exchange name
tk	22	Scrip Token
pp	2 for NSE, BSE 4 for CDS USDINR	Price precision
ts		Trading Symbol
ti		Tick size
Is		Lot size
lp		LTP
рс		Percentage change
V		volume
0		Open price
h		High price
I		Low price



С	Close price
ар	Average trade price

TouchLine subscription Updates:

Accept for t, e, and tk other fields may / may not be present.

Json Fields	Possible value	Description
t	tf	'tf' represents touchline feed
е	NSE, BSE, NFO	Exchange name
tk	22	Scrip Token
lp		LTP
рс		Percentage change
V		volume
0		Open price
h		High price
I		Low price
С		Close price
ар		Average trade price

Unsubscribe Touchline

Request:

Json Fields	Possible value	Description
t	u	'u' represents Unsubscribe Touchline
k		One or more scriplist for unsubscription. Example NSE 22#BSE 508123

Response:



Json Fields	Possible value	Description
t	uk	'uk' represents Unsubscribe Touchline acknowledgement
k		One or more scriplist for unsubscription. Example NSE 22#BSE 508123

Subscribe Depth

Request:

Json Fields	Possible value	Description
t	d	'd' represents depth subscription
k		One or more scriplist for subscription. Example NSE 22#BSE 508123

Subscription Depth Acknowledgement:

Number of Acknowledgements for a single subscription will be the same as the number of scrips mentioned in the key (k) field.

Json Fields	Possible value	Description
t	dk	'dk' represents depth acknowledgement
е	NSE, BSE, NFO	Exchange name
tk	22	Scrip Token
lp		LTP
рс		Percentage change
v		volume
0		Open price
h		High price



Low price Close price Average trade price ар ltt Last trade time Last trade quantity ltq Total Buy Quantity tbq Total Sell Quantity tsq bq1 Best Buy Quantity 1 Best Buy Quantity 2 bq2 Best Buy Quantity 3 bq3 Best Buy Quantity 4 bq4 bq5 Best Buy Quantity 5 bp1 Best Buy Price 1 bp2 Best Buy Price 2 Best Buy Price 3 bp3 Best Buy Price 4 bp4 Best Buy Price 5 bp5 Best Buy Orders 1 bo1 Best Buy Orders 2 bo2 bo3 Best Buy Orders 3 Best Buy Orders 4 bo4 bo5 Best Buy Orders 5 Best Sell Quantity 1 sq1 sq2 Best Sell Quantity 2 sq3 Best Sell Quantity 3



sq4	Best Sell Quantity 4
sq5	Best Sell Quantity 5
sp1	Best Sell Price 1
sp2	Best Sell Price 2
sp3	Best Sell Price 3
sp4	Best Sell Price 4
sp5	Best Sell Price 5
so1	Best Sell Orders 1
so2	Best Sell Orders 2
so3	Best Sell Orders 3
so4	Best Sell Orders 4
so5	Best Sell Orders 5
Ic	Lower Circuit Limit
uc	Upper Circuit Limit
52h	52 week high low in other exchanges, Life time high low in mcx
521	52 week high low in other exchanges, Life time high low in mcx

Depth subscription Updates:

Json Fields	Possible value	Description
t	df	'df' represents depth feed
е	NSE, BSE, NFO	Exchange name
tk	22	Scrip Token
lp		LTP
рс		Percentage change



volume Open price h High price Low price Close price С ар Average trade price ltt Last trade time ltq Last trade quantity Total Buy Quantity tbq tsq Total Sell Quantity Best Buy Quantity 1 bq1 bq2 Best Buy Quantity 2 Best Buy Quantity 3 bq3 Best Buy Quantity 4 bq4 Best Buy Quantity 5 bq5 bp1 Best Buy Price 1 bp2 Best Buy Price 2 Best Buy Price 3 bp3 Best Buy Price 4 bp4 bp5 Best Buy Price 5 Best Buy Orders 1 bo1 Best Buy Orders 2 bo2 Best Buy Orders 3 bo3 Best Buy Orders 4 bo4 Best Buy Orders 5 bo5



sq1	Best Sell Quantity 1
sq2	Best Sell Quantity 2
sq3	Best Sell Quantity 3
sq4	Best Sell Quantity 4
sq5	Best Sell Quantity 5
sp1	Best Sell Price 1
sp2	Best Sell Price 2
sp3	Best Sell Price 3
sp4	Best Sell Price 4
sp5	Best Sell Price 5
so1	Best Sell Orders 1
so2	Best Sell Orders 2
so3	Best Sell Orders 3
so4	Best Sell Orders 4
so5	Best Sell Orders 5
Ic	Lower Circuit Limit
uc	Upper Circuit Limit
52h	52 week high low in other exchanges, Life time high low in mcx
521	52 week high low in other exchanges, Life time high low in mcx

Sample Message:

```
{
    "t": "df",
    "e": "NSE",
    "tk": "22",
    "o": "1166.00",
```



```
"h": "1179.00",
"1": "1145.35",
"c": "1152.65",
"ap": "1159.74",
"v": "819881",
"tbq": "120952",
"tsq": "131730",
"bp1": "1156.00",
"sp1": "1156.50",
"bp2": "1155.80",
"sp2": "1156.55",
"bp3": "1155.75",
"sp3": "1156.65",
"bp4": "1155.70",
"sp4": "1156.70",
"bp5": "1155.65",
"sp5": "1156.75",
"bq1": "4",
"sq1": "10",
"bq2": "67",
"sq2": "63",
"bq3": "83",
"sq3": "1",
"bq4": "139",
"sq4": "53",
"bq5": "393",
"sq5": "94"
```

Unsubscribe Depth

Request:

}

Json Fields	Possible value	Description
t	ud	'ud' represents Unsubscribe depth
k		One or more scriplist for unsubscription. Example NSE 22#BSE 508123

Response:

Json Fields	Possible value	Description
-------------	----------------	-------------



t	udk	'udk' represents unsubscribe depth acknowledgement
k		One or more scriplist for unsubscription. Example NSE 22#BSE 508123



Subscribe Order Update

Request:

Json Fields	Possible value	Description
t	О	'o' represents order update subscription task
actid		Account id based on which order updated to be sent.

Subscription Acknowledgement:

Json Fields	Possible value	Description
t	ok	'ok' represents order update subscription acknowledgement

Order Update subscription Updates :

Json Fields	Possible value	Description
t	om	'om' represents touchline feed
norenordno		Noren Order Number
uid		User Id
actid		Account ID
exch		Exchange
tsym		Trading symbol
qty		Order quantity
prc		Order Price
prd		Product
status		Order status (open, complete, rejected etc)
reporttype		Order event for which this message is sent out. (fill, rejected, canceled)



trantype	Order transaction type, buy or sell
prctyp	Order price type (LMT, MKT, SL-LMT, SL-MKT)
ret	Order retention type (DAY, EOS, IOC,)
fillshares	Filled shares
avgprc	Average fill price
rejreason	Order rejection reason, if rejected
exchordid	Exchange Order ID
cancelqty	Canceled quantity, in case of canceled order
remarks	User added tag, while placing order
dscqty	Disclosed quantity
trgprc	Trigger price for SL orders

Unsubscribe Order Update

Request:

Json Fields	Possible value	Description
t	uo	'uo' represents Unsubscribe Order update

Response:

Json Fields	Possible value	Description
t	uok	'uok' represents Unsubscribe Order update acknowledgement