



REPORTING SERVER

Reference Document

Version 1.0.1

DOCUMENT HISTORY

Date	Version	Author Comments	Document Author
09-10-2019	1.0.0	New Document	S. Divin Rakesh
09-23-2019	1.0.1	Reporting API Field Names	Akshay Hake

APPROVALS

Approval Date	Approved Version	Approver Role	Approver
09-13-2019	1.0.0	Product Head – Trading Technology	Bhaskar Roy
09-24-2019	1.0.1	Product Head - Trading Technology	Bhaskar Roy

Table of Contents

1. INTRODUCTION.....	3
1.1. AUDIENCE	3
2. DATABASE DESIGN	3
2.1.1. Accounts.....	3
2.1.2. Current Orders.....	6
2.1.3. Coverage Orders.....	11
2.1.4. Slave Orders.....	13
2.1.5. Master Slave Account Mapping	18
2.1.6. Account Metrics Per Master Slave	19
2.1.7. Account Daily Return Detail	20
2.1.8. Account Transaction History.....	21
2.1.9. Error Codes.....	22
3. APPENDIX.....	22
3.1. PARTIAL CLOSE TRADE	22
3.2. ORDER STATUS	23

1. Introduction

This document defines the schema of the database, i.e., exposed to the external developers that will help generate customized reports from the database. The document also includes reference to all the tables and their respective columns, and the relation between these tables for database exposure.

1.1. Audience

This document is intended for database architects, business decision makers, developers responsible for using these tables for generating various customized reports.

The intended audience includes the following business roles:

- Technical/Database Architects
- Analyst responsible for driving architecture-level decisions
- Business decision makers who have business requirements
- Consultants, Business Partners, and other technical staff who work for its development.

2. Database Design

The exposed database consists of tables with user account information, trade information and account metrics. Each table has their own set of defined columns. There would be columns common to more than one table that also provides connection between the various tables in the group.

For the ease of management of data and tables, each table consists of a unique identifier (primary key) for a record.

For the ease of reading this document, certain convention is followed herein:

- All table names are in bold with italics font.
- All column names are in italics font.
- The following subsections define the tables, their columns and relations with other tables.

** The Reporting API field names are mentioned wherever applicable

2.1.1. Accounts

The Accounts can be:

- External Fund Manager: These are those accounts which belongs to external platform, such as, MT4, and MT5. It is also known as a Master.
- Internal Fund Manager: *Reserved for future use.*
- Investor: These are the follower or trader accounts and belongs to the platform. It is also known as Slave.

- **Wallet:** This account belongs to broker where all the fees are credited, and the currency of the wallet is same as coverage account.
- **Introducer:** These are the Introducer accounts of the investors, i.e., belongs to an entity who has introduced an investor to the platform.
- **Index:** *Reserved for future use.*
- **Coverage:** These are the accounts used by the broker to manage the risk. All trades are placed on this account on behalf of investors.

The fields for the *Accounts* table are:

Table Name: Accounts

Column Name	Data Type	Valid Values	Allow Nulls	Description	Reporting API field Name
<i>PK_AccountID</i>	int identity		No	This field states the unique Account ID of an investor in the Tradesocio environment generated by Platform.	account_id
<i>ExternalID</i>	varchar		No	This field states the external Account ID, which would be the MT4/MT5 account ID. Note: The ExternalID will be different only in case of fund manager accounts. For rest of the accounts, the ExternalID will be same as	account_no

Column Name	Data Type	Valid Values	Allow Nulls	Description	Reporting API field Name
				PK_AccountID	
Active	bit		No	The field lists the current activity of the account whether it is active or inactive.	
LastUpdatedtime	datetime	(getutcdate())	Yes	This field specifies the time when the last update took place.	
ParticipantAccountType	int		Yes	This field specifies the participant account type. 1 = Investor 2 = Fund Manager 3 = Coverage 4 = Introducer 5 = Wallet 6 = For future use.	
Balance	decimal	((0))	Yes	The field lists the balance, i.e., the amount of funds in an account.	Balance
Leverage	decimal	((0))	Yes	Leverage	Leverage
Credit	decimal	((0))	Yes	Credit	
Currency	varchar		Yes	Deposit Currency	default_symbol
IsForIndex	bit	((0))	No	Reserved for future use.	
VAMI	decimal	((1000))	No	This field lists the VAMI, i.e., a measure to track the	

Column Name	Data Type	Valid Values	Allow Nulls	Description	Reporting API field Name
				monthly performance of an investment.	
<i>ReturnPerc</i>	decimal		No	Return value in percentage.	Return
<i>AUM</i>	decimal		No	This field specifies the sum of current allocation for all investors under a fund manager.	
<i>UsedMargin</i>	decimal	((0))	No	Used margin	
<i>isBBookMaster</i>	int	((0))	No	<i>Reserved for future use.</i>	
<i>FK_FundType</i>	int	((0))	No	This field lists the type of fund. 1 = Mirror fund 2 = Invest fund 3 = <i>Reserved for future use.</i>	

2.1.2. Current Orders

The Current Orders table explains the order details of both fund manager and coverage accounts. There will be only one entry for the coverage trade even when multiple coverage trades have been placed, and individual trades are stored in Coverage Orders table. The fields for the *Current Orders* table are:

Table Name: *CurrentOrders*

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
<i>PK_OrderID</i>	bigint identity		No	This field lists the Order ID.	
<i>LPOrdID</i>	varchar		Yes	This field is used in the case of	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
				partial close, it contains the ID of the original PK Order ID. For default, it's kept null. Note: Refer to the Partial Close Trade for more details.	
<i>OrigOrdID</i>	varchar		Yes	External order ID in case of A-book, and in-house order ID in case of B-book	orderid
<i>FK_AccountID</i>	int		No	Account ID (TS ID) Note: This is a foreign key to Accounts table.	
<i>PositionSize</i>	bigint		Yes	This field lists the order quantity in contracts.	Open: ordervol Close: order_lots
<i>Price</i>	decimal		Yes	This field lists the request price of the symbol.	Purchase_rate
<i>FK_OrderType</i>	int		No	This field lists the type of order. 1 = MARKET 2 = LIMIT 3 = STOP 4 = STOP-LIMIT	
<i>FK_OrderStatusID</i>	int		No	This field lists the status of the order. 1 = NEW 3 = FILLED 7 = PENDING_CANCEL	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
				8 = REJECTED 9 = PENDING_NEW Note: Refer to the Order Status for more details.	
<i>FK_Side</i>	int		No	This field lists the side. 1 = BUY 2 = SELL	Order_type
<i>OrderDateTimeRequested</i>	datetime	(getutcdate())	Yes	The field specifies the time of placing order (in UTC format).	Open_time
<i>Contract</i>	varchar		No	Symbol with suffix. Example EURUSD#	currency
<i>Product</i>	varchar		No	Standard Symbol. Example EURUSD	currency
<i>LastUpdateTime</i>	datetime	(getutcdate())	Yes	The time when the last update took place.	
<i>FilledQty</i>	int		Yes	This field lists the filled position size in contracts.	
<i>AvgFillPrice</i>	decimal		Yes	Open price	
<i>CancelQty</i>	int		Yes	At the event of a partial close, the remaining position size that will be opened as a new trade is the cancel quantity. Note: Refer to the Partial Close Trade for more details.	
<i>ProfitValue</i>	decimal		Yes	Profit value	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
<i>Reason</i>	varchar		Yes	This field lists the error codes, in case of trade rejection. Note: Refer to the Error Codes for more details.	
<i>CloseQty</i>	int		Yes	At the event of a partial close, the position size closed partially is the closed quantity. Note: Refer to the Partial Close Trade for more details.	
<i>PositionEffect</i>	char		Yes	This field lists the status of the trade. O = Open C = Closed	
<i>LinkedOrderID</i>	varchar	(")	Yes	This field links the coverage trade to the fund manager trade. <ul style="list-style-type: none"> This field will be blank in case of fund manager account. The field will have the PK_OrderID of fund manager in case of Coverage account. 	
<i>SL</i>	decimal		Yes	Stop loss	
<i>TP</i>	decimal		Yes	Take profit	
<i>ClosePrice</i>	decimal		Yes	Close price	close_price

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
<i>Commission</i>	decimal		Yes	Commission Note: The fund manager type account uses this field.	
<i>CommissionAgent</i>	decimal		Yes	Commission agent Note: The fund manager type account uses this field.	
<i>Swap</i>	decimal		Yes	Swap Note: The fund manager type account uses this field.	
<i>Taxes</i>	decimal		Yes	Taxes Note: The fund manager type account uses this field.	
<i>Comment</i>	varchar		Yes	Comment	
<i>UsedMargin</i>	decimal	((0))	No	This field lists the margin amount used in opening a trade.	
<i>ContractSize</i>	decimal	((0))	No	This field lists the contract size of symbol.	
<i>Digit</i>	Int	((0))	No	Digit	
<i>ReturnPerc</i>	decimal	((0))	No	This field lists the return value displayed in percentage.	
<i>VAMI</i>	decimal	((0))	No	This field lists the VAMI, i.e., a measure to track the monthly performance of an investment.	
<i>Equity</i>	decimal	((0))	No	This field lists the equity.	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Name
<i>Profit_Mode</i>	Int	((0))	No	This field lists the Profit mode. 1 = FOREX 2 = CFD 3 = FUTURES 4 = CFDINDEX 5 = CFDLEVERAGE	

2.1.3. Coverage Orders

The Coverage Orders table explains the order details of coverage accounts. The fields for the *CoverageOrders* table are:

Table Name: *CoverageOrders*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_OrderID</i>	bigint identity		No	This field lists the Order ID.
<i>LPOrdID</i>	varchar		Yes	This field is used in the case of partial close, it contains the ID of the original PK Order ID. For default, it's kept null. Note: Refer to the Partial Close Trade for more details.
<i>OrigOrdID</i>	varchar		Yes	External order ID in case of A-book, and in-house order ID in case of B-book (web trading platform)
<i>FK_AccountID</i>	Int		No	Account ID (TS ID) Note: This is a foreign key to Accounts table.
<i>PositionSize</i>	Bigint		Yes	This field lists the order quantity in contract.
<i>Price</i>	decimal		Yes	This field lists the request price of the symbol.
<i>FK_OrderType</i>	Int		No	This field lists the type of order. 1 = MARKET 2 = LIMIT 3 = STOP 4 = STOP-LIMIT
<i>FK_OrderStatusID</i>	int		No	This field lists the status of the order. 1 = NEW

Column Name	Data Type	Valid Values	Allow Nulls	Description
				3 = FILLED 7 = PENDING_CANCEL 8 = REJECTED 9 = PENDING_NEW Note: Refer to the Order Status for more details.
<i>FK_Side</i>	int		No	This field lists the side. 1 = BUY 2 = SELL
<i>OrderDateTimeRequested</i>	datetime	(getutcdate())	Yes	The field specifies the time of placing order (in UTC format).
<i>Contract</i>	varchar		No	Symbols
<i>Product</i>	varchar		No	Symbols
<i>LastUpdateTime</i>	datetime	(getutcdate())	Yes	The time when the last update took place.
<i>FilledQty</i>	int		Yes	This field lists the filled position size in contracts.
<i>AvgFillPrice</i>	decimal		Yes	Open price
<i>CancelQty</i>	int		Yes	At the event of a partial close, the remaining position size that will be opened as a new trade is the cancel quantity. Note: Refer to the Partial Close Trade for more details.
<i>ProfitValue</i>	decimal		Yes	Profit value
<i>Reason</i>	varchar		Yes	This field lists the error codes, in case of trade rejection. Note: Refer to the Error Codes for more details.
<i>CloseQty</i>	int		Yes	At the event of a partial close, the position size closed partially is the closed quantity. Note: Refer to the Partial Close Trade for more details.
<i>PositionEffect</i>	char		Yes	This field lists the status of the trade. O = Open C = Closed
<i>LinkedOrderID</i>	varchar	(")	Yes	This field will have PK_OrderID of the coverage in Current Orders table and provides a link to the coverage account.
<i>ClosePrice</i>	decimal		Yes	Close price
<i>ClosePriceRequested</i>	decimal		Yes	This field lists the requested close price.

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>ContractSize</i>	decimal		Yes	Position size
<i>Digit</i>	int		Yes	Digit
<i>OpenOrigIDFix</i>	varchar		Yes	This field lists the external FIX ID generated when trade opens.
<i>CloseOrigIDFix</i>	varchar		Yes	This field lists the FIX ID generated when trade is closed.

2.1.4. Slave Orders

The Slave Orders table explains the order details of investor accounts. The fields for the *SlaveOrders* table are:

Table Name: *SlaveOrders*

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
<i>PK_OrderID</i>	bigint identity		No	This field lists the Trade ID of the order.	
<i>LPOrdID</i>	varchar		Yes	This field is used in the case of partial close, it contains the ID of the original PK Order ID. For default, it's kept null. Note: Refer to the Partial Close Trade for more details.	
<i>FK_AccountID</i>	int		No	Account ID (TS ID) Note: This is a foreign key to Accounts table.	Account_id
<i>PositionSize</i>	bigint		Yes	This field lists the order quantity.	Open: ordervol Close: order_lots
<i>Price</i>	decimal		Yes	This field lists the request price of the symbol.	open_price

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
<i>FK_OrderType</i>	int		No	This field lists the type of order. 1 = MARKET 2 = LIMIT 3 = STOP 4 = STOP-LIMIT	
<i>FK_OrderStatusID</i>	int		No	This field lists the status of the order. 1 = NEW 3 = FILLED 7 = PENDING_CANCEL 8 = REJECTED 9 = PENDING_NEW Note: Refer to the Order Status for more details.	
<i>FK_Side</i>	int		No	This field lists the side. 1 = BUY 2 = SELL	Order_type
<i>OrderDateTimeRequested</i>	datetime		Yes	The field specifies the time of placing order (in UTC format).	Open_time
<i>Contract</i>	varchar		No	Symbols	currency
<i>Product</i>	varchar		No	Symbols	currency
<i>LastUpdateTime</i>	datetime	(getutcdate())	Yes	The time when the last update took place.	
<i>FilledQty</i>	int		Yes	This field lists the filled position size.	
<i>AvgFillPrice</i>	decimal		Yes	Open price	Open_price
<i>CancelQty</i>	int		Yes	At the event of a partial close, the remaining position size	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
				opened as a new trade is the cancel quantity. Note: Refer to the Partial Close Trade for more details.	
<i>ProfitValue</i>	decimal		Yes	Profit value	Avg_pl
<i>Reason</i>	varchar		Yes	This field lists the error codes, in case of trade rejection. Note: Refer to the Error Codes for more details.	
<i>CloseQty</i>	int		Yes	At the event of a partial close, the position size closed partially is the closed quantity. Note: Refer to the Partial Close Trade for more details.	
<i>PositionEffect</i>	char		Yes	This field lists the status of the trade. O = Open C = Closed	
<i>LinkedOrderID</i>	varchar		Yes	This field will have PK_OrderID of the coverage in Current Orders table and provides a link to the coverage account.	
<i>SL</i>	decimal		Yes	Stop loss	
<i>TP</i>	decimal		Yes	Take profit	
<i>ClosePrice</i>	decimal		Yes	Close price	Close_price

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
<i>CurrentAllocation</i>	decimal		Yes	Current allocation	
<i>UsedMargin</i>	decimal	((0))	Yes	Used margin	
<i>SlaveEquity</i>	decimal		Yes	This field lists the equity of the investor.	
<i>MasterEquity</i>	decimal		Yes	This field lists the equity of the fund manager.	
<i>SlaveCurrency</i>	varchar		Yes	Investor currency	default_symbol
<i>MasterCurrency</i>	varchar		Yes	Fund manager currency	
<i>ClosePriceRequested</i>	decimal		Yes	Request close price	
<i>PSType</i>	int		Yes	This field lists the profit-share type. 1 = Fixed 2 = Percentage	
<i>PSValue</i>	decimal		Yes	Trade Charges value	
<i>WalletPSCommission</i>	decimal		Yes	This field lists the Trade Charges in wallet account.	
<i>WalletRBCommission</i>	decimal		Yes	This field lists the wallet rebate commission.	
<i>BSType</i>	int		Yes	This field lists the broker-share type. 1 = Fixed 2 = Percentage	
<i>BSValue</i>	decimal		Yes	Broker share value	
<i>WalletBSCommission</i>	decimal		Yes	This field lists the broker-share commission in wallet account.	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
<i>WalletCurrency</i>	varchar		Yes	This field lists the currency of the wallet account.	
<i>SwapType</i>	int		Yes	This field lists the swap type. 0 = By point 1 = By money 2 = By interest 3 = By money in margin currency	
<i>Swap</i>	decimal	((0))	Yes	Swap	
<i>SlaveContractSize</i>	decimal	((0))	No	This field lists the contract size of the symbol (in USD).	
<i>MasterContractSize</i>	decimal	((0))	No	This field lists the fund manager contract size (in USD).	
<i>ReturnPerc</i>	decimal	((0))	No	This field lists the return value in percentage.	
<i>RetunPercMapping</i>	decimal	((0))	No	This field lists the mapping return value in percentage.	
<i>VAMI</i>	decimal	((0))	No	This field lists the VAMI, i.e., a measure to track the monthly performance of an investment.	
<i>MappingVAMI</i>	decimal	((0))	No	This field lists the mapping VAMI.	
<i>Profit_Mode</i>	int	((0))	No	This field lists the Profit mode. 1 = FOREX 2 = CFD 3 = FUTURES	

Column Name	Data Type	Valid Values	Allow Nulls	Description	API Key
				4 = CFDINDEX 5 = CFDLEVERAGE	

2.1.5. Master Slave Account Mapping

The Master Slave Account Mapping table lists all the allocations and stores various parameters for them. The fields for the *MasterSlaveAccountMapping* table are:

Table Name: *MasterSlaveAccountMapping*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_MasterSlaveAcc</i>	int identity		No	Mapping ID of the fund manager and investor accounts.
<i>FK_MasterAccountID</i>	int		No	Account ID of the fund manager.
<i>FK_SlaveAccountID</i>	int		No	Account ID of the investor.
<i>CopyStartTime</i>	datetime	(getutcdate())	Yes	Time the Allocation started
<i>SLAmount</i>	decimal		Yes	This field lists the stop-loss amount (in percentage). The Stop-loss manages the risk involved during the allocation.
<i>PeakAllocationAmount</i>	decimal		Yes	Highest allocation amount
<i>AllocationAmount</i>	decimal		Yes	This field lists the amount allocated when the allocation started.
<i>CurrentAllocation</i>	decimal		Yes	Current allocation
<i>UsedMargin</i>	decimal	((0))	Yes	This field lists the total margin amount used by the investor while following a specific fund manager.
<i>ManageLots</i>	int		No	This field provides an understanding of the type of copy mode. 3 = Equity ratio 4 = Balance ratio
<i>LastUpdatedtime</i>	datetime	(getutcdate())	Yes	The time when the last update took place.
<i>VAMI</i>	decimal	((1000))	No	This field lists the VAMI, i.e., a measure to track the monthly performance of an investment.
<i>ReturnPerc</i>	decimal	((0))	No	Return value in percentage.

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>AllocationID</i>	int		Yes	Unique ID to identify an allocation. This is used in case of resuming an allocation.

2.1.6. Account Metrics Per Master Slave

The Account Metrics Per Master Slave table details various parameters for the account of an investor for an allocation. The fields for the *Account_MetricsPerMasterSlave* table are:

Table Name: *Account_MetricsPerMasterSlave*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_ID</i>	int identity		No	It is a unique ID.
<i>AccountID</i>	Bigint		No	This field states the Account ID of an investor in the Tradesocio environment and is referenced from the Accounts table.
<i>MasterAccountID</i>	Bigint		No	This field lists the Account ID of the fund manager whom the investor is following and is referenced from the Accounts table.
<i>Balance</i>	Decimal	((0))	No	The field lists the balance.
<i>Equity</i>	Decimal	((0))	No	This field lists the equity.
<i>MaxDDPercentForDay</i>	Decimal	((0))	No	This field lists the maximum drawdown, i.e., the decline of investment from peak to trough in a day. It is calculated as a percentage of the peak value.
<i>EOD_DDPercent</i>	Decimal	((0))	No	End of the Day Drawdown percent.
<i>VAMI</i>	Decimal	((0))	No	This field lists the VAMI, i.e., a measure to track the monthly performance of an investment.
<i>ReturnPercent</i>	Decimal	((0))	No	Return value in percentage.
<i>BrokerTime</i>	Datetime	(getutcdate())	No	This field specifies the time when deductions and update occur in the table in a day. This time is in UTC.
<i>PNL</i>	decimal	((0))	No	This field lists the realized Profit and Loss.
<i>isEOD</i>	int	((0))	No	0 = The current day status is not yet updated and will get updated by end of day. 1 = It is set when the broker time is hit. Broker time is EOD time in UTC

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>UPNL</i>	decimal	((0))	No	This field lists the Unrealized Profit and Loss.
<i>LastUpdatedTime</i>	datetime	(getutcdate())	No	The time when the last update took place in this specific table.

2.1.7. Account Daily Return Detail

The Account Daily Return Detail table details the account description of an investor for a specific day. The fields for the *AccountDailyReturnDetail* table are:

Table Name: *AccountDailyReturnDetail*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_ID</i>	int identity		No	This field consists of unique IDs of the account, further used in various other tables in database.
<i>AccountID</i>	bigint		No	This field states the Account ID of a slave (or follower) in the Tradesocio environment generated by Platform.
<i>Balance</i>	decimal	((0))	No	The field lists the balance.
<i>Equity</i>	decimal	((0))	No	This field lists the equity.
<i>MaxDDPercentForDay</i>	decimal	((0))	No	This field lists the maximum drawdown, i.e., the decline of investment from peak to dip in a day. It is calculated as a percentage of the peak value.
<i>EOD_DDPercent</i>	decimal	((0))	No	End of the Day Drawdown percent
<i>VAMI</i>	decimal	((0))	No	This field lists the VAMI, i.e., a measure to track the monthly performance of an investment.
<i>ReturnPercent</i>	decimal	((0))	No	Return value in percentage.
<i>BrokerTime</i>	datetime	(getutcdate())	No	The field specifies a predefined time (in UTC) as fixed by the broker for when his/her day ends.
<i>LastUpdatedTime</i>	datetime	(getutcdate())	No	The time when the last update took place in this specific table.
<i>PNL</i>	decimal	((0))	No	This field lists the realized Profit and Loss.
<i>AUM</i>	decimal	((0))	No	This field specifies the sum of current allocation for all investors under a fund manager. Note: This only used for the fund manager account.
<i>Credit</i>	decimal	((0))	No	Account credit

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>isEOD</i>	int	((0))	No	0 = The current day status is not yet updated and will get updated by end of day. 1 = It is set when the broker time is hit.

2.1.8. Account Transaction History

The Account Transaction History table provides an insight into the transaction details of a fund manager or investor account. The fields for the *AccountTransactionHistory* table are:

Table Name: *AccountTransactionHistory*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_ID</i>	int identity		No	This field consists of unique IDs of the account, further used in various other tables in database.
<i>FK_AccountId</i>	int		No	This field states the Account ID of a fund manager or investor in the Tradesocio environment.
<i>ValueDate</i>	datetime	(getutcdate())	No	Time when the value is updated.
<i>Narration</i>	varchar		Yes	This field lists some specific comments about the transaction.
<i>Debit</i>	decimal	((0))	Yes	Debit
<i>Credit</i>	decimal	((0))	Yes	Credit
<i>Balance</i>	decimal	((0))	Yes	The field lists the balance, i.e., the amount of funds in an account after the closing of all trades.
<i>FK_FeeType</i>	int	((0))	No	Different types of fees are: 1 = Subscription 2 = Fixed 3 = Performance 4 = Management 5 = Exit
<i>BrokerTime</i>	datetime	(getutcdate())	No	This field specifies the time when deductions and update occur in the table in a day.
<i>WalletTransactionID</i>	int		Yes	This field lists the transaction IDs for the fee deductions from the investor's account. This field is only applicable in case of wallet transaction.
<i>ReverseFeeID</i>	int		Yes	This field lists the ID of the fee that will be reversed to the account.

2.1.9. Error Codes

The Error Codes table details a list of all the errors that can occur in the platform. The fields for the *ErrorCodes* table are:

Table Name: *ErrorCodes*

Column Name	Data Type	Valid Values	Allow Nulls	Description
<i>PK_ErrorID</i>	int identity		No	This field consists of unique IDs of the error codes.
<i>Error_Code</i>	int		No	This field lists the error codes.
<i>Description</i>	varchar		No	This field lists the description for each error code.
<i>Reason</i>	varchar		Yes	This field lists the reason codes as displayed in other tables.

3. Appendix

3.1. Partial Close Trade

A partial close trade is an event when the fund manager decides to close certain portion of his or her open positions in the market. Following are the list of steps that occurs in an event of partial close:

- Once a fund manager closes a trade with a position size (Close Quantity), the coverage and slave trades are closed in the same proportion.
- The close quantity stores the volume closed by the master. The Cancel Quantity stores the remaining quantity and initiates a new entry in the Current Orders table with that remaining quantity as position size and LPOrderID as PK_OrderID of closed trade. This is also done for the Coverage trade in the Current Orders table.
- Similarly, the entries are done in coverage as well as slave accounts. Refer to Figure 1 and Figure 2.

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_OrderType	FK_C
O		NULL	NULL	271870	NULL	5225539	21286	100000	1.10518	1	3

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_Or
1 O	271870	NULL	NULL	271871	NULL	1568179517830_0_0	16844	30000	1.10518	1

PositionEffect	LinkedOrderID	CloseQty	CancelQty	Digit	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price
1 O	271871	NULL	NULL	5	218832	NULL	1568179517830_0_0	16844	30000	1.10518

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_Or
1 O	271871	NULL	NULL	449227	NULL	1568179517830_0_0	21287	10000	1.10518	1
2 O	271871	NULL	NULL	449228	NULL	1568179517830_0_0	21288	20000	1.10518	1
3 O	271871	NULL	NULL	449229	NULL	0	21296	10000	1.10518	1
4 O	271871	NULL	NULL	449230	NULL	0	21299	10000	1.10518	1

Figure 1: Before Partial Close

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_OrderType
C		50000	50000	271870	NULL	5225539	21286	100000	1.10518	1
O		NULL	NULL	271872	271870	5225546	21286	50000	1.10518	1

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_
C	271870	20000	10000	271871	NULL	1568179517830_0_0	16844	30000	1.10518	1
O	271872	NULL	NULL	271873	271871	1568179517830_0_1	16844	10000	1.10518	1

PositionEffect	LinkedOrderID	CloseQty	CancelQty	Digit	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price
C	271871	20000	10000	5	218832	NULL	1568179517830_0_0	16844	30000	1.10518
O	271873	NULL	NULL	5	218833	NULL	1568179517830_0_1	16844	10000	1.10518

PositionEffect	LinkedOrderID	CloseQty	CancelQty	PK_OrderID	LPOrdID	OrigOrdID	FK_AccountID	PositionSize	Price	FK_
C	271871	10000	0	449227	NULL	1568179517830_0_0	21287	10000	1.10518	1
C	271871	10000	10000	449228	NULL	1568179517830_0_0	21288	20000	1.10518	1
O	271871	NULL	NULL	449229	NULL	0	21296	10000	1.10518	1
O	271871	NULL	NULL	449230	NULL	0	21299	10000	1.10518	1
O	271873	NULL	NULL	449231	449228	1568179517830_0_1	21288	10000	1.10518	1

Figure 2: After Partial Close

3.2. Order Status

Following are the Order Status descriptions:

- 1 = NEW: When order placed by the trader is present for a certain period.

-
- 3 = FILLED: When the execution report is received, and the order placed by the trader is filled.
 - 7 = PENDING_CANCEL: A pending order cancelled.
 - 8 = REJECTED: When an order gets failed to open in market, then the order gets rejected.
 - 9 = PENDING_NEW: A new pending order.