QUANTITATIVE ANALYTICS

QA DIRECT

DATABASE SCHEMA FOR OWNERSHIP VERSION 2

VERSION 1.1.1

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REFINITIV™

Contents

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1   Introduction

In This Document

This document provides schema information about the **Ownership Version 2** data tables in QA Direct.

The documentation for each table includes these main elements:

- **Vendor Database or License Name** – This element provides the vendor database or license name. Vendor databases generally correspond to vendor licensing options.

- **Table Name: Table Title** – This element provides the table name and title, followed by a description of the table contents.

- **Update Cycle** – This element indicates the frequency of updates from the data vendor. (For specific information about when this update is posted for your use, refer to your update logs. The update log schema description is available in the Database Schema for QA Direct Core Tables document.)

- **Adjusted** – This element indicates whether the data is stored adjusted, unadjusted, or if adjustment is not applicable (N/A).

- **Indexes, Index Fields** – This element lists the table's index(es) (for example, pkey_CSGCAD) and the index fields. The primary index contains a "pkey_" or "PK_" prefix. Clustered indexes are noted.

- **Field, Type, Nullable, Definition** – This element describes the table's fields, including field names, data types, and whether each field is nullable.

Intended Readership

This document is intended for QA Direct clients licensed to use **Ownership Version 2** data through Refinitiv. Note that the tables described in this document may be covered by several licenses; your access to the data in these tables is dependent on the licenses you have.

Readers should have basic knowledge of Microsoft SQL Server 2005/2008.

Table Name Conventions

In QA Direct, database tables are grouped by name. Generally, the first few letters of the table name refer to the data vendor or licensing group. For example, all tables that begin with **OWN2*** are **Ownership Version 2** tables.

Ownership Tables

Use Ownership data to obtain information about large-scale holders of specific securities.

The QA Direct schema for Ownership Version 2 is organized into several categories:

- Holdings data
  - Unconsolidated
  - Consolidated
- Investor data
  - Profile
  - Contacts
  - Transaction (Insider date)

- Statistics data

- Instrument data

- Mapping data

Pervasive and Oracle

This document is specific to Microsoft SQL Server 2005/2008.

If you are accessing the data directly through the Pervasive database, you may encounter slight differences in index names and data types. Please note that references to Pervasive and Actian are synonymous.

If you are accessing the data through Oracle, note that field names that correspond to Oracle reserved words are appended with an underscore. For example, field names "Number", "Synonym", and "UID" become "Number_", "Synonym_", and "UID_" in Oracle.

Zero Values and Nulls

Null values are usually recorded as "NULL". Occasionally, a table may contain a value of "–99999" or "–9999"; in these cases, there is no recorded data for that period. (It is null.)

If the table contains a "0" value, the data was reported as having a "0" value.

Service and Support

MyRefinitiv is the Refinitiv portal that provides a single access point for timesaving support services, along with billing, user management, and information.

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  - **Content Notifications (DNs)** alert you to upcoming changes to real-time and historical data across all asset classes that are relevant to you.

  - **RIC Change Events** inform you of planned changes to Reuters Instrument Codes.

- **Service Alerts**

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- Under Product, select QADirect or Market QA from the drop down list.

- In the "How can we help you?" text box, include the following information:

    - Content set name (i.e. Worldscope)

    - Date applicable to a content inquiry

    - Table names and relevant fields

    - Security code (i.e. QA-ID, PermID, Sedol, InfoCode, etc.)

    - Script used to generate the output

    - Any other supporting detail

Telephone

QA Support: 1.866.427.8390

- Option 1 – Product Support

- Option 2 – Technical Support.

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We invite your comments, corrections, and suggestions about this document: access the Feedback option under Get Support at MyRefinitiv. Your feedback helps us continue to improve our user assistance.

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2   Ownership Version 2 Tables

Own2AsRepHldgShCla: Ownership As Reported Holdings Share Class

This table contains 'raw' (unaggregated) view of holdings data for the share class, showing all sources of holdings data for each owner.

Update Cycle: 30 minutes

Adjusted: Unadjusted

Indexes	Index Fields
pkey_Own2AsRepHldgShCla (Clustered)	OwnershipId, PositionId, FilingTypeCode, HoldDate, ShClaTypeCode

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
PositionId	int	No	Sequence number to uniquely identify each holdings report available for an investor
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
HoldDate	smalldatetime	No	Date of shares reported (YYYYMMDD)
ShClaTypeCode	int	No	Share Class Type Description. Cross references table Own2Code where Type_ = 4.
FundMgrId	bigint	Yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
NomActCode	varchar(20)	Yes	Account identifier of nominee.
ShdDspHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner shares joint authority with another owner as to the sale of the securities.
ShdVotHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner shares joint authority with another owner as to the voting of those shares.
SoleDspHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the sale of the securities.
SoleVotHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the voting of those shares.
TotalHldgs	bigint	Yes	Total number of shares held by owner in a particular class of securities of an issuer

Own2AsRepHoldPos: Ownership As reported Holdings Position

This table contains data common to 'Raw' and 'Unadjusted' holding positions.

Update Cycle: 30 minutes

Adjusted: Unadjusted

Indexes	Index Fields
pkey_Own2AsRepHoldPos (Clustered)	OwnershipId, PositionId, FilingTypeCode, HoldDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
PositionId	int	No	Sequence number to uniquely identify each holdings report available for an investor
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
HoldDate	smalldatetime	No	Date of shares reported (YYYYMMDD)
FundMgrId	bigint	Yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
LgcyFundMgrId	int	Yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
NomActCode	string	Yes	Account identifier of nominee
SharesHld	int	Yes	Shares held at the time of filing
PctShoutHld	float	Yes	Number of shares traded as a percentage of the shares outstanding. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldVal	float	Yes	Value of investor's holdings in a particular instrument (not adjusted for any corporate actions)
ShsHldChg	bigint	Yes	Change in the number of shares held since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldValChg	float	Yes	Change in the holdings value since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShdDspHldgs	bigint	Yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	bigint	Yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVAOth	bigint	Yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F

Field	Type	Nullable	Description
ShsHldVAShd	bigint	Yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another manager reported on the 13F
ShsHldVASole	bigint	Yes	Number of shares reported by an institutional (13F) owner over which the owner exercises sole investment discretion

Own2AsRepInvTrans: Ownership As reported Investor Transactions

This table contains raw (unaggreagated) investor transaction details.

Update Cycle: 30 minutes

Adjusted: Adjusted

Indexes	Index Fields
pkey_Own2AsRepInvTrans (Clustered)	OwnershipId, FilingTypeCode, FilingId

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
FilingId	int	No	Sequence number to uniquely identify each transaction available for an investor
ShsTrd	bigint	Yes	Number of shares acquired or disposed of by investor (adjusted for corporate actions)
ShsHld	bigint	Yes	Number of shares held as of the report date (split adjusted as of feed date)
IndirShsHld	bigint	Yes	For non-US and non-Canadian insiders: number of indirect shares held (as adjusted for corporate actions)

Own2CHoldDet: Ownership Holdings Details

This table contains a single, comprehensive view of holdings data, reflecting all corporate actions.

Update Cycle: 30 minutes

Adjusted: Adjusted

Indexes	Index Fields
pkey_Own2CHoldDet (Clustered)	OwnershipId, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	datetime	Yes	The date till which the data is effective
FilingTypeCode	int	Yes	Filing Type Description. Cross references table Own2Code where Type_ = 3.
HoldDate	dateTime	Yes	Date of shares reported (YYYYMMDD)
RgtdHolderId	int	Yes	Perm ID of the person or company holding the security on behalf of insider
LgcyRgtdHolderId	int	Yes	Unique internal identifier of the person or company holding the security on behalf of insider. Used when Perm ID not available for RegisteredHolderId.
DocCtrlNum	varchar(10)	Yes	The Document Control Number for US S.E.C. filing
HoldTypeCode	varchar(5)	Yes	Ownership Type Description
ShsHld	bigint	Yes	Value of investor's holdings in a particular instrument
PctShoutHld	float	Yes	Percentage of shares outstanding that shares represent
ShsHldVal	float	Yes	Value of investor's holdings in a particular instrument
ShsHldChg	bigint	Yes	Change in the holdings value since the previous filing. Consolidated view of holdings.
ShsHldValChg	float	Yes	Change in the number of shares held since the previous filing. Consolidated view of holdings.
ShdDspHldgs	int	Yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	int	Yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVASole	int	Yes	The number of shares over which the owner exercises sole authority as to the voting of those shares.
ShsHldVAShd	int	Yes	The number of shares over which the owner shares joint authority with another owner as to the voting of those shares.
ShsHldVAOth	int	Yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F

Own2CHoldShCla: Ownership Holdings Share Class

This table contains a single, comprehensive view of holdings data for share class, reflecting all corporate actions.

Update Cycle: 30 minutes

Adjusted: Adjusted

Indexes	Index Fields
pkey_Own2CHoldShCla (Clustered)	OwnershipId, ShClaTypeCode, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
ShClaTypeCode	int	No	Share Class Type Description. Cross references table Own2Code where Type_ = 4.
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
HoldDate	smalldatetime	Yes	Date of shares reported (YYYYMMDD)
FilingTypeCode	int	Yes	Filing Type Description. Cross references table Own2Code where Type_ = 3.
ShdDspHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner shares joint authority with another owner as to the sale of the securities.
ShdVotHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner shares joint authority with another owner as to the voting of those shares.
SoleDspHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the sale of the securities.
SoleVotHldgs	bigint	Yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the voting of those shares.
TotalHldgs	bigint	Yes	Total number of shares held by owner in a particular class of securities of an issuer

Own2CikInvReln: Ownership CIK Investor Relationship

This table contains mapping of Investor to SEC Central Index Key (CIK).

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2CikInvReln (Clustered)	LgcyInvestorId, CIK

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
CIK	bigint	No	U.S. Securities & Exchange Commission Central Index Key identifier (CIK)
InvestorId	bigint	Yes	Cik Investor Investor ID
RelnRepDate	smalldatetime	No	Date that SEC Central Index Key (CIK) associated with Investor Perm ID

Own2Cmp13FPortFolio: Ownership Company 13F Portfoloio

The table contains the 13F portfolios that were processed completely for that day. It will be updated once all the individual holdings in a 13F portfolio are processed.

Update Cycle: Daily

Adjusted: N/A

Indexes	Index Fields
pkey_Own2Cmp13FPortFolio (Clustered)	OwnershipId, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
EffectFromDate	smalldatetime	No	The date starting which the data is effective
ReportDate	smalldatetime	Yes	Holdings date for investor
LgcyInvestorId	bigint	Yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record

Own2Code: Ownership Code

This table contains translations for codes of an integer datatype.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2Code (Clustered)	Type_, Code

Field	Type	Nullable	Description
Type_	int	No	Type_ is a numeric code for a type of data
Code	nvarchar(10)	No	Code is a coded value for an element of Type_

Field	Type	Nullable	Description
Desc_	nvarchar(200)	Yes	Desc_ is a plain-language description of the element defined by Type_ and Code

Own2FndStats: Ownership Fundamentals Statistics

This table contains Fundamental Ratio Weightings by Index, Sector, etc.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2FndStats (Clustered)	OwnFndTypeCode, OwnFndSubTypeId, IncWrntsCert, CalcBasisCode

Field	Type	Nullable	Description
OwnFndTypeCode	int	No	Indicates if Ownership Fundamentals are for Index, Sector, etc. Cross references table Own2Code where Type_ = 8. The options are: • 1 = Stock Index Id • 2 = Sector • 3 = Instrument • 4 = Investor/Instrument
OwnFndSubTypeId	bigint	No	Perm ID for Stock Index, Sector, Instrument or Ownership
IncWrntsCert	tinyint	No	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	Yes	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
MktCap	float	Yes	Market capitalisation
WtEPS3YrAnnGR	float	Yes	((Current Year's Earnings Per Share/ Earnings Per Share four years ago, reduced to a compound annual rate) – 1) * 1.
WtSales3YrAnnGR	float	Yes	((Current Year's Net Sales or Revenues / Net Sales or Revenues four years ago, reduced to a compound annual rate) – 1) * 1.
WtEPS5YrProjGR	float	Yes	5 year growth projection.

Field	Type	Nullable	Description
WtGrossPrftMrgn	float	Yes	Gross Income / Net Sales or Revenues * 1.
WtLTermD2E	float	Yes	All Industries:
WtLTermD2TotCap	float	Yes	Long Term Debt / Total Capital * 1. Portfolio-weighted calculation performed.
WtNetInc	float	Yes	NET INCOME - BOTTOM LINE represents income after all operating and non-operating income and expense, reserves, income taxes, minority interest and extraordinary items.
WtNetMrgn	float	Yes	Net Income before Preferred Dividends / Net Sales or Revenues * 1.
WtOpPrftMrgn	float	Yes	Operating Income / Net Sales or Revenues * 1 Portfolio-weighted calculation performed.
WtPE12mFwd	float	Yes	Forward price to earnings - The price/earnings ratio for the company based on most recent closing price in the Thomson Financial database and the Thomson Financial annual mean expected earnings for the fiscal period selected(12 months in this case). For example, a company's FY1 P/E ratio would be calculated by dividing the latest closing price by the mean FY1 EPS forecast. Portfolio-weighted calculation performed.
WtPE12mTr	float	Yes	Market Price-Current / Earnings Per Share-Last 12 Months Portfolio-weighted calculation performed.
WtDivPORatioPS	float	Yes	Dividends Per Share / Earnings Per Share * 1
WtPE2GR	float	Yes	"PEG - The price/earnings to growth ratio for the company for the fiscal period selected. The numerator in the equation is the P/E ratio for the fiscal period selected (see P/E Ratio – Estimate). The denominator is the appropriate growth rate for the fiscal period (as described below). FY1 PEG: (FY1 P/E) / (FY1/FY Growth) FY2 PEG: (FY2 P/E) / (FY2/FY1 Growth) FY3 PEG: (FY3 P/E) / (FY3/FY2 Growth) 12-Month-Forward PEG: (12-Month-Forward P/E) / (Long Term Growth Median) 12-Month-Forward PEG*: (12-Month-Forward P/E) / (12-Month-Forward Growth) 24-Month-Forward PEG: (24-Month-Forward P/E) / (Long Term Growth Median) 24-Month-Forward PEG*: (24-Month-Forward P/E) / (24-Month-Forward Growth) Portfolio-weighted calculation performed."
WtP2B	float	Yes	Market Price-Current / Book Value Per Share-Current Portfolio-weighted calculation performed
WtP2SalesPS	float	Yes	Market Price–Year End / Sales Per Share Portfolio-weighted calculation performed

Field	Type	Nullable	Description
WtRev	float	Yes	NET SALES OR REVENUES represent gross sales and other operating revenue less discounts, returns and allowances. Transformation applied - converted to USD. Portfolio-weighted calculation performed.

Field	Type	Nullable	Description
WtROA	float	Yes	"Industrial Companies: Annual Time Series: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's and Current Year's Total Assets * 100 Banks: Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's (Total Assets - Customer Liabilities on Acceptances) and Current Year's (Total Assets - Customer Liabilities on Acceptances) * 100. Customer Liabilities on Acceptances only subtracted when included in Total Assets Insurance Companies: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) *(1-Tax Rate))) + Policyholders' Surplus) / Average of Last Year's and Current Year's Total Assets * 100 Other Financial Companies: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's (Total Assets - Custody Securities) and Current Year's (Total Assets - Custody Securities) * 100 Exceptions: U.S. Companies: Standard Tax Rate Used in Calculations: 86 and prior years: 46% 87 to 94: 34% 95 and subsequent years: 35% All Industries: Interim Time Series: ((Trailing 12 Months Net Profit + (Trailing 12 Months Interest Expense On Debt * (1-Tax Rate / 100)))) / Average of Last Year's and Current Year's Total Assets * 100 These calculations use restated data for last years values where available. If current year tax is > 1, no adjustment is made; if NA, prior period rate is used.. Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
WtROE	float	Yes	"All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement) / Average of Last Year's and Current Year's Common Equity * 100 For Insurance companies, Policyholders' Surplus is substituted where Net Income before Preferred Dividends is not available and Policyholders' Equity where Common Equity is not available. Exceptions: Finland (95 and prior years) and Norway (93 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease) / (Average of Last Year's and Current Year's Non-Equity Reserves + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (88 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .5) / (Average of Last Year's and Current Year's(Non-Equity Reserves * .5) + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (89): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of (Last Year's Non Equity Reserve *.5 and Current Year's Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (90-92): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of Last Year's and Current Year's (Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (93): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves Increase/Decrease) / (Average of (Last Year's Non Equity Reserve *.7 and Current Year's Non- Equity Reserves)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (94 and subsequent years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement / Average of Last Year's and Current Years Common Equity * 100 Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
WtDivYld	float	Yes	"All Industries: Dividends Per Share-Last 12 Months / Market Price-Current * 100 Exceptions: U.S. and Canadian Companies: Indicated Dividend Rate / Market Price-Current * 100 This item is also available at the security level. Portfolio-weighted calculation performed."

Own2FundMgrReln

This table links mutual funds to investment firms.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2FundMgrReln (Clustered)	LgcyInvestorId, LgcyFundId

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
LgcyFundId	int	No	Legacy internal Ownership unique identifier for funds proxied by Ownership rather than the appropriate database or record.
InvestorID	bigint	Yes	Fund Manager Investor ID
FundId	bigint	Yes	Perm ID for fund

Own2FundMgrRelnChg

This table links mutual funds to investment firms.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2FundMgrRelnChg (Clustered)	LgcyInvestorId, LgcyFundId, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorId	integer	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.

Field	Type	Nullable	Description
LgcyFundId	integer	No	Legacy internal Ownership unique identifier for funds proxied by Ownership rather than the appropriate database or record.
EffectFromDate	datetime	No	Date from which firm/fund relationship is valid.
InvestorId	bigint	Yes	Perm ID for a particular investor/owner.
FundId	bigint	Yes	Perm ID for fund.
EffectToDate	datetime	Yes	End date for which firm/fund relationship is valid.
IsPrimaryMgr	tinyint	Yes	Indicates if the firm is the primary investment manager for the fund.

Own2InstrAdjRatio: Ownership Instrument Adjusted Ratio

This table provides stock split details used to adjust shareholdings.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrAdjRatio (Clustered)	InstrumentID, Date_

Field	Type	Nullable	Description
InstrumentID	bigint	No	Instrument Shs Out Instrument Id
Date_	smalldatetime	No	Date of stock split used in calculating various data elements.
Ratio	float	Yes	Ratio of stock split used in calculating various data elements.
CumRatio	float	Yes	Instrument Shs Out Instrument Id
AdjTypeCode	tinyint	Yes	Describes the type of stock split e.g., corporate action, stock dividend etc. Cross refrences table Own2Code where Type_ = 44. The options are: • 1 = (CORPACT) Single stock split • 2 = (STOCKDIV) Single stock dividend • 3 = (AGGCORPACT) Multiple stock splits • 4 = (AGGSTOCKDIV) Multiple stock dividends • 5 = (AGGCORPACTDIV) Multiple splits involving an aggregation of stock dividends and other corporate

Own2InstrFnd: Ownership Instrument Fundamentals

This table contains the underlying ratios and other fundamentals used in weighted calculations (e.g., portfolio weightings).

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrFnd (Clustered)	InstrId

Field	Type	Nullable	Description
InstrId	bigint	No	Instrument Fundamentals Instrument Id
EPS3YrAnnGR	float	Yes	((Current Year's Earnings Per Share/ Earnings Per Share four years ago, reduced to a compound annual rate) – 1) * 1.
Sales3YrAnnGR	float	Yes	((Current Year's Net Sales or Revenues / Net Sales or Revenues four years ago, reduced to a compound annual rate) – 1) * 1.
EPS5YrProjGR	float	Yes	Definition-TBD
GrossPrftMrgn	float	Yes	Gross Income / Net Sales or Revenues * 1.
LTermD2E	float	Yes	"All Industries: Long Term Debt / Common Equity * 1 Insurance Companies: If Common Equity is not available, Policyholders Equity is substituted Underlying fundamental used in weighted calculations."
LTermD2TotCap	float	Yes	Long Term Debt / Total Capital * 1.
NetInc	float	Yes	"NET INCOME - BOTTOM LINE represents income after all operating and non-operating income and expense, reserves, income taxes, minority interest and extraordinary items. Transformation applied - converted to USD. Underlying fundamental used in weighted calculations."
NetMrgn	float	Yes	Net Income before Preferred Dividends / Net Sales or Revenues * 1.
OpPrftMrgn	float	Yes	Operating Income / Net Sales or Revenues * 1 Underlying fundamental used in weighted calculations.
PE12mFwd	float	Yes	"Forward price to earnings - The price/earnings ratio for the company based on most recent closing price in the Thomson Financial database and the Thomson Financial annual mean expected earnings for the fiscal period selected(12 months in this case). For example, a company's FY1 P/E ratio would be calculated by dividing the latest closing price by the mean FY1 EPS forecast. Underlying fundamental used in weighted calculations."
PE12mTrl	float	Yes	Market Price-Current / Earnings Per Share-Last 12 Months

Field	Type	Nullable	Description
DivPORatioPS	float	Yes	Dividends Per Share / Earnings Per Share * 1 Underlying fundamental used in weighted calculations.
PE2GR	float	Yes	"PEG - The price/earnings to growth ratio for the company for the fiscal period selected. The numerator in the equation is the P/E ratio for the fiscal period selected (see P/E Ratio – Estimate). The denominator is the appropriate growth rate for the fiscal period (as described below). FY1 PEG: (FY1 P/E) / (FY1/FY Growth) FY2 PEG: (FY2 P/E) / (FY2/FY1 Growth) FY3 PEG: (FY3 P/E) / (FY3/FY2 Growth) 12-Month-Forward PEG: (12-Month-Forward P/E) / (Long Term Growth Median) 12-Month-Forward PEG*: (12-Month-Forward P/E) / (12-Month-Forward Growth) 24-Month-Forward PEG: (24-Month-Forward P/E) / (Long Term Growth Median) 24-Month-Forward PEG*: (24-Month-Forward P/E) / (24-Month-Forward Growth) Underlying fundamental used in weighted calculations."
P2B	float	Yes	Market Price-Current / Book Value Per Share-Current
P2SalesPS	float	Yes	Market Price–Year End / Sales Per Share Underlying fundamental used in weighted calculations.
Rev	float	Yes	"NET SALES OR REVENUES represent gross sales and other operating revenue less discounts, returns and allowances. Transformation applied - converted to USD. Underlying fundamental used in weighted calculations."

Field	Type	Nullable	Description
ROA	float	Yes	"Industrial Companies:
			Annual Time Series:
			(Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax
			Rate))) / Average of Last Year's and Current Year's Total Assets * 100
			Banks:
			Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax
			Rate))) / Average of Last Year's (Total Assets - Customer Liabilities on Acceptances) and Current Year's
			(Total Assets - Customer Liabilities on Acceptances) * 100. Customer Liabilities on Acceptances only
			subtracted when included in Total Assets
			Insurance Companies:
			(Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) *(1-Tax
			Rate))) + Policyholders' Surplus) / Average of Last Year's and Current Year's Total Assets * 100
			Other Financial Companies:
			(Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax
			Rate))) / Average of Last Year's (Total Assets - Custody Securities) and Current Year's (Total Assets -
			Custody Securities) * 100
			Exceptions:
			U.S. Companies:
			Standard Tax Rate Used in Calculations:
			86 and prior years: 46%
			87 to 94: 34%
			95 and subsequent years: 35%
			All Industries:
			Interim Time Series:
			((Trailing 12 Months Net Profit + (Trailing 12 Months Interest Expense On Debt * (1-Tax Rate / 100)))) /
			Average of Last Year's and Current Year's Total Assets * 100
			These calculations use restated data for last years values where available. If current year tax is > 1, no
			adjustment is made; if NA, prior period rate is used..
			Underlying fundamental used in weighted calculations."

Field	Type	Nullable	Description
ROE	float	Yes	"All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement) / Average of Last Year's and Current Year's Common Equity * 100 For Insurance companies, Policyholders' Surplus is substituted where Net Income before Preferred Dividends is not available and Policyholders' Equity where Common Equity is not available. Exceptions: Finland (95 and prior years) and Norway (93 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease) / (Average of Last Year's and Current Year's Non-Equity Reserves + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (88 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .5) / (Average of Last Year's and Current Year's(Non-Equity Reserves * .5) + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (89): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of (Last Year's Non Equity Reserve *.5 and Current Year's Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (90-92): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of Last Year's and Current Year's (Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (93): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves Increase/Decrease) / (Average of (Last Year's Non Equity Reserve *.7 and Current Year's Non- Equity Reserves)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (94 and subsequent years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement / Average of Last Year's and Current Years Common Equity * 100 Underlying fundamental used in weighted calculations."

Field	Type	Nullable	Description
DivYld	float	Yes	"All Industries: Dividends Per Share-Last 12 Months / Market Price-Current * 100 Exceptions: U.S. and Canadian Companies: Indicated Dividend Rate / Market Price-Current * 100 This item is also available at the security level. Underlying fundamental used in weighted calculations."

Own2InstrFreeFlt: Ownership Instrument Free Float

This table provides the number of shares outstanding of an instrument that are held by investors deemed to be strategic owners.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrFreeFlt (Clustered)	InstrId, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
InstrId	bigint	No	Instrument Free Float Instrument Id
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
FreeFlt	bigint	Yes	"Shares Outstanding - Treasury Shares (if applicable) - (Shares held by Strategic Entities–Corporations + Shares held by Strategic Entities–Holding Companies + Shares held by Strategic Entities–Individuals + Shares held by Strategic Entities–Government Agencies)"
FreeFltPct	float	Yes	Free Float as a percentage of Shares Outstanding
FreeFltAltMthd	float	Yes	Calculation is similar to that for FreeFloatPct. However, certain owners are considered strategic holders only if they hold 5% or more of a company's shares outstanding.
ShsHldStgInv	bigint	Yes	Represents the number of shares held by strategic investors (Corporations, Holding Companies, Individuals and Government Agencies).
PctShsHldGovt	float	Yes	The percentage of total shares in issue held by a government or government institution.

Field	Type	Nullable	Description
PctShsHldCxHldgs	float	Yes	The percentage of total shares in issue held by one company in another.
PctShsHldPsnFnd	float	Yes	The percentage of total shares in issue held by pension funds or endowment funds.
PctShsHldInvCo	float	Yes	The percentage of total shares in issue held as long term strategic holdings by investment banks or institutions seeking a long term return.
PctShsHldEmp	float	Yes	The percentage of total shares in issue held by employees, or by those with a substantial position in a company that provides significant voting power at an annual general meeting, (typically family members).
PctShsHldFgnInv	float	Yes	The percentage of total shares in issue held by an institution domiciled in a country other than that of the issuer.
PctShsHldOth	float	Yes	The percentage of total shares in issue held strategically outside one of the above categories (e.g., philanthropic foundations).

Own2InstrPrc: Ownership Instrument Pricing

This table provides instrument pricing used in various calculations.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrPrc (Clustered)	InstrId, EffectFromDate

Field	Type	Nullable	Description
InstrId	bigint	No	Instrument Shs Out Instrument Id
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	datetime	Yes	The date till which the data is effective
StkPrcDate	smalldatetime	Yes	Date of stock price
PrcCloseAct	float	Yes	Closing price of stock used in calculating various data elements.; unadjusted for any stock splits
PrcCloseAdj	float	Yes	Closing price of stock used in calculating various data elements.; adjusted for any stock splits

Own2InstrShOut: Ownership Instrument Shares Outstanding

This table provides shares outstanding used in various calculations.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrShOut (Clustered)	InstrId, EffectFromDate

Field	Type	Nullable	Description
InstrId	bigint	No	Instrument Shs Out Instrument Id
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	datetime	Yes	The date till which the data is effective
ShOutDate	smalldatetime	Yes	Date of Shares Outstanding used in calculating various data elements.
NumOfShOut	bigint	Yes	Number of Shares Outstanding used in calculating various data elements.

Own2InstrStats: Ownership Instrument Statistics

This table contains aggregated calculations (e.g., investor counts) at the instrument level.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InstrStats (Clustered)	InstrId, StatTypeCode, StatTypeVal, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
InstrId	bigint	No	Instrument Statistics Instrument ID
StatTypeCode	int	No	Describes the category of instrument statistics being presented. Cross references table Own2Code where Type_ = 15. The options are: • 1 = Investor Type • 2 = Investor Style • 3 = Region • 4 = Rotation • 5 = Country • 6 = Metro Area
StatTypeVal	int	No	Indicates whether calculation relates to holdings rotation, investor style, investor type or region.

Field	Type	Nullable	Description
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
InvCount	int	Yes	Number of investors in a particular category (e.g., region, investor type, etc.) that hold a particular instrument
OwnPct	float	Yes	Total percentage of shares outstanding of a particular instrument held by investors in a particular category (e.g., region, investor type, etc.)
ShsHld	bigint	Yes	Number of shares held as of the report date (split adjusted as of feed date)
ShsHldVal	float	Yes	Value of investor's holdings in a particular instrument

Own2InvAstAlloc: Ownership Investor Asset Allocation

This table contains data indicating the amount of assets held by buy-side firms in various asset classes in selected regions. Assets are indicated by range, not by a specific value.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvAstAlloc (Clustered)	LgcyInvestorId

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	Yes	Investor Asset Allocation Investor ID
AstAllocReg	varchar(50)	Yes	Description of asset allocation region code.
EqAstAlloc	varchar(50)	Yes	Code indicating the amount of investor's assets held in equity assets.
FIAstAlloc	varchar(50)	Yes	Code indicating the amount of investor's assets held in fixed income assets.
CashAstAlloc	varchar(50)	Yes	Code indicating the amount of investor's assets held in cash.
TotAstAlloc	varchar(50)	Yes	Code indicating the amount of investor's assets held in all assets.

Own2InvContAddr: Ownership Investor Contact Address

This table contains address information for buy-side and sell-side contacts.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvContAddr (Clustered)	LgcyPersonId, AddrTypeCode

Field	Type	Nullable	Description
LgcyPersonId	int	No	Investor Contact Address Legacy Person ID
AddrTypeCode	int	No	Description of investor contact's type of address. Cross references table Own2Code where Type_ = 9. The options are: • 1 (AT1) = Unknown • 2 (AT2) = Location • 3 (AT3) = Mailing • 4 (AT4) = Nationality or Incorporation
PersonId	int	Yes	Investor Contact Address Person ID
Email	varchar(100)	Yes	E-mail address for investor contact
TeleCntryId	int	Yes	Country dialing code for investor contact telephone number
TeleAreaCode	int	Yes	Area code for investor contact telephone number
TelePhone	varchar(16)	Yes	Telephone number of investor contact
Extn	int	Yes	Extension for telephone number of investor contact
FaxCntryId	int	Yes	Country dialing code for investor contact fax number
FaxAreaCode	int	Yes	Area code for investor contact fax number
Fax	varchar(16)	Yes	Fax number for investor contact
AddrLine1	varchar(50)	Yes	Investor contact's street address
AddrLine2	varchar(50)	Yes	Investor contact's street address
AddrLine3	varchar(50)	Yes	Investor contact's street address
City	varchar(50)	Yes	Investor contact city
StateProvId	int	Yes	Perm ID of investor contact's state or province
PostalCode	varchar(10)	Yes	Investor contact's Postal/zip code
CntryId	int	Yes	Perm ID of investor contact's country
MetroAreaId	int	Yes	Perm ID of investor contacts's metro area

Own2InvContBio: Ownership Investor Contact Bio

This table contains biographical information for investor contacts, including employment history, education, etc.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvContBio (Clustered)	LgcyPersonId, BioTypeCode

Field	Type	Nullable	Description
LgcyPersonId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
BioTypeCode	int	No	Indicates biographical section. Cross references table Own2Code where Type_ = 12. The options are: • 1 (AWARD) = Awards • 2(EDU) = Education • 3 (EMP) = Employment History • 4 (FFM) = Funds Formerly Managed • 5 (GEN) = General Information • 6 (PREF) = Preferences • 7 (PUB) = Publications
PersonId	int	Yes	Investor Contact Biography Person ID
Bio	varchar(4000)	Yes	Biographical information for investor contact

Own2InvContProf: Ownership Investor Contact Profile

This table contains Investor Contact Profiles.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvContProf (Clustered)	LgcyPersonId

Field	Type	Nullable	Description
LgcyPersonId	int	No	Investor Contact Profile Legacy Person ID
PersonId	int	Yes	Investor Contact Profile Person ID
FirstName	varchar(30)	Yes	First name of Contact
LastName	varchar(36)	Yes	Last Name of Contact

Field	Type	Nullable	Description
MiddleInitial	varchar(8)	Yes	Middle Initial of Contact
Suffix	varchar(4)	Yes	Suffix (Jr., Sr., IV) of Contact
Honorific	varchar(16)	Yes	Honorific/Title of Contact (Mr., Ms.)
Gender	char(1)	Yes	Gender of Contact

Own2InvContReln: Ownership Contact Relationship

This table links contacts to the institutional investor for which they work.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvContReln (Clustered)	LgcyInvestorId, LgcyPersonId

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
LgcyPersonId	bigint	No	Investor Contact Relationship Legacy Person ID
InvestorId	int	Yes	Investor Contact Investor ID
PersonId	int	Yes	Investor Contact Relationship Person ID
ContRoleId	int	Yes	Perm ID for the role/job of the investor contact
ContRole	varchar(45)	Yes	Role/job of the investor contact -- taken from CMS+ database, rather than People Authority
ContRank	int	Yes	Ranking for investor contact. Useful in identifying primary contact for firm.

Own2InvContSpec: Ownership Investor Contact Specialization

This table links contacts and the investment styles, regions, industries and market caps in which they specialize.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvContSpec (Clustered)	LgcyPersonId, SpecCode

Field	Type	Nullable	Description
LgcyPersonId	int	No	Investor Contact Specialties Legacy Person ID

Field	Type	Nullable	Description
SpecCode	int	No	Indicates the specific industry, investment style or market cap range in which the Investor Contact specializes. Cross references table Own2Code where Type_ = 13.
PersonId	int	Yes	Investor Contact Specialties Person ID
SpecCat	nvarchar(100)	Yes	"Specialty type: • 1 = Industry • 2 = Geographic Region • 3 = Market Capitalization • 4 = Investment Style"

Own2InvHldgsTO: Ownership Investor Holdings Percent

This table contains information on volume of shares traded as a percentage of total shares held in an investor's portfolio.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvHldgsTO (Clustered)	LgcyInvestorId, IncWrntsCert, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Investor Holdings Turnover Legacy Investor ID
IncWrntsCert	tinyint	No	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
InvestorId	bigint	Yes	Investor Holdings Turnover Investor ID
OwnTurnover	float	Yes	Measure of owner's trading activity relative to its assets, expressed as a percentage.

Field	Type	Nullable	Description
OwnTurnoverRtng	varchar(5)	Yes	Textual Description for OwnershipTurnoverRatingCode. Qualitative value for Turnover Value as follows: • 0 = N/A • 1 = Low • 2 = Medium • 3 = High • 4 = Very High

Own2InvInstrStats: Ownership Investor Instrument Statistics

This table contains instrument-related calculations specific to an investor's portfolio.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvInstrStats (Clustered)	OwnershipId, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
PctPortfolio	float	Yes	Percent of investor's portfolio value that a holding in a particular instrument represents.

Own2InvEqAsset: Ownership Investor Equity Assets

This is an investor level table that contains historical time-series for TotalEquityAssets. This data can be used for deriving Percent of Portfolio.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	IndexFields
Pkey_Own2InvEqAsset (Clustered)	LgcyInvestorID, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorID	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective.
InvestorID	bigint	Yes	Ownership Investor ID.
EffectToDate	smalldatetime	Yes	The date till which the data is effective.
EqAssetHoldVal	float	Yes	Investor's equity asset holding value.

Own2InvMap: Ownership Investor Mapping

This table links Investor ID to OwnerCode from (older Ownership feed). This applies to only those clients having both old and new Ownership content.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvMap (Clustered)	Id

Field	Type	Nullable	Description
Id	int	No	Internally generated unique ID.
LgcyInvestorId	int	Yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record
InvestorId	bigint	Yes	Investor Perm ID
InvestorName	varchar(200)	Yes	Investor Name
OwnerCode	int	Yes	Unique identifier for a given owner (it belongs to Ownership version 1)
CIK	bigint	Yes	U.S. Securities & Exchange Commission Central Index Key identifier (CIK)

Own2InvPortStats: Ownership Investor Portfolio Statistics

This table contains company-related ratios aggregated to portfolio level for each investor.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvPortStats (Clustered)	LgcyInvestorId, IncWrntsCert, CalcBasisCode

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Investor Portfolio Statistics Legacy Investor ID
IncWrntsCert	tinyint	No	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	Yes	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
InvestorId	bigint	Yes	Investor Portfolio Statistics Investor ID
TotalAsts	float	Yes	Total value of all holdings (equity, fixed income, cash, etc.) for an investor
TotalEqAsts	float	Yes	Total value of equity holdings for an investor
TotalFIAsts	float	Yes	Total value of fixed holdings for an investor (as surveyed by Refinitiv)
InstrBought	int	Yes	# of Securities purchased when compared to previous portfolio
InstrSold	int	Yes	# of Securities sold when compared to previous portfolio
InstrHld	int	Yes	# of Securities held by an owner
AggHldgsVal	float	Yes	"Sum of all individual issue value (value) held by the investor.If the fundamental data item is not available for an issue, the issue is not considered for the computation. Value for the individual issues is summed up by owner."
AggEPS3YrAnnGR	float	Yes	((Current Year's Earnings Per Share/ Earnings Per Share four years ago, reduced to a compound annual rate) – 1) * 1
AggSales3YrAnnGR	float	Yes	((Current Year's Net Sales or Revenues / Net Sales or Revenues four years ago, reduced to a compound annual rate) – 1) * 1
AggEPS5YrProjGR	float	Yes	Definition-TBD Portfolio-weighted calculation performed

Field	Type	Nullable	Description
AggGrossPrftMrgn	float	Yes	Gross Income / Net Sales or Revenues * 1
AggLTermD2E	float	Yes	"All Industries: Long Term Debt / Common Equity * 1 Insurance Companies: If Common Equity is not available, Policyholders Equity is substituted Portfolio-weighted calculation performed."
AggLTermD2TotCap	float	Yes	Long Term Debt / Total Capital * 1. Portfolio-weighted calculation performed.
AggNetInc	float	Yes	"NET INCOME - BOTTOM LINE represents income after all operating and non-operating income and expense, reserves, income taxes, minority interest and extraordinary items. Transformation applied - converted to USD. Portfolio-weighted calculation performed."
AggNetMrgn	float	Yes	Net Income before Preferred Dividends / Net Sales or Revenues * 1
AggOpPrftMrgn	float	Yes	Operating Income / Net Sales or Revenues * 1 Portfolio-weighted calculation performed
AggPE12mFwd	float	Yes	"Forward price to earnings - The price/earnings ratio for the company based on most recent closing price in the Thomson Financial database and the Thomson Financial annual mean expected earnings for the fiscal period selected(12 months in this case). For example, a company's FY1 P/E ratio would be calculated by dividing the latest closing price by the mean FY1 EPS forecast. Portfolio-weighted calculation performed."
AggPE12mTrl	float	Yes	Market Price-Current / Earnings Per Share-Last 12 Months
AggDivPORatioPS	float	Yes	Dividends Per Share / Earnings Per Share * 1 Portfolio-weighted calculation performed.

Field	Type	Nullable	Description
AggPE2GR	float	Yes	"PEG - The price/earnings to growth ratio for the company for the fiscal period selected. The numerator in the equation is the P/E ratio for the fiscal period selected (see P/E Ratio – Estimate). The denominator is the appropriate growth rate for the fiscal period (as described below). FY1 PEG: (FY1 P/E) / (FY1/FY Growth) FY2 PEG: (FY2 P/E) / (FY2/FY1 Growth) FY3 PEG: (FY3 P/E) / (FY3/FY2 Growth) 12-Month-Forward PEG: (12-Month-Forward P/E) / (Long Term Growth Median) 12-Month-Forward PEG*: (12-Month-Forward P/E) / (12-Month-Forward Growth) 24-Month-Forward PEG: (24-Month-Forward P/E) / (Long Term Growth Median) 24-Month-Forward PEG*: (24-Month-Forward P/E) / (24-Month-Forward Growth) Portfolio-weighted calculation performed."
AggP2B	float	Yes	Market Price-Current / Book Value Per Share-Current Portfolio-weighted calculation performed
AggP2SalesPS	float	Yes	Market Price–Year End / Sales Per Share Portfolio-weighted calculation performed
AggRev	float	Yes	"NET SALES OR REVENUES represent gross sales and other operating revenue less discounts, returns and allowances. Transformation applied - converted to USD. Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
AggROA	float	Yes	"Industrial Companies: Annual Time Series: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's and Current Year's Total Assets * 100 Banks: Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's (Total Assets - Customer Liabilities on Acceptances) and Current Year's (Total Assets - Customer Liabilities on Acceptances) * 100. Customer Liabilities on Acceptances only subtracted when included in Total Assets Insurance Companies: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) *(1-Tax Rate))) + Policyholders' Surplus) / Average of Last Year's and Current Year's Total Assets * 100 Other Financial Companies: (Net Income before Preferred Dividends + ((Interest Expense on Debt-Interest Capitalized) * (1-Tax Rate))) / Average of Last Year's (Total Assets - Custody Securities) and Current Year's (Total Assets - Custody Securities) * 100 Exceptions: U.S. Companies: Standard Tax Rate Used in Calculations: 86 and prior years: 46% 87 to 94: 34% 95 and subsequent years: 35% All Industries: Interim Time Series: ((Trailing 12 Months Net Profit + (Trailing 12 Months Interest Expense On Debt * (1-Tax Rate / 100)))) / Average of Last Year's and Current Year's Total Assets * 100 These calculations use restated data for last years values where available. If current year tax is > 1, no adjustment is made; if NA, prior period rate is used.. Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
AggROE	float	Yes	"All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement) / Average of Last Year's and Current Year's Common Equity * 100 For Insurance companies, Policyholders' Surplus is substituted where Net Income before Preferred Dividends is not available and Policyholders' Equity where Common Equity is not available. Exceptions: Finland (95 and prior years) and Norway (93 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease) / (Average of Last Year's and Current Year's Non-Equity Reserves + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (88 and prior years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .5) / (Average of Last Year's and Current Year's(Non-Equity Reserves * .5) + Average of Last Year's and Current Year's Common Equity) * 100 Sweden (89): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of (Last Year's Non Equity Reserve *.5 and Current Year's Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (90-92): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves- Increase/Decrease * .7) / (Average of Last Year's and Current Year's (Non-Equity Reserves * .7)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (93): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement + Reserves Increase/Decrease) / (Average of (Last Year's Non Equity Reserve *.7 and Current Year's Non- Equity Reserves)+ Average of Last Year's and Current Year's Common Equity) * 100 Sweden (94 and subsequent years): All Industries: (Net Income before Preferred Dividends - Preferred Dividend Requirement / Average of Last Year's and Current Years Common Equity * 100 Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
AggDivYld	float	Yes	"All Industries: Dividends Per Share-Last 12 Months / Market Price-Current * 100 Exceptions: U.S. and Canadian Companies: Indicated Dividend Rate / Market Price-Current * 100 This item is also available at the security level. Portfolio-weighted calculation performed."

Own2InvProfile – Ownership Investor Profile

This issuer level table shows the textual profiles of investors – e.g., investment approach, affiliations, etc.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	IndexFields
Pkey_ Own2InvProfile (Clustered)	LgcyInvestorId, TypeId

Field	Type	Nullable	Description
LgcyInvestorId	integer	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
TypeId	integer	No	Indicates type of profile text (i.e., affiliations, investment approach)
InvestorId	bigint	Yes	Investor Profile Investor ID
ProfileText	varchar(4000)	Yes	Details affiliations and investment approach for investor

Own2InvReln: Ownership Investor Relationship

This issuer level table shows the linkage between shareholders with joint venture, association, mother/relative and subsidiaries' relationship.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	IndexFields
Pkey_Own2InvReln (Clustered)	IssuerId, RelnDate, LangCode

Field	Type	Nullable	Description
IssuerId	bigint	No	Perm ID for relevant issuer.
RelnDate	smalldatetime	No	Date for which relationship text applies.

Field	Type	Nullable	Description
LangCode	tinyint	No	Denotes the language in which relationship is described. Cross references table Own2Code where Type_ = 45.
InvRelnDesc	nvarchar(4000)	Yes	Textual description of relationship between shareholders.

Own2InvResume: Ownership Investor Resume

This table contains general information about investor, such as address.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvResume (Clustered)	LgcyInvestorId

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	Yes	Ownership Investor ID
FullName	varchar(80)	Yes	Full Name (First and Last) of Investor
InvTypeCode	varchar(40)	Yes	Investor Type Description (e.g., institutions, strategic entities, etc). Cross references table Own2Code where Type_ = 1.
AddrLine1	varchar(80)	Yes	Investor's street address
AddrLine2	varchar(80)	Yes	Investor's street address
AddrLine3	varchar(80)	Yes	Investor's street address
City	varchar(30)	Yes	Investor city
StateProvId	int	Yes	Perm ID of investor's state or province
PostalCode	varchar(14)	Yes	Investor's Postal/zip code
CntryId	int	Yes	Perm ID of investor's country
Phone	varchar(30)	Yes	Phone number for investor
Fax	varchar(30)	Yes	Fax number for investor
MetroAreaId	int	Yes	Perm ID of investor's metro area
USRegionId	int	Yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar(10)	Yes	Code for investment style of investor. Cross references table Own2Code where Type_ = 2.
InvOrientation	varchar(50)	Yes	Indicates if investor is active or passive.

Field	Type	Nullable	Description
Website	varchar(40)	Yes	URL for investor's website
LtstRepDate	smalldatetime	Yes	Latest holdings date for investor
PriorRepDate	smalldatetime	Yes	Previous holdings date for investor
IsActiveInv	tinyint	Yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	Yes	Investor no longer exists
IsNLEDate	dateTime	Yes	Date investor ceased to exist

Own2InvTransData: Ownership Investor Transaction Data

This table contains data common to Raw and Adjusted Investor Transaction.

Update Cycle: 30 minutes

Adjusted: Adjusted

Indexes	Index Fields
pkey_Own2InvTransData (Clustered)	OwnershipId, FilingTypeCode, FilingId

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
FilingId	int	No	Sequence number to uniquely identify each transaction available for an investor
FundMgrId	bigint	Yes	Organization Authority Perm ID for the fund manager disclosed on the insider transaction.
LgcyFundMgrId	int	Yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
BrokerId	int	Yes	Perm ID of institution acting as intermediary between buyer and seller of shares
LgcyBrokerId	int	Yes	Unique internal identifier of institution acting as intermediary between buyer and seller of shares. Used when no Perm ID is available for BrokerId.
DocCtrlNum	varchar(10)	Yes	The Document Control Number for US S.E.C. filing
AmendId	int	Yes	Amendment Indicator: Investor is amending portions of a reported transaction. Field indicates the amendment number/sequence, if applicable.

Field	Type	Nullable	Description
AcqTypeCode	varchar(5)	Yes	Acquisition Type Description. Cross references table Own2Code where Type_ = 18. The options are: • Acq = Acquisition • Disp = Disposition • Mkt = Market • NMkt = Non-Market • Other = Other
HoldTypeCode	varchar(5)	Yes	Ownership Type Description. Cross references table Own2Code where Type_ = 14. The options are: • COMB = Combined Ownership • CONTR = Control or Direction • DIR = Direct Ownership • INDIR = Indirect Ownership • UNK = Unknown Ownership
LtstHoldTypeCode	char(1)	Yes	Indicates if holding is latest holding ("C") or prior holding ("P")
TransDate	smalldatetime	Yes	Date securities were purchased or sold
TrdSeqNum	int	Yes	As-reported sequence of insider transactions reported on same filing
TransTypeCode	varchar(5)	Yes	Transaction Type Description. Cross references table Own2Code where Type_ = 27.
PctOustTrd	float	Yes	Number of shares traded as a percentage of the shares outstanding. Consolidated view of holdings.
TransPrice	float	Yes	Price per share at which securities were purchased or sold
IsOptionExr	tinyint	Yes	Shares received in connection with exercise of options
IsBelowThld	tinyint	Yes	Percentage of shares held have fallen below the reporting threshold
IsNLF	tinyint	Yes	Investor no longer files. It has been determined that the investor is no longer subject to filing requirements -- e.g., the insider is no longer subject to section 16 of the US Exchange Act of 1934.
IsNLFDate	smalldatetime	Yes	Date the investor was considered as no longer filing
IsGrpFiler	tinyint	Yes	Indicates if investor is filing as a member of a limited partnership, syndicate or other group of investors
IsPreSaleOrPur	tinyint	Yes	Indicates that the purchase or sale was predetermined pursuant to contract or plan. Also referred to as a "Rule 10b5-1 transaction".
DmdExecDate	datetime	Yes	Date on which the broker, dealer or plan administrator notifies the reporting person that a transaction has been executed.

Field	Type	Nullable	Description
DerExerDate	smalldatetime	Yes	Date on which options or derivative securities are first exercisable
DerConvOrExerPrc	float	Yes	Conversion or exercise price of derivative security
DerExpOrMatDate	smalldatetime	Yes	Date options or derivative securities expire
DerTraded	int	Yes	Number of derivative securities acquired or disposed
DerHld	int	Yes	Number of derivative securities beneficially owned following transaction.
DerAsRepPrice	float	Yes	Price of derivative security (as reported by insider)
DerUndShsHld	int	Yes	Number of securities underlying derivative security
PrdFeedCode	varchar(10)	Yes	For UK Trades, indicates if trade can be used in product or in feeds or is suspect.
IndBenfOwn	varchar(10)	Yes	If an insider has a pecuniary interest in securities held in the name of another person, that relationship is described in this field.
InsiderDate	smalldatetime	Yes	Date the investor became an insider
CreateDate	smalldatetime	Yes	Date transaction entered Ownership
UpdateDate	smalldatetime	Yes	Date transaction was last updated
TableNum	int	Yes	For US insider filings, indicates whether data is for Table 1 (non-derivatives) or Table 2 (derivatives). Valid values: 1 (for Table 1); 2 (for Table 2); or will be null for non-US filings.

Own2InvTransRole: Ownership Investor Transaction Role

This table details the relationship of the reporting insider to the issuing company.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2InvTransRole (Clustered)	OwnershipId, FilingTypeCode, FilingId, TransDate, TrdSeqNum, RoleTypeCode, RoleSeqNum

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
FilingId	int	No	Sequence number to uniquely identify each transaction available for an investor
TransDate	smalldatetime	No	Date securities were purchased or sold

Field	Type	Nullable	Description
TrdSeqNum	int	No	As-reported sequence of insider transactions reported on same filing
RoleTypeCode	int	No	Relationship of insider to issuer (e.g., director, CEO, etc). Cross references table Own2Code where Type_ = 7.
RoleSeqNum	int	No	Sequence number to uniquely identify multiple roles reported for a particular investor's transaction

Own2ObjTypeInfo: Ownership Object Type Information

This table captures the source entity or category (such as Geography, Industry, Organization et al) the ID belongs to.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2ObjTypeInfo (Clustered)	Id, Src

Field	Type	Nullable	Description
Id	bigint	No	CikInvestInvestorId
Src	int	No	CikInvestorIdReln
ObjType	varchar(30)	Yes	Object Type
ObjTypeId	bigint	Yes	Object Type Id

Own2OwnerMap: Ownership Owner Mapping

This table links Ownership Perm ID to Perm IDs for Investor and for Instrument.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2OwnerMap (Clustered)	OwnershipId

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
InvestorId	bigint	Yes	Ownership Investor ID
LgcyInvestorId	int	Yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.

Field	Type	Nullable	Description
InstrId	bigint	Yes	Ownership Instrument ID
InActInsiderDate	smalldatetime	Yes	Inactive Insider Date
AdminStatus	varchar(10)	Yes	Indicates 'PUB' if Ownership is still publishing the reports.
EffectFromDate	smalldatetime	Yes	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
EntModDate	smalldatetime	Yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	Yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.

Own2RelnInfo: Ownership Relationship Information

This table provides various associations between Ownership, Organization, Person, Fund, Organization, Person, Fund & Instrument. For e.g. Ownership 'is held by' Organization.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2RelnInfo (Clustered)	RelnObjectId, RelnObjectTypeId, RelnshipTypeId, ReltdObjectId, ReltdObjectTypeId, EffectFromDate

Field	Type	Nullable	Description
RelnObjectId	bigint	No	Relation Object Id
RelnObjectTypeId	bigint	No	Relation Object Type Id
RelnshipTypeId	bigint	No	Relationship Type Id
ReltdObjectId	bigint	No	Related Object Id
ReltdObjectTypeId	bigint	No	Related Object Type Id
EffectFromDate	smalldatetime	No	The date starting which the data is effective
RelnObjectType	varchar(100)	Yes	Relation Object Type
RelnshipId	bigint	Yes	Relationship Id
ReltdObjectType	varchar(100)	Yes	Related Object Type
RelnRole	varchar(3)	Yes	Relation Role
RelnshipType	varchar(100)	Yes	Relationship Type
Confidence	float	Yes	TBD
RelnObjNACode	varchar(10)	Yes	TBD

Field	Type	Nullable	Description
ReltdObjOrder	int	Yes	TBD
RelnObjOrder	int	Yes	TBD
EffectFromPlus	duration	Yes	TBD
EffectFromNACode	varchar(4)	Yes	TBD
EffectToDate	smalldatetime	Yes	The date till which the data is effective
EffectToMinus	duration	Yes	TBD
EffectToNACode	varchar(4)	Yes	TBD
SrcType	int	Yes	TBD
SrcLink	varchar(500)	Yes	TBD
SrcUpdDate	smalldatetime	Yes	TBD

Own2Stats: Ownership Statistics

This table contains aggregated calculations (e.g., number of instruments held) at the investor level.

Update Cycle: 30 minutes

Adjusted: N/A

Indexes	Index Fields
pkey_Own2Stats (Clustered)	LgcyInvestorId, StatTypeCode, StatSubTypeId, IncWrntsCert, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorId	int	No	Owner Statistics Legacy Investor ID
StatTypeCode	int	No	Describes the category of instrument statistics being presented. Cross references table Own2Code where Type_ = 15. The options are: • 1 = Investor Type • 2 = Investor Style • 3 = Region • 4 = Rotation • 5 = Country • 6 = Metro Area
StatSubTypeId	bigint	No	Perm ID of enumeration represented by OwnershipStatisticsTypeCode. For example, if OwnershipStatisticsTypeCode = Stock Exchange, this field would indicate the Perm ID for a particular stock exchange.
IncWrntsCert	tinyint	No	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.

Field	Type	Nullable	Description
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	smalldatetime	No	The date starting which the data is effective
EffectToDate	smalldatetime	Yes	The date till which the data is effective
InvestorId	bigint	Yes	Owner Statistics Investor ID
InstrHld	int	Yes	Instruments Held by investor traceable to Sector / Region / Exchange / Index
InstrBought	int	Yes	Instruments Bought by investor traceable to Sector / Region / Exchange / Index
InstrBuyIn	int	Yes	Instruments BuyIn from by investor traceable to Sector / Region / Exchange / Index
InstrSold	int	Yes	Instruments Sold by investor traceable to Sector / Region / Exchange / Index
HldgsValue	float	Yes	Holdings Value of Investor traceable to Sector / Region / Exchange / Index
HldgsValBought	float	Yes	Holdings Value Bought by investor traceable to Sector / Region / Exchange / Index
HldgsValBuyIn	float	Yes	Holdings Value BuyIn of by investor traceable to Sector / Region / Exchange / Index
HldgsValSold	float	Yes	Holdings Value Sold by investor traceable to Sector / Region / Exchange / Index
PctHldgs	float	Yes	Percent Holdings of investor wrt total Sector / Region / Exchange / Index holdings

Own2UCHoldData: Ownership Holdings Data

This table contains data common to 'Raw' and 'Adjusted' holding positions

Update Cycle: 30 minutes

Adjusted: Unadjusted

Indexes	Index Fields
pkey_Own2UCHoldData (Clustered)	OwnershipId, PositionId, FilingTypeCode, HoldDate

Field	Type	Nullable	Description
OwnershipId	bigint	No	Unique identifier assigned to each Investor/Instrument relationship
PositionId	int	No	Sequence number to uniquely identify each holdings report available for an investor

Field	Type	Nullable	Description
FilingTypeCode	int	No	Filing Type Description. Cross references table Own2Code where Type_ = 3.
HoldDate	smalldatetime	No	Date of shares reported (YYYYMMDD)
FundMgrId	bigint	Yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
LgcyFundMgrId	int	Yes	Legacy internal identifier for the fund manager disclosed on the UK Register.
NomActCode	varchar(20)	Yes	Account identifier of nominee
HoldTypeCode	varchar(5)	Yes	Ownership Type Description
HoldStatusCode	varchar(4)	Yes	Holding Status Description. Cross references table Own2Code where Type_ = 5. The options are: • HS1 = Copied • HS2 = OK • HS3 = Suspect • HS4 = Deleted • HS5 = Research Needed • HS6 = Ignore • HS7 = Send DS Position to Product • HS8 = Block DS Position for MF Breakdown • HS9 = Block DS Position
BenfHldrId	int	Yes	Perm ID for a particular beneficial owner
LgcyBenfHldrId	int	Yes	Unique internal identifier of a particular beneficial owner. Used when no Perm ID is available for BeneficialHolderId.
NomId	int	Yes	Perm ID of a particular UK nominee
LgcyNomId	int	Yes	Unique internal identifier of a particular UK nominee. Used when a Perm ID is not available for NomineeId.
DocCtrlNum	varchar(10)	Yes	The Document Control Number for US S.E.C. filing
IsLegalProcDis	tinyint	Yes	Owner was required to disclose legal proceedings on its schedule 13D filing
Is13fSelloutExcp	tinyint	Yes	13F sellout is ignored in the consolidated holding position in order for an aggregated position for the instrument to be created.
IsNLF	tinyint	Yes	Investor no longer files. It has been determined that the investor is no longer subject to filing requirements -- e.g., the insider is no longer subject to section 16 of the US Exchange Act of 1934.
IsNLFDate	smalldatetime	Yes	Date the investor was considered as no longer filing
IsPooledAct	tinyint	Yes	Indicates whether nominee account is pooled
IsGrpFiler	tinyint	Yes	Indicates if investor is filing as a member of a limited partnership, syndicate or other group of investors

Field	Type	Nullable	Description
IsMultiMngd	tinyint	Yes	Indicates that a mutual fund employs more than one portfolio manager (firm) to manage the holdings of the fund
CreateDate	smalldatetime	Yes	Date holdings position entered Ownership
UpdateDate	smalldatetime	Yes	Date holdings position was last updated

Own2IssuerFreeFlt: Issuer Level Free Float Data

This table contains issuer level free float shares outstanding that are held by investors deemed to be strategic owners.

Update Cycle: 30 minutes

Adjusted: N/A

Field	Type	Nullable	Description
IssuerId	bigint	No	Organization perm ID for company
CalcBasisCode	tinyint	No	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
EffectFromDate	datetime	No	Date from which free float is valid
EffectToDate	datetime	Yes	End date for which free float is valid
FreeFlt	bigint	Yes	Company-level free float, representing all of its public equity instruments
FreeFltPct	float	Yes	Company-level free float as a percent of total shares outstanding of all public equity instruments
ShsHldStgInv	bigint	Yes	Represents the number of shares held by strategic investors (Corporations, Holding Companies, Individuals and Government Agencies) for all publicly-traded share classes.
FreeFltAdjRestShs	float	Yes	Number of shares in Free Float, taking into account any restricted shares. (Issuer-level)
FreeFltPctAdjRestShs	float	Yes	Free Float Percent, taking into account any restricted shares. (Issuer-level)
NoOfRestShs	float	Yes	Number of restricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)
RestPeriodStDate	float	Yes	Start Date of the period for which the shares are restricted. (Issuer-level.)
RestPeriodEndDate	float	Yes	End Date of the period for which the shares are restricted. (Issuer-level.)

Field	Type	Nullable	Description
NoOfUnRestShs	float	Yes	Number of unrestricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)
RestUnrestShsDate	float	Yes	Date when Issuer reported the restricted and unrestricted shares
PctShsHldByStgInv	float	Yes	Percent of shares outstanding held by strategic entities (e.g., individual investors, corporations, etc.) (Issuer-level.)

Own2CompInvRestShs: Ownership Restricted Holdings Data

This table contains data on investors' restricted and unrestricted shares held for all classes of stock issued by a company.

Update Cycle: 30 minutes

Adjusted: N/A

Field	Type	Nullable	Description
IssuerId	bigint	No	Organization perm ID for company
LgcyInvestorId	tinyint	No	Indicates if the calculation is done monthly or quarterly. "M" = Monthly. "Q" = Quarterly.
EffectFromDate	datetime	No	Date from which restricted and unrestricted share amounts are valid
EffectToDate	datetime	Yes	End date for which restricted and unrestricted share amounts are valid
InvestorID	bigint	Yes	Perm ID for a particular investor/owner
AsRepTotShsHld	float	Yes	Total number of shares held by investor across all instruments issued by company. As-reported.
AsRepRestShsHld	float	Yes	Number of restricted shares held by investor across all instruments issued by company. As-reported.
AsReptUnrestShsHld	float	Yes	Number of unrestricted shares held by investor across all instruments issued by company. As-reported.
AsRepPctRestShsHld	float	Yes	As-reported restricted shares held as a percent of aggregated shares outstanding of the company's stock classes.
AsRepPctUnrestShsHld	float	Yes	As-reported unrestricted shares held as a percent of aggregated shares outstanding of the company's stock classes.

3 SQL Views

The SQL Views provide simplified calls that run complex SQL code and address key data nuances and mapping requests in the QA Direct database, making it much easier to access data through QA Direct.

Customers are able to see the underlying SQL code and modify/customize it as required, as well as being able to save the modified code as their proprietary code.

Our Support Team is available to provide training on the library structure and how to use the SQL Views. Please contact Support if you would like the SQL views added to your server.

vw_Own2RDCMapping

This view provides the mapping for OwnershipIDs using RDC.

Index Fields
OwnershipId

Field	Type	Nullable	Description
InstrID	int	no	InstrID is the Permanent Identifier of the instrument.
InstrStatusCode	char	yes	For non-debt issues, if an issue asset/instrument has at least one quote that is active (AssetState = 'AC'), then AssetState is Active 'AC'. If all quote assets are deactivated (AssetState = 'DC'), then AssetState is Deactivated 'DC'. AssetState is derived for all asset types except debt issues that are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no quote asset is found against the issue/instrument. In particular, new issues get 'NA' status as soon as they are created and until a quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC, and NA are only set for fixed income issues. The full set of states is: • "CA" = "Called" • "DE" = "Defaulted" • "EX" = "Exchanged" • "ME" = "Merged" • "MA" = "Matured" • "RE" = "Redenominated" • "AC" = "Active" • "DC" = "De-activated" • "NA" = "Not applicable"
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.

Field	Type	Nullable	Description
InstrCatCode	char	yes	InstrCatCode is the two-level hierarchical asset classification scheme. Wherever possible, an asset is given a category from the lower level in the hierarchy. This field is always mapped to AssetType.
InstrType	varchar	yes	InstrType is the single-level, broad asset classification scheme, used principally as an internal scheme for time series classification. This field is always mapped to the more granular AssetCategory scheme.
IssueISOCurrCode	char	yes	IssueISOCurrCode is derived according to logic from the following fields: " Valuation Quote's Base Currency for Equity Issues " Principal Currency for Fixed Income (Debt) Issues " Quote Asset's Quotation Currency for Warrant Issues The issue currency data is system-driven. It is a derived attribute that is not able to be updated by applications. It will be updated by changes to the source fields (the currency held in either Valuation Quote Currency or Principal Currency fields). All changes made to these fields will trigger a matching change to be made to IssueISOCurrCode. RDCInstrInfo.IssueISOCurrCode cross-references with RDCDesc.Code where Type_ = 80867.
IsCDSConv	tinyint	yes	IsCDSConv is the most liquid contract for doc clause and currency.
MifidStatusCode	varchar	yes	MifidStatusCode indicates whether the security is subject to MIFID regulation: " MIFID-U: Mifid unconfirmed security " MIFID-E: Mifid eligible security " MIFID-L: Mifid top liquidity security
MostReleMrkt	char	yes	MostReleMrkt references the country where the instrument was first admitted to trading on a regulated market.
RCSAssetCla	varchar	yes	RCSAssetCla is the Reuters Classification Scheme classification.
ShortName	varchar	yes	ShortName is not mandatory for Issue Assets. This field may hold a value for some debt and commodities instruments (sourced from DBS and CMI respectively). No formal standard has been set.
OrgID	int	yes	OrgID is the permanent identifier of the organization.

Field	Type	Nullable	Description
PrimTrdQuotePI	int	yes	PrimTrdQuotePI is similar to the VQ, but the tradable RIC is used. This is very US-specific where market cap for the issue must be calculated on a consolidated quote that is not a RIC you can trade. Therefore, PrimTrdQuotePI exists to denote the main "primary" quote of a multi-listed share line in the US that can be traded.
TMTPermId	varchar	yes	TMTPermId is the permanent Identifier of the Instrument in the TMT/TKO Database.
GemPermId	bigint	yes	GemPermId is the unique entity ID for the Instrument Entity. This field is currently sourced from GEM.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor

Field	Type	Nullable	Description
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist

Example Use Case:

```
--This query returns the Ownership IDs that have Microsoft as owned security.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
where aa.id = 'MSFT'
order by cc.OwnershipId
```

vw_Own2PermMapping

This view provides the mapping for OwnershipIDs using Symbology content set.

Index Fields
OwnershipId

Field	Type	Nullable	Description
InstrPermID	bigint	no	PermId of the financial instrument.
IsPrimary	bit	yes	Indicates if it is a primary instrument.

Field	Type	Nullable	Description
Status	varchar	yes	For non debt issues if an Issue Asset/Instrument has at least one Quote which is Active (Asset State = 'AC'), then AssetState is Active 'AC', else, if all Quote Assets are Deactivated (Asset State = 'DC') then AssetState becomes Deactivated 'DC'. AssetState is derived for all Asset types except DEBT Issues which are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no Quote Asset is found against the Issue/Instrument, in particular new Issues will get 'NA' status as soon as they get created and until a Quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC and NA are only set for FI issues. The full set of states is: • " CA – Called • " DE – Defaulted • " EX – Exchanged • " ME – Merged • " MA – Matured • " RE – Redenominated • " AC – Active • " DC – De-activated • " NA – Not applicable
TypeCode	varchar	yes	Single level, broad asset classification scheme, used principally as an internal scheme for timeseries classification. Always mapped to the more granular AssetCategory scheme, see above.
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
CurrPermID	bigint	yes	The Issue Currency ID.
OrgPermID	bigint	yes	The id of the origination or body group to which an issuer relationship exists between the instrument and organization.
PriTrdQuotePermID	bigint	yes	This field identifies the quote for an instrument on the primary exchange it is traded on. This is applicable to multi-listed US-based companies.
ValQuotePermID	bigint	yes	This is the main 'primary' Quote for a multi-listed share line that is used to calculate Market Cap. In the US, for example, this will be the consolidated quote on NYSE, AMEX or NASDAQ. It is set for EVERY share line, because Market Cap can be calculated on the whole company or on each issue.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.

Field	Type	Nullable	Description
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists

Field	Type	Nullable	Description
IsNLEDate	smalldatetime	yes	Date investor ceased to exist

Example Use Case:

```sql
--This query returns the Ownership IDs that have Microsoft as owned security.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_PermInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2PermMapping cc
    on cc.InstrPermID = bb.EntPermID
where aa.id = 'MSFT'
order by cc.OwnershipId
```

vw_Own2CHoldDetStat

This view provides information for the records present in Own2CHoldDet table, alongside the statistics. Own2CHoldDet contains a single, comprehensive view of holdings data, reflecting all corporate actions. The statistics are the instrument-related calculations specific to an investor's portfolio.

Index Fields
OwnershipId, ShClaTypeCode, EffectFromDate, CalcBasisCode, StatEffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
FilingTypeCode	int	yes	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
HoldDate	smalldatetime	yes	Date of shares reported (YYYYMMDD)
RgtdHldrId	int	yes	Perm ID of the person or company holding the security on behalf of insider
LgcyRgtdHldrId	int	yes	Unique internal identifier of the person or company holding the security on behalf of insider. Used when Perm ID not available for RegisteredHolderId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
HoldTypeCode	varchar	yes	Ownership Type Description

Field	Type	Nullable	Description
ShsHld	bigint	yes	Value of investor's holdings in a particular instrument
PctShoutHld	float	yes	Percentage of shares outstanding that shares represent
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument
ShsHldChg	bigint	yes	Change in the holdings value since the previous filing. Consolidated view of holdings.
ShsHldValChg	float	yes	Change in the number of shares held since the previous filing. Consolidated view of holdings.
ShdDspHldgs	int	yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	int	yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVASole	bigint	yes	The number of shares over which the owner exercises sole authority as to the voting of those shares.
ShsHldVAShd	bigint	yes	The number of shares over which the owner shares joint authority with another owner as to the voting of those shares.
ShsHldVAOth	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F.
ShClaTypeCode	int	yes	Share Class Type Code.
ShClaTypeDesc	nvarchar	yes	Share Class Type Code Description.
CalcBasisCode	tinyint	yes	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
PctPortfolio	float	yes	Percent of investor's portfolio value that a holding in a particular instrument represents.
StatEffectFromDate	smalldatetime	yes	The date starting which the data is effective.
StatEffectToDate	smalldatetime	yes	The date till which the data is effective.

Example Use Case:

```
--This query returns the consolidated ownership history for Bailard as owner of
Microsoft.
select aa.*, cc.*, dd.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
```

```
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
join vw_Own2CHoldDetStat dd
    on dd.OwnershipId = cc.OwnershipId
where aa.id = 'MSFT'
    and cc.LgcyInvestorId = 2002497
order by dd.EffectFromDate, dd.StatEffectFromDate
```

vw_Own2CHoldDet

This view shows the information presents in tables Own2CHoldDet and Own2CHoldShCla. Own2CHoldDet contains a single, comprehensive view of holdings data, reflecting all corporate actions, while Own2CHoldShCla carries the holdings data for share class information.

Index Fields
OwnershipId, ShClaTypeCode, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
FilingTypeCode	int	yes	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
HoldDate	smalldatetime	yes	Date of shares reported (YYYYMMDD)
RgtdHldrId	int	yes	Perm ID of the person or company holding the security on behalf of insider
LgcyRgtdHldrId	int	yes	Unique internal identifier of the person or company holding the security on behalf of insider. Used when Perm ID not available for RegisteredHolderId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
HoldTypeCode	varchar	yes	Ownership Type Description
ShsHld	bigint	yes	Value of investor's holdings in a particular instrument
PctShoutHld	float	yes	Percentage of shares outstanding that shares represent
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument
ShsHldChg	bigint	yes	Change in the holdings value since the previous filing. Consolidated view of holdings.
ShsHldValChg	float	yes	Change in the number of shares held since the previous filing. Consolidated view of holdings.

Field	Type	Nullable	Description
ShdDspHldgs	int	yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	int	yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVASole	bigint	yes	The number of shares over which the owner exercises sole authority as to the voting of those shares.
ShsHldVAShd	bigint	yes	The number of shares over which the owner shares joint authority with another owner as to the voting of those shares.
ShsHldVAOth	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F
ShClaTypeCode	int	yes	Share Class Type Code.
ShClaTypeDesc	nvarchar	yes	Share Class Type Code Description.

Example Use Case:

```sql
--This query returns the consolidated ownership history for Bailard as owner of
Microsoft.
select aa.*, cc.*, dd.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
join vw_Own2CHoldDet dd
    on dd.OwnershipId = cc.OwnershipId
where aa.id = 'MSFT'
    and cc.LgcyInvestorId = 2002497
order by dd.EffectFromDate
```

vw_Own2CAdjUnadjHoldDet

This view provides adjusted and unadjusted values for Own2CHoldDet records. In case unadjusted values are not needed it is preferable the usage of vw_Own2CHoldDet, it is faster because doesn't compute the unadjusted prices.

Computed adjusted and unadjusted values should not be used in the records with NULL CumRatio if their OwnershipId has some non-NULL CumRatio records.

Index Fields
OwnershipId, EffectFromDate

Field	Type	Nullable	Description
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
FilingTypeCode	int	yes	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
HoldDate	smalldatetime	yes	Date of shares reported (YYYYMMDD)
RgtdHldrId	int	yes	Perm ID of the person or company holding the security on behalf of insider
LgcyRgtdHldrId	int	yes	Unique internal identifier of the person or company holding the security on behalf of insider. Used when Perm ID not available for RegisteredHolderId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
HoldTypeCode	varchar	yes	Ownership Type Description
AdjShsHld	bigint	yes	Adjusted shares held
UnadjShsHld	float	yes	Unadjusted shares held
PctShoutHld	float	yes	Percentage of shares outstanding that shares represent
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument
AdjShsHldChg	bigint	yes	Adjusted Change in the number of shares held since the previous filing.
UnadjShsHldChg	float	yes	Unadjusted Change in the number of shares held since the previous filing.
ShsHldValChg	float	yes	Change in the holdings value since the previous filing. Consolidated view of holdings.
ShdDspHldgs	int	yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	int	yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVASole	bigint	yes	The number of shares over which the owner exercises sole authority as to the voting of those shares.
ShsHldVAShd	bigint	yes	The number of shares over which the owner shares joint authority with another owner as to the voting of those shares.
ShsHldVAOth	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F

Field	Type	Nullable	Description
InvestorId	bigint	yes	The ID for the Investor.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InstrId	bigint	yes	InstrID is the Permanent Identifier of the instrument.
Date_	smalldatetime	yes	Date of stock split used in calculating various data elements.
AdjTypeCode	tinyint	yes	Describes the type of stock split e.g., corporate action, stock dividend etc. Cross refrences table Own2Code where Type_ = 44. The options are: • 1 = (CORPACT) Single stock split • 2 = (STOCKDIV) Single stock dividend • 3 = (AGGCORPACT) Multiple stock splits • 4 = (AGGSTOCKDIV) Multiple stock dividends • 5 = (AGGCORPACTDIV) Multiple splits involving an aggregation of stock dividends and other corporate
Ratio	float	yes	Ratio of stock split used in calculating various data elements.
CumRatio	float	yes	Instrument Shs Out Instrument Id
CumRatio2	float	yes	Instrument Shs Out Instrument Id computed from the last value

Example Use Case:

```
--This query returns the adjusted and unadjusted consolidated ownership history for
Bailard as owner of Microsoft.
select aa.*, cc.*, dd.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
join vw_Own2CAdjUnadjHoldDet dd
    on dd.OwnershipId = cc.OwnershipId
where aa.id = 'MSFT'
    and cc.LgcyInvestorId = 2002497
    and dd.CumRatio is not null
order by dd.EffectFromDate
```

vw_Own2AsRepHold

This view shows the information available for as reported ownership records.

Index Fields
OwnershipId, PositionId, FilingTypeCode, HoldDate, ShClaTypeCode, FilingId

Field	Type	Nullable	Description
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
PositionId	int	no	Sequence number to uniquely identify each holdings report available for an investor
FilingTypeCode	int	no	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
HoldDate	smalldatetime	no	Date of shares reported (YYYYMMDD)
FundMgrId	bigint	yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
LgcyFundMgrId	int	yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
NomActCode	varchar	yes	Account identifier of nominee
SharesHld	bigint	yes	Shares held at the time of filing
PctShoutHld	float	yes	Number of shares traded as a percentage of the shares outstanding. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument (not adjusted for any corporate actions)
ShsHldChg	bigint	yes	Change in the number of shares held since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldValChg	float	yes	Change in the holdings value since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShdDspHldgs	bigint	yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	bigint	yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVAOth	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F
ShsHldVAShd	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another manager reported on the 13F

Field	Type	Nullable	Description
ShsHldVASole	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner exercises sole investment discretion
ShClaTypeCode	int	yes	Share Class Type Code.
ShClaTypeDesc	nvarchar	yes	Share Class Type Code Description.
ShdVotHldgs	bigint	yes	The number of shares of a particular class of security over which the owner shares joint authority with another owner as to the voting of those shares.
SoleDspHldgsCla	bigint	yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the sale of the securities.
SoleVotHldgs	bigint	yes	The number of shares of a particular class of security over which the owner exercises sole authority as to the voting of those shares.
TotalHldgs	bigint	yes	Total number of shares held by owner in a particular class of securities of an issuer
HoldTypeCode	varchar	yes	Ownership Type Description
HoldStatusCode	varchar	yes	Holding Status Description.. The options are: • HS1 = Copied • HS2 = OK • HS3 = Suspect • HS4 = Deleted • HS5 = Research Needed • HS6 = Ignore • HS7 = Send DS Position to Product • HS8 = Block DS Position for MF Breakdown • HS9 = Block DS Position
HoldStatusDesc	nvarchar	yes	Hold status code description.
BenfHldrId	int	yes	Perm ID for a particular beneficial owner
LgcyBenfHldrId	int	yes	Unique internal identifier of a particular beneficial owner. Used when no Perm ID is available for BeneficialHolderId.
NomId	int	yes	Perm ID of a particular UK nominee
LgcyNomId	int	yes	Unique internal identifier of a particular UK nominee. Used when a Perm ID is not available for NomineeId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
IsLegalProcDis	tinyint	yes	Owner was required to disclose legal proceedings on its schedule 13D filing
Is13fSelloutExcp	tinyint	yes	13F sellout is ignored in the consolidated holding position in order for an aggregated position for the instrument to be created.

Field	Type	Nullable	Description
IsNLF	tinyint	yes	Investor no longer files. It has been determined that the investor is no longer subject to filing requirements -- e.g., the insider is no longer subject to section 16 of the US Exchange Act of 1934.
IsNLFDate	smalldatetime	yes	Date the investor was considered as no longer filing
IsPooledAct	tinyint	yes	Indicates whether nominee account is pooled
IsGrpFiler	tinyint	yes	Indicates if investor is filing as a member of a limited partnership, syndicate or other group of investors
IsMultiMngd	tinyint	yes	Indicates that a mutual fund employs more than one portfolio manager (firm) to manage the holdings of the fund
CreateDate	smalldatetime	yes	Date holdings position entered Ownership
UpdateDate	smalldatetime	yes	Date holdings position was last updated

Example Use Case:

```sql
--This query returns the "as reported" ownership history for Bailard as owner of
Microsoft.
select aa.*, cc.*, dd.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
join vw_Own2AsRepHold dd
    on dd.OwnershipId = cc.OwnershipId
where aa.id = 'MSFT'
    and cc.LgcyInvestorId = 2002497
order by dd.HoldDate
```

vw_Own2AsRepAdjUnadjHold

This view provides adjusted and unadjusted values for the as reported ownership records. If the adjusted values are not needed, it is preferable the usage of vw_Own2AsRepHold, it will be faster because it doesn't compute the adjusted values.

Computed adjusted and unadjusted values should not be used in the records with NULL CumRatio if their OwnershipId has some non-NULL CumRatio records.

Index Fields
OwnershipId, PositionId, FilingTypeCode, HoldDate

Field	Type	Nullable	Description
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
PositionId	int	no	Sequence number to uniquely identify each holdings report available for an investor
FilingTypeCode	int	no	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
HoldDate	smalldatetime	no	Date of shares reported (YYYYMMDD)
FundMgrId	bigint	yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
LgcyFundMgrId	int	yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
NomActCode	varchar	yes	Account identifier of nominee
UnadjSharesHld	bigint	yes	Unadjusted Shares held at the time of filing
AdjSharesHld	float	yes	Adjusted Shares held at the time of filing
Adj2SharesHld	float	yes	Adjusted (alternative method from the last value) Shares held at the time of filing
PctShoutHld	float	yes	Number of shares traded as a percentage of the shares outstanding. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument (not adjusted for any corporate actions)
UnadjShsHldChg	bigint	yes	Unadjusted Change in the number of shares held since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
AdjShsHldChg	float	yes	Adjusted Change in the number of shares held since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
Adj2ShsHldChg	float	yes	Adjusted (alternative method from the last value) Change in the number of shares held since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShsHldValChg	float	yes	Change in the holdings value since the previous filing. Not adjusted for corporate actions and not consolidated with other filing sources.
ShdDspHldgs	bigint	yes	The number of shares over which the owner shares joint authority with another owner as to the sale of the securities.
SoleDspHldgs	bigint	yes	The number of shares over which the owner exercises sole authority as to the sale of the securities.
ShsHldVAOth	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another owner not reported on the 13F

Field	Type	Nullable	Description
ShsHldVAShd	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner shares joint investment discretion with another manager reported on the 13F
ShsHldVASole	bigint	yes	Number of shares reported by an institutional (13F) owner over which the owner exercises sole investment discretion
InstrId	bigint	yes	InstrID is the Permanent Identifier of the instrument.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
CumRatio	float	yes	Instrument Shs Out Instrument Id
Ratio	float	yes	Ratio of stock split used in calculating various data elements.
Date_	smalldatetime	yes	Date of stock split used in calculating various data elements.
AdjTypeCode	tinyint	yes	Describes the type of stock split e.g., corporate action, stock dividend etc. Cross refrences table Own2Code where Type_ = 44. The options are: • 1 = (CORPACT) Single stock split • 2 = (STOCKDIV) Single stock dividend • 3 = (AGGCORPACT) Multiple stock splits • 4 = (AGGSTOCKDIV) Multiple stock dividends • 5 = (AGGCORPACTDIV) Multiple splits involving an aggregation of stock dividends and other corporate
CumRatio2	float	yes	Cumulative Ratio of stock split used in calculating various data elements starting from the last value.

Example Use Case:

```sql
--This query returns the adjusted and unadjusted "as reported" ownership history for
Bailard as owner of Microsoft.
select aa.*, cc.*, dd.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCMapping cc
    on cc.InstrID = bb.VenCode
join vw_Own2AsRepAdjUnadjHold dd
    on dd.OwnershipId = cc.OwnershipId
where aa.id = 'MSFT'
    and cc.LgcyInvestorId = 2002497
```

```
    and dd.CumRatio is not null
order by dd.HoldDate
```

vw_Own2RDC13F

This view shows the information about the 13F protfolios linked with an OwnershipID, using RDC tables for the mapping.

Index Fields
OwnershipId, Port13FEffectFromDate

Field	Type	Nullable	Description
InstrID	int	no	InstrID is the Permanent Identifier of the instrument.
InstrStatusCode	char	yes	For non-debt issues, if an issue asset/instrument has at least one quote that is active (AssetState = 'AC'), then AssetState is Active 'AC'. If all quote assets are deactivated (AssetState = 'DC'), then AssetState is Deactivated 'DC'. AssetState is derived for all asset types except debt issues that are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no quote asset is found against the issue/instrument. In particular, new issues get 'NA' status as soon as they are created and until a quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC, and NA are only set for fixed income issues. The full set of states is: • '' "CA" = "Called" • '' "DE" = "Defaulted" • '' "EX" = "Exchanged" • '' "ME" = "Merged" • '' "MA" = "Matured" • '' "RE" = "Redenominated" • '' "AC" = "Active" • '' "DC" = "De-activated" • '' "NA" = "Not applicable"
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
InstrCatCode	char	yes	InstrCatCode is the two-level hierarchical asset classification scheme. Wherever possible, an asset is given a category from the lower level in the hierarchy. This field is always mapped to AssetType.
InstrType	varchar	yes	InstrType is the single-level, broad asset classification scheme, used principally as an internal scheme for time series classification. This field is always mapped to the more granular AssetCategory scheme.

Field	Type	Nullable	Description
IssueISOCurrCode	char	yes	IssueISOCurrCode is derived according to logic from the following fields: " Valuation Quote's Base Currency for Equity Issues " Principal Currency for Fixed Income (Debt) Issues " Quote Asset's Quotation Currency for Warrant Issues The issue currency data is system-driven. It is a derived attribute that is not able to be updated by applications. It will be updated by changes to the source fields (the currency held in either Valuation Quote Currency or Principal Currency fields). All changes made to these fields will trigger a matching change to be made to IssueISOCurrCode. RDCInstrInfo.IssueISOCurrCode cross-references with RDCDesc.Code where Type_ = 80867.
IsCDSConv	tinyint	yes	IsCDSConv is the most liquid contract for doc clause and currency.
MifidStatusCode	varchar	yes	MifidStatusCode indicates whether the security is subject to MIFID regulation: " MIFID-U: Mifid unconfirmed security " MIFID-E: Mifid eligible security " MIFID-L: Mifid top liquidity security
MostReleMrkt	char	yes	MostReleMrkt references the country where the instrument was first admitted to trading on a regulated market.
RCSAssetCla	varchar	yes	RCSAssetCla is the Reuters Classification Scheme classification.
ShortName	varchar	yes	ShortName is not mandatory for Issue Assets. This field may hold a value for some debt and commodities instruments (sourced from DBS and CMI respectively). No formal standard has been set.
OrgID	int	yes	OrgID is the permanent identifier of the organization.
PrimTrdQuotePI	int	yes	PrimTrdQuotePI is similar to the VQ, but the tradable RIC is used. This is very US-specific where market cap for the issue must be calculated on a consolidated quote that is not a RIC you can trade. Therefore, PrimTrdQuotePI exists to denote the main "primary" quote of a multi-listed share line in the US that can be traded.
TMTPermId	varchar	yes	TMTPermId is the permanent Identifier of the Instrument in the TMT/TKO Database.
GemPermId	bigint	yes	GemPermId is the unique entity ID for the Instrument Entity. This field is currently sourced from GEM.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date

Field	Type	Nullable	Description
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor

Field	Type	Nullable	Description
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist
Port13FEffectFromDate	smalldatetime	no	The date starting which the 13F data is effective
ReportDate	smalldatetime	yes	Holdings date for investor

Example Use Case:

```sql
--This query returns the 13F data for ESL Investments as owner of Dow Chemical.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDC13F cc
    on cc.InstrID = bb.VenCode
where aa.id = 'DOW'
    and cc.LgcyInvestorId = 2002228
order by cc.Port13FEffectFromDate
```

vw_Own2Perm13F

This view shows the information about the 13F protfolios linked with an OwnershipID, using Symbology tables for the mapping.

Index Fields
OwnershipId, Port13FEffectFromDate.

Field	Type	Nullable	Description
InstrPermID	bigint	no	PermId of the financial instrument.
IsPrimary	bit	yes	Indicates if it is a primary instrument.

Field	Type	Nullable	Description
Status	varchar	yes	For non debt issues if an Issue Asset/Instrument has at least one Quote which is Active (Asset State = 'AC'), then AssetState is Active 'AC', else, if all Quote Assets are Deactivated (Asset State = 'DC') then AssetState becomes Deactivated 'DC'. AssetState is derived for all Asset types except DEBT Issues which are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no Quote Asset is found against the Issue/Instrument, in particular new Issues will get 'NA' status as soon as they get created and until a Quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC and NA are only set for FI issues. The full set of states is: • " CA – Called • " DE – Defaulted • " EX – Exchanged • " ME – Merged • " MA – Matured • " RE – Redenominated • " AC – Active • " DC – De-activated • " NA – Not applicable
TypeCode	varchar	yes	Single level, broad asset classification scheme, used principally as an internal scheme for timeseries classification. Always mapped to the more granular AssetCategory scheme, see above.
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
CurrPermID	bigint	yes	The Issue Currency ID.
OrgPermID	bigint	yes	The id of the origination or body group to which an issuer relationship exists between the instrument and organization.
PriTrdQuotePermID	bigint	yes	This field identifies the quote for an instrument on the primary exchange it is traded on. This is applicable to multi-listed US-based companies.
ValQuotePermID	bigint	yes	This is the main 'primary' Quote for a multi-listed share line that is used to calculate Market Cap. In the US, for example, this will be the consolidated quote on NYSE, AMEX or NASDAQ. It is set for EVERY share line, because Market Cap can be calculated on the whole company or on each issue.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date

Field	Type	Nullable	Description
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.
EffectFromDate	smalldatetime	yes	The date starting which the data is effective -
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist

Field	Type	Nullable	Description
Port13FEffectFromDate	smalldatetime	no	The date starting which the 13F data is effective
ReportDate	smalldatetime	yes	Holdings date for investor

Example Use Case:

```
--This query returns the 13F data for ESL Investments as owner of Dow Chemical.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_PermInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2Perm13F cc
    on cc.InstrPermID = bb.EntPermID
where aa.id = 'DOW'
    and cc.LgcyInvestorId = 2002228
order by cc.Port13FEffectFromDate
```

vw_Own2Funds

This view provides the available information for funds.

Index Fields
LgcyInvestorId, LgcyFundId, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorId	int	no	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
LgcyFundId	int	no	Legacy internal Ownership unique identifier for funds proxied by Ownership rather than the appropriate database or record.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
InvestorID	bigint	yes	The ID for the Investor.
FundId	bigint	yes	Perm ID for fund.
EffectToDate	smalldatetime	yes	The date till which the data is effective
IsPrimaryMgr	tinyint	yes	Indicates if the firm is the primary investment manager for the fund.
InvestorName	varchar	yes	Investor Name
FullName	varchar	yes	Full Name (First and Last) of Investor

Field	Type	Nullable	Description
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist

Example Use Case:

```sql
--This query shows the "as reported" records for the funds of Fidelity International,
since 2018-01-01.
select *
from vw_Own2Funds aa
join vw_Own2AsRepAdjUnadjHold bb
    on bb.LgcyInvestorId = aa.LgcyFundId
    and bb.HoldDate between aa.EffectFromDate and ISNULL(aa.EffectToDate, '2075-05-
05')
where aa.LgcyInvestorId = 2003665
    and bb.holddate >= '2018-01-01'
order by aa.LgcyFundId, bb.HoldDate
```

vw_Own2RDCInstrStats

This view provides the statistics available for a given security with aggregated calculations (e.g. investor counts) at the instrument level, using RDC tables for the mapping.

Index Fields
InstrID, StatTypeCode, StatTypeVal, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
InstrID	int	no	InstrID is the Permanent Identifier of the instrument.
InstrStatusCode	char	yes	For non-debt issues, if an issue asset/instrument has at least one quote that is active (AssetState = 'AC'), then AssetState is Active 'AC'. If all quote assets are deactivated (AssetState = 'DC'), then AssetState is Deactivated 'DC'. AssetState is derived for all asset types except debt issues that are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no quote asset is found against the issue/instrument. In particular, new issues get 'NA' status as soon as they are created and until a quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC, and NA are only set for fixed income issues. The full set of states is: • '' "CA" = "Called" • '' "DE" = "Defaulted" • '' "EX" = "Exchanged" • '' "ME" = "Merged" • '' "MA" = "Matured" • '' "RE" = "Redenominated" • '' "AC" = "Active" • '' "DC" = "De-activated" • '' "NA" = "Not applicable"
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
InstrCatCode	char	yes	InstrCatCode is the two-level hierarchical asset classification scheme. Wherever possible, an asset is given a category from the lower level in the hierarchy. This field is always mapped to AssetType.
InstrType	varchar	yes	InstrType is the single-level, broad asset classification scheme, used principally as an internal scheme for time series classification. This field is always mapped to the more granular AssetCategory scheme.

Field	Type	Nullable	Description
IssueISOCurrCode	char	yes	IssueISOCurrCode is derived according to logic from the following fields: " Valuation Quote's Base Currency for Equity Issues " Principal Currency for Fixed Income (Debt) Issues " Quote Asset's Quotation Currency for Warrant Issues The issue currency data is system-driven. It is a derived attribute that is not able to be updated by applications. It will be updated by changes to the source fields (the currency held in either Valuation Quote Currency or Principal Currency fields). All changes made to these fields will trigger a matching change to be made to IssueISOCurrCode. RDCInstrInfo.IssueISOCurrCode cross-references with RDCDesc.Code where Type_ = 80867.
IsCDSConv	tinyint	yes	IsCDSConv is the most liquid contract for doc clause and currency.
MifidStatusCode	varchar	yes	MifidStatusCode indicates whether the security is subject to MIFID regulation: " MIFID-U: Mifid unconfirmed security " MIFID-E: Mifid eligible security " MIFID-L: Mifid top liquidity security
MostReleMrkt	char	yes	MostReleMrkt references the country where the instrument was first admitted to trading on a regulated market.
RCSAssetCla	varchar	yes	RCSAssetCla is the Reuters Classification Scheme classification.
ShortName	varchar	yes	ShortName is not mandatory for Issue Assets. This field may hold a value for some debt and commodities instruments (sourced from DBS and CMI respectively). No formal standard has been set.
OrgID	int	yes	OrgID is the permanent identifier of the organization.
PrimTrdQuotePI	int	yes	PrimTrdQuotePI is similar to the VQ, but the tradable RIC is used. This is very US-specific where market cap for the issue must be calculated on a consolidated quote that is not a RIC you can trade. Therefore, PrimTrdQuotePI exists to denote the main "primary" quote of a multi-listed share line in the US that can be traded.
TMTPermId	varchar	yes	TMTPermId is the permanent Identifier of the Instrument in the TMT/TKO Database.
GemPermId	bigint	yes	GemPermId is the unique entity ID for the Instrument Entity. This field is currently sourced from GEM.

Field	Type	Nullable	Description
StatTypeCode	int	no	Describes the category of instrument statistics being presented. Cross references table Own2Code where Type_ = 15. The options are: • 1 = Investor Type • 2 = Investor Style • 3 = Region • 4 = Rotation • 5 = Country • 6 = Metro Area
StatTypeDesc	nvarchar	yes	Stat type code description
StatTypeVal	int	no	Indicates whether calculation relates to holdings rotation, investor style, investor type or region.
StatTypeValDesc	nvarchar	yes	Stat type val code description.
CalcBasisCode	tinyint	no	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
InvCount	int	yes	Number of investors in a particular category (e.g., region, investor type, etc.) that hold a particular instrument
OwnPct	float	yes	Total percentage of shares outstanding of a particular instrument held by investors in a particular category (e.g., region, investor type, etc.)
ShsHld	bigint	yes	Number of shares held as of the report date (split adjusted as of feed date)
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument

Example Use Case:

```
--This query returns the statistics for Microsoft using RDC, selecting the investor
statistics computed monthly.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
```

```
    and bb.Typ = aa.typ
join vw_Own2RDCInstrStats cc
    on cc.InstrID = bb.VenCode
where aa.id = 'msft'
    and cc.StatTypeCode = 1 --Investor Type
    and cc.CalcBasisCode = 1 --Monthly
order by cc.EffectFromDate
```

vw_Own2PermInstrStats

This view provides the statistics available for a given security with aggregated calculations (e.g. investor counts) at the instrument level, using Symbology tables for the mapping.

Index Fields
InstrPermID, StatTypeCode, StatTypeVal, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
InstrPermID	bigint	no	PermId of the financial instrument.
IsPrimary	bit	yes	Indicates if it is a primary instrument.
Status	varchar	yes	For non debt issues if an Issue Asset/Instrument has at least one Quote which is Active (Asset State = 'AC'), then AssetState is Active 'AC', else, if all Quote Assets are Deactivated (Asset State = 'DC') then AssetState becomes Deactivated 'DC'. AssetState is derived for all Asset types except DEBT Issues which are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no Quote Asset is found against the Issue/Instrument, in particular new Issues will get 'NA' status as soon as they get created and until a Quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC and NA are only set for FI issues. The full set of states is: • " CA – Called • " DE – Defaulted • " EX – Exchanged • " ME – Merged • " MA – Matured • " RE – Redenominated • " AC – Active • " DC – De-activated • " NA – Not applicable
TypeCode	varchar	yes	Single level, broad asset classification scheme, used principally as an internal scheme for timeseries classification. Always mapped to the more granular AssetCategory scheme, see above.

Field	Type	Nullable	Description
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
CurrPermID	bigint	yes	The Issue Currency ID.
OrgPermID	bigint	yes	The id of the origination or body group to which an issuer relationship exists between the instrument and organization.
PriTrdQuotePermID	bigint	yes	This field identifies the quote for an instrument on the primary exchange it is traded on. This is applicable to multi-listed US-based companies.
ValQuotePermID	bigint	yes	This is the main 'primary' Quote for a multi-listed share line that is used to calculate Market Cap. In the US, for example, this will be the consolidated quote on NYSE, AMEX or NASDAQ. It is set for EVERY share line, because Market Cap can be calculated on the whole company or on each issue.
StatTypeCode	int	no	Describes the category of instrument statistics being presented. Cross references table Own2Code where Type_ = 15. The options are: • 1 = Investor Type • 2 = Investor Style • 3 = Region • 4 = Rotation • 5 = Country • 6 = Metro Area
StatTypeDesc	nvarchar	yes	Stat type code description
StatTypeVal	int	no	Indicates whether calculation relates to holdings rotation, investor style, investor type or region.
StatTypeValDesc	nvarchar	yes	Stat type val code description.
CalcBasisCode	tinyint	no	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
InvCount	int	yes	Number of investors in a particular category (e.g., region, investor type, etc.) that hold a particular instrument

Field	Type	Nullable	Description
OwnPct	float	yes	Total percentage of shares outstanding of a particular instrument held by investors in a particular category (e.g., region, investor type, etc.)
ShsHld	bigint	yes	Number of shares held as of the report date (split adjusted as of feed date)
ShsHldVal	float	yes	Value of investor's holdings in a particular instrument

Example Use Case:

```sql
--This query returns the statistics for Microsoft using Symbology content set.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_PermInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2PermInstrStats cc
    on cc.InstrPermID = bb.EntPermID
where aa.id = 'msft'
    and cc.StatTypeCode = 1 --Investor Type
    and cc.CalcBasisCode = 1 --Monthly
order by cc.EffectFromDate
```

vw_Own2invPerson

This view provides the information available about people linked to investor companies.

Index Fields
LgcyPersonId, AddrTypeCode, BioTypeCode, LgcyInvestorId

Field	Type	Nullable	Description
LgcyPersonId	int	no	Investor Contact Address Legacy Person ID
AddrTypeCode	int	no	Description of investor contact's type of address. Cross references table Own2Code where Type_ = 9. The options are: • 1 (AT1) = Unknown • 2 (AT2) = Location • 3 (AT3) = Mailing • 4 (AT4) = Nationality or Incorporation
AddrTypeDesc	varchar	yes	AddrTypeCode Description
PersonId	int	yes	Investor Contact Address Person ID

Field	Type	Nullable	Description
Email	varchar	yes	E-mail address for investor contact
TeleCntryId	int	yes	Country dialing code for investor contact telephone number
TeleAreaCode	int	yes	Area code for investor contact telephone number
TelePhone	varchar	yes	Telephone number of investor contact
Extn	int	yes	Extension for telephone number of investor contact
FaxCntryId	int	yes	Country dialing code for investor contact fax number
FaxAreaCode	int	yes	Area code for investor contact fax number
Fax	varchar	yes	Fax number for investor contact
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
MetroAreaId	int	yes	Perm ID of investor's metro area
BioTypeCode	int	yes	Indicates biographical section. Cross references table Own2Code where Type_ = 12. The options are: • 1 (AWARD) = Awards • 2(EDU) = Education • 3 (EMP) = Employment History • 4 (FFM) = Funds Formerly Managed • 5 (GEN) = General Information • 6 (PREF) = Preferences • 7 (PUB) = Publications
BioTypeDesc	varchar	yes	Bio type code description.
Bio	varchar	yes	Biographical information for investor contact
FirstName	varchar	yes	First name of Contact
LastName	varchar	yes	Last Name of Contact
MiddleInitial	varchar	yes	Middle Initial of Contact
Suffix	varchar	yes	Suffix (Jr., Sr., IV) of Contact
Honorific	varchar	yes	Honorific/Title of Contact (Mr., Ms.)
Gender	char	yes	Gender of Contact

Field	Type	Nullable	Description
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
ContRoleId	int	yes	Perm ID for the role/job of the investor contact
ContRole	varchar	yes	Role/job of the investor contact -- taken from CMS+ database, rather than People Authority
ContRank	int	yes	Ranking for investor contact. Useful in identifying primary contact for firm.

Example Use Case:

```
--This query returns the information about funds formerly managed by people that have
worked in Ashfield Capital Partners, LLC
select *
from Own2InvMap aa
join vw_Own2invPerson bb
    on bb.LgcyInvestorId = aa.LgcyInvestorId
where aa.LgcyInvestorId = 2002482
    and bb.AddrTypeCode = 2
    and bb.BioTypeCode = 4
```

vw_Own2InvestorPortStat

This view shows the statistics for investor's portfolios, with company-related ratios aggregated to portfolio level for each investor.

Index Fields
LgcyInvestorId, TypeId, IncWrntsCert, CalcBasisCode

Field	Type	Nullable	Description
LgcyInvestorId	int	no	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Description (e.g., institutions, strategic entities, etc). Cross references table Own2Code where Type_ = 1.
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address

Field	Type	Nullable	Description
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist
TypeId	int	no	Indicates type of profile text (i.e., affiliations, investment approach)
ProfileText	varchar	yes	Details affiliations and investment approach for investor
IncWrntsCert	tinyint	yes	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.
CalcBasisCode	tinyint	yes	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quartersly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
TotalAsts	float	yes	Total value of all holdings (equity, fixed income, cash, etc.) for an investor
TotalEqAsts	float	yes	Total value of equity holdings for an investor

Field	Type	Nullable	Description
TotalFIAsts	float	yes	Total value of fixed holdings for an investor (as surveyed by Refinitiv)
InstrBought	int	yes	# of Securities purchased when compared to previous portfolio
InstrSold	int	yes	# of Securities sold when compared to previous portfolio
InstrHld	int	yes	# of Securities held by an owner
AggHldgsVal	float	yes	"Sum of all individual issue value (value) held by the investor.If the fundamental data item is not available for an issue, the issue is not considered for the computation. Value for the individual issues is summed up by owner."
AggEPS3YrAnnGR	float	yes	((Current Year's Earnings Per Share/ Earnings Per Share four years ago, reduced to a compound annual rate) – 1) * 1
AggSales3YrAnnGR	float	yes	((Current Year's Net Sales or Revenues / Net Sales or Revenues four years ago, reduced to a compound annual rate) – 1) * 1
AggEPS5YrProjGR	float	yes	Definition-TBD Portfolio-weighted calculation performed
AggGrossPrftMrgn	float	yes	Gross Income / Net Sales or Revenues * 1
AggLTermD2E	float	yes	"All Industries: Long Term Debt / Common Equity * 1 Insurance Companies: If Common Equity is not available, Policyholders Equity is substituted Portfolio-weighted calculation performed."
AggLTermD2TotCap	float	yes	Long Term Debt / Total Capital * 1. Portfolio-weighted calculation performed.
AggNetInc	float	yes	"NET INCOME - BOTTOM LINE represents income after all operating and non-operating income and expense, reserves, income taxes, minority interest and extraordinary items. Transformation applied - converted to USD. Portfolio-weighted calculation performed."
AggNetMrgn	float	yes	Net Income before Preferred Dividends / Net Sales or Revenues * 1
AggOpPrftMrgn	float	yes	Operating Income / Net Sales or Revenues * 1 Portfolio-weighted calculation performed
AggPE12mFwd	float	yes	"Forward price to earnings - The price/earnings ratio for the company based on most recent closing price in the Thomson Financial database and the Thomson Financial annual mean expected earnings for the fiscal period selected(12 months in this case). For example, a company's FY1 P/E ratio would be calculated by dividing the latest closing price by the mean FY1 EPS forecast. Portfolio-weighted calculation performed."

Field	Type	Nullable	Description
AggPE12mTrl	float	yes	Market Price-Current / Earnings Per Share-Last 12 Months
AggDivPORatioPS	float	yes	Dividends Per Share / Earnings Per Share * 1 Portfolio-weighted calculation performed.
AggPE2GR	float	yes	"PEG - The price/earnings to growth ratio for the company for the fiscal period selected. The numerator in the equation is the P/E ratio for the fiscal period selected (see P/E Ratio – Estimate). The denominator is the appropriate growth rate for the fiscal period (as described below). • FY1 PEG: (FY1 P/E) / (FY1/FY Growth) • FY2 PEG: (FY2 P/E) / (FY2/FY1 Growth) • FY3 PEG: (FY3 P/E) / (FY3/FY2 Growth) • 12-Month-Forward PEG: (12-Month-Forward P/E) / (Long Term Growth Median) • 12-Month-Forward PEG*: (12-Month-Forward P/E) / (12-Month-Forward Growth) • 24-Month-Forward PEG: (24-Month-Forward P/E) / (Long Term Growth Median) • 24-Month-Forward PEG*: (24-Month-Forward P/E) / (24-Month-Forward Growth) Portfolio-weighted calculation performed."
AggP2B	float	yes	Market Price-Current / Book Value Per Share-Current Portfolio-weighted calculation performed
AggP2SalesPS	float	yes	Market Price–Year End / Sales Per Share Portfolio-weighted calculation performed
AggRev	float	yes	"NET SALES OR REVENUES represent gross sales and other operating revenue less discounts, returns and allowances. Transformation applied - converted to USD. Portfolio-weighted calculation performed."
AggROA	float	yes	AggROA
AggROE	float	yes	AggROE
AggDivYld	float	yes	AggDivYld

Example Use Case:

```sql
--This query returns the portfolio statistics of the investor Muizuho Bank.
select *
from vw_Own2InvestorPortStat aa
where aa.LgcyInvestorId = 2003918
order by TypeId, CalcBasisCode, IncWrntsCert
```

vw_Own2InvestorStat

This view shows the statistics related to a given investor, with aggregated calculations (e.g. number of instruments held) at the investor level.

Index Fields
LgcyInvestorId, TypeId, StatTypeCode, StatSubTypeId, IncWrntsCert, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
LgcyInvestorId	int	no	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist
TypeId	int	no	Indicates type of profile text (i.e., affiliations, investment approach)

Field	Type	Nullable	Description
ProfileText	varchar	yes	Details affiliations and investment approach for investor
StatTypeCode	int	no	Describes the category of instrument statistics being presented. Cross references table Own2Code where Type_ = 15. The options are: • 1 = Investor Type • 2 = Investor Style • 3 = Region • 4 = Rotation • 5 = Country • 6 = Metro Area
StatTypeDesc	nvarchar	yes	StatTypeCode description
StatSubTypeId	bigint	no	Perm ID of enumeration represented by OwnershipStatisticsTypeCode. For example, if OwnershipStatisticsTypeCode = Stock Exchange, this field would indicate the Perm ID for a particular stock exchange.
IncWrntsCert	tinyint	no	Indicates if statistical (aggregated) data at investor level includes warrants and certificates in the calculations.
CalcBasisCode	tinyint	no	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
InstrHld	int	yes	Instruments Held by investor traceable to Sector / Region / Exchange / Index
InstrBought	int	yes	Instruments Bought by investor traceable to Sector / Region / Exchange / Index
InstrBuyIn	int	yes	Instruments BuyIn from by investor traceable to Sector / Region / Exchange / Index
InstrSold	int	yes	Instruments Sold by investor traceable to Sector / Region / Exchange / Index
HldgsValue	float	yes	Holdings Value of Investor traceable to Sector / Region / Exchange / Index
HldgsValBought	float	yes	Holdings Value Bought by investor traceable to Sector / Region / Exchange / Index
HldgsValBuyIn	float	yes	Holdings Value BuyIn of by investor traceable to Sector / Region / Exchange / Index

Field	Type	Nullable	Description
HldgsValSold	float	yes	Holdings Value Sold by investor traceable to Sector / Region / Exchange / Index
PctHldgs	float	yes	Percent Holdings of investor wrt total Sector / Region / Exchange / Index holdings

Example Use Case:

```
--This query returns the statistics of the investor Muizuho Bank.
select *
from vw_Own2InvestorStat aa
where aa.LgcyInvestorId = 2003918
order by TypeId, CalcBasisCode, IncWrntsCert
```

vw_Own2RDCInvTransaction

This view provides information about the investor transactions using RDC tables for the mapping.

Index Fields
InstrID, OwnershipId, FilingTypeCode, FilingId, TransDate, TrdSeqNum, RoleTypeCode, RoleSeqNum

Field	Type	Nullable	Description
InstrID	int	no	InstrID is the Permanent Identifier of the instrument.

Field	Type	Nullable	Description
InstrStatusCode	char	yes	For non-debt issues, if an issue asset/instrument has at least one quote that is active (AssetState = 'AC'), then AssetState is Active 'AC'. If all quote assets are deactivated (AssetState = 'DC'), then AssetState is Deactivated 'DC'. AssetState is derived for all asset types except debt issues that are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no quote asset is found against the issue/instrument. In particular, new issues get 'NA' status as soon as they are created and until a quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC, and NA are only set for fixed income issues. The full set of states is: • '' "CA" = "Called" • '' "DE" = "Defaulted" • '' "EX" = "Exchanged" • '' "ME" = "Merged" • '' "MA" = "Matured" • '' "RE" = "Redenominated" • '' "AC" = "Active" • '' "DC" = "De-activated" • '' "NA" = "Not applicable"
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
InstrCatCode	char	yes	InstrCatCode is the two-level hierarchical asset classification scheme. Wherever possible, an asset is given a category from the lower level in the hierarchy. This field is always mapped to AssetType.
InstrType	varchar	yes	InstrType is the single-level, broad asset classification scheme, used principally as an internal scheme for time series classification. This field is always mapped to the more granular AssetCategory scheme.
IssueISOCurrCode	char	yes	IssueISOCurrCode is derived according to logic from the following fields: '' Valuation Quote's Base Currency for Equity Issues '' Principal Currency for Fixed Income (Debt) Issues '' Quote Asset's Quotation Currency for Warrant Issues The issue currency data is system-driven. It is a derived attribute that is not able to be updated by applications. It will be updated by changes to the source fields (the currency held in either Valuation Quote Currency or Principal Currency fields). All changes made to these fields will trigger a matching change to be made to IssueISOCurrCode. RDCInstrInfo.IssueISOCurrCode cross-references with RDCDesc.Code where Type_ = 80867.

Field	Type	Nullable	Description
IsCDSConv	tinyint	yes	IsCDSConv is the most liquid contract for doc clause and currency.
MifidStatusCode	varchar	yes	MifidStatusCode indicates whether the security is subject to MIFID regulation: " MIFID-U: Mifid unconfirmed security " MIFID-E: Mifid eligible security " MIFID-L: Mifid top liquidity security
MostReleMrkt	char	yes	MostReleMrkt references the country where the instrument was first admitted to trading on a regulated market.
RCSAssetCla	varchar	yes	RCSAssetCla is the Reuters Classification Scheme classification.
ShortName	varchar	yes	ShortName is not mandatory for Issue Assets. This field may hold a value for some debt and commodities instruments (sourced from DBS and CMI respectively). No formal standard has been set.
OrgID	int	yes	OrgID is the permanent identifier of the organization.
PrimTrdQuotePI	int	yes	PrimTrdQuotePI is similar to the VQ, but the tradable RIC is used. This is very US-specific where market cap for the issue must be calculated on a consolidated quote that is not a RIC you can trade. Therefore, PrimTrdQuotePI exists to denote the main "primary" quote of a multi-listed share line in the US that can be traded.
TMTPermId	varchar	yes	TMTPermId is the permanent Identifier of the Instrument in the TMT/TKO Database.
GemPermId	bigint	yes	GemPermId is the unique entity ID for the Instrument Entity. This field is currently sourced from GEM.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.

Field	Type	Nullable	Description
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists
IsNLEDate	smalldatetime	yes	Date investor ceased to exist
FilingTypeCode	int	no	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
FilingId	int	no	Sequence number to uniquely identify each transaction available for an investor
FundMgrId	bigint	yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.

Field	Type	Nullable	Description
LgcyFundMgrId	int	yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
BrokerId	int	yes	Perm ID of institution acting as intermediary between buyer and seller of shares
LgcyBrokerId	int	yes	Unique internal identifier of institution acting as intermediary between buyer and seller of shares. Used when no Perm ID is available for BrokerId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
AmendId	int	yes	Amendment Indicator: Investor is amending portions of a reported transaction. Field indicates the amendment number/sequence, if applicable.
AcqTypeCode	varchar	yes	Acquisition Type Description. Cross references table Own2Code where Type_ = 18. The options are: • Acq = Acquisition • Disp = Disposition • Mkt = Market • NMkt = Non-Market • Other = Other
AcqTypeDesc	nvarchar	yes	AcqTypeCode description.
HoldTypeCode	varchar	yes	Ownership Type Description. Cross references table Own2Code where Type_ = 14. The options are: • COMB = Combined Ownership • CONTR = Control or Direction • DIR = Direct Ownership • INDIR = Indirect Ownership • UNK = Unknown Ownership
HoldTypeDesc	nvarchar	yes	HoldTypeCode description.
LtsHoldTypeCode	char	yes	Indicates if holding is latest holding ("C") or prior holding ("P")
TransDate	smalldatetime	yes	Date securities were purchased or sold
TrdSeqNum	int	yes	As-reported sequence of insider transactions reported on same filing
TransTypeCode	varchar	yes	Transaction Type Description. Cross references table Own2Code where Type_ = 27.
TransTypeDesc	nvarchar	yes	Transaction Type Code Description
PctOustTrd	float	yes	Number of shares traded as a percentage of the shares outstanding. Consolidated view of holdings.
TransPrc	float	yes	Price per share at which securities were purchased or sold

Field	Type	Nullable	Description
IsOptionExr	tinyint	yes	Shares received in connection with exercise of options
IsBelowThld	tinyint	yes	Percentage of shares held have fallen below the reporting threshold
IsNLF	tinyint	yes	Investor no longer files. It has been determined that the investor is no longer subject to filing requirements -- e.g., the insider is no longer subject to section 16 of the US Exchange Act of 1934.
IsNLFDate	smalldatetime	yes	Date the investor was considered as no longer filing
IsGrpFiler	tinyint	yes	Indicates if investor is filing as a member of a limited partnership, syndicate or other group of investors
IsPreSaleOrPur	tinyint	yes	Indicates that the purchase or sale was predetermined pursuant to contract or plan. Also referred to as a "Rule 10b5-1 transaction".
DmdExecDate	datetime	yes	Date on which the broker, dealer or plan administrator notifies the reporting person that a transaction has been executed.
DerExerDate	smalldatetime	yes	Date on which options or derivative securities are first exercisable
DerConvOrExrPrc	float	yes	Conversion or exercise price of derivative security
DerExpOrMatDate	smalldatetime	yes	Date options or derivative securities expire
DerTraded	int	yes	Number of derivative securities acquired or disposed
DerHld	int	yes	Number of derivative securities beneficially owned following transaction.
DerAsRepPrc	float	yes	Price of derivative security (as reported by insider)
DerUndShsHld	int	yes	Number of securities underlying derivative security
PrdFeedCode	varchar	yes	For UK Trades, indicates if trade can be used in product or in feeds or is suspect.
IndBenfOwn	varchar	yes	If an insider has a pecuniary interest in securities held in the name of another person, that relationship is described in this field.
InsiderDate	smalldatetime	yes	Date the investor became an insider
CreateDate	smalldatetime	yes	Date transaction entered Ownership
UpdateDate	smalldatetime	yes	Date transaction was last updated
TableNum	int	yes	For US insider filings, indicates whether data is for Table 1 (non-derivatives) or Table 2 (derivatives). Valid values: 1 (for Table 1); 2 (for Table 2); or will be null for non-US filings.

Field	Type	Nullable	Description
RoleTypeCode	int	yes	Relationship of insider to issuer (e.g., director, CEO, etc). Cross references table Own2Code where Type_ = 7.
RoleTypeDesc	nvarchar	yes	RoleTypeCode description.
RoleSeqNum	int	yes	Sequence number to uniquely identify multiple roles reported for a particular investor's transaction

Example Use Case:

```sql
--This query returns the information about the transactions made by investor TA
Associates Management.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_RDCInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCInvTransaction cc
    on cc.InstrID = bb.VenCode
where cc.LgcyInvestorId = 2004491
order by aa.id, cc.TransDate, cc.TrdSeqNum, cc.HoldTypeCode
```

vw_Own2PermInvTransaction

This view provides information about the investor transactions using Symbology tables for the mapping.

Index Fields
OwnershipId, FilingTypeCode, FilingId, TransDate, TrdSeqNum, RoleTypeCode, RoleSeqNum

Field	Type	Nullable	Description
InstrPermID	bigint	no	PermId of the financial instrument.
IsPrimary	bit	yes	Indicates if it is a primary instrument.

Field	Type	Nullable	Description
Status	varchar	yes	For non debt issues if an Issue Asset/Instrument has at least one Quote which is Active (Asset State = 'AC'), then AssetState is Active 'AC', else, if all Quote Assets are Deactivated (Asset State = 'DC') then AssetState becomes Deactivated 'DC'. AssetState is derived for all Asset types except DEBT Issues which are maintained by the DBS forward feed. AssetState is 'NA' (Not Applicable) when no Quote Asset is found against the Issue/Instrument, in particular new Issues will get 'NA' status as soon as they get created and until a Quote is assigned to them. NA also applies to instruments not properly classified. States other than AC, DC and NA are only set for FI issues. The full set of states is: • " CA – Called • " DE – Defaulted • " EX – Exchanged • " ME – Merged • " MA – Matured • " RE – Redenominated • " AC – Active • " DC – De-activated • " NA – Not applicable
TypeCode	varchar	yes	Single level, broad asset classification scheme, used principally as an internal scheme for timeseries classification. Always mapped to the more granular AssetCategory scheme, see above.
ComName	varchar	yes	In most instances, ComName is not populated, except for equity indices and warrants sourced from DBS.
CurrPermID	bigint	yes	The Issue Currency ID.
OrgPermID	bigint	yes	The id of the origination or body group to which an issuer relationship exists between the instrument and organization.
PriTrdQuotePermID	bigint	yes	This field identifies the quote for an instrument on the primary exchange it is traded on. This is applicable to multi-listed US-based companies.
ValQuotePermID	bigint	yes	This is the main 'primary' Quote for a multi-listed share line that is used to calculate Market Cap. In the US, for example, this will be the consolidated quote on NYSE, AMEX or NASDAQ. It is set for EVERY share line, because Market Cap can be calculated on the whole company or on each issue.
OwnershipId	bigint	no	Unique identifier assigned to each Investor/Instrument relationship
InActInsiderDate	smalldatetime	yes	Inactive Insider Date
AdminStatus	varchar	yes	Indicates 'PUB' if Ownership is still publishing the reports.

Field	Type	Nullable	Description
EffectFromDate	smalldatetime	yes	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
EntModDate	smalldatetime	yes	The date when Ownership ID related information was modified.
EntCreateDate	smalldatetime	yes	The date when Ownership ID was created. The attribute for historical entities is to be set to the earliest holdings date for that investor/attribute combination.
LgcyInvestorId	int	yes	Legacy internal Ownership unique identifier for funds, organizations or persons proxied by Ownership rather than the appropriate database or record.
InvestorId	bigint	yes	The ID for the Investor.
FullName	varchar	yes	Full Name (First and Last) of Investor
InvTypeCode	nvarchar	yes	Investor Type Code
InvTypeDesc	nvarchar	yes	Description of the Investor Type Code
AddrLine1	varchar	yes	Investor's street address
AddrLine2	varchar	yes	Investor's street address
AddrLine3	varchar	yes	Investor's street address
City	varchar	yes	Investor city
StateProvId	int	yes	Perm ID of investor's state or province
PostalCode	varchar	yes	Investor's Postal/zip code
CntryId	int	yes	Perm ID of investor's country
Phone	varchar	yes	Phone number for investor
Fax	varchar	yes	Fax number for investor
MetroAreaId	int	yes	Perm ID of investor's metro area
USRegionId	int	yes	Perm ID of U.S. investor's geographic region
InvStyleCode	varchar	yes	Code for investment style of investor.
InvStyleDesc	nvarchar	yes	Description for the investment style of the investor.
InvOrientation	varchar	yes	Indicates if investor is active or passive.
Website	varchar	yes	URL for investor's website
LtstRepDate	smalldatetime	yes	Latest holdings date for investor
PriorRepDate	smalldatetime	yes	Previous holdings date for investor
IsActiveInv	tinyint	yes	Indicates investor is active (i.e., still in existence)
IsNLE	tinyint	yes	Investor no longer exists

Field	Type	Nullable	Description
IsNLEDate	smalldatetime	yes	Date investor ceased to exist
FilingTypeCode	int	no	Filing Type Code.
FilingTypeDesc	nvarchar	yes	Filing Type Code Description.
FilingId	int	no	Sequence number to uniquely identify each transaction available for an investor
FundMgrId	bigint	yes	Organization Authority Perm ID for the fund manager disclosed on the UK Register.
LgcyFundMgrId	int	yes	Legacy internal identifier for the fund manager disclosed on the insider transaction.
BrokerId	int	yes	Perm ID of institution acting as intermediary between buyer and seller of shares
LgcyBrokerId	int	yes	Unique internal identifier of institution acting as intermediary between buyer and seller of shares. Used when no Perm ID is available for BrokerId.
DocCtrlNum	varchar	yes	The Document Control Number for US S.E.C. filing
AmendId	int	yes	Amendment Indicator: Investor is amending portions of a reported transaction. Field indicates the amendment number/sequence, if applicable.
AcqTypeCode	varchar	yes	Acquisition Type Description. Cross references table Own2Code where Type_ = 18. The options are: • Acq = Acquisition • Disp = Disposition • Mkt = Market • NMkt = Non-Market • Other = Other
AcqTypeDesc	nvarchar	yes	AcqTypeCode description.
HoldTypeCode	varchar	yes	Ownership Type Description. Cross references table Own2Code where Type_ = 14. The options are: • COMB = Combined Ownership • CONTR = Control or Direction • DIR = Direct Ownership • INDIR = Indirect Ownership • UNK = Unknown Ownership
HoldTypeDesc	nvarchar	yes	HoldTypeCode description.
LtsHoldTypeCode	char	yes	Indicates if holding is latest holding ("C") or prior holding ("P")
TransDate	smalldatetime	yes	Date securities were purchased or sold
TrdSeqNum	int	yes	As-reported sequence of insider transactions reported on same filing

Field	Type	Nullable	Description
TransTypeCode	varchar	yes	Transaction Type Description. Cross references table Own2Code where Type_ = 27.
TransTypeDesc	nvarchar	yes	Transaction Type Code Description
PctOustTrd	float	yes	Number of shares traded as a percentage of the shares outstanding. Consolidated view of holdings.
TransPrc	float	yes	Price per share at which securities were purchased or sold
IsOptionExr	tinyint	yes	Shares received in connection with exercise of options
IsBelowThld	tinyint	yes	Percentage of shares held have fallen below the reporting threshold
IsNLF	tinyint	yes	Investor no longer files. It has been determined that the investor is no longer subject to filing requirements -- e.g., the insider is no longer subject to section 16 of the US Exchange Act of 1934.
IsNLFDate	smalldatetime	yes	Date the investor was considered as no longer filing
IsGrpFiler	tinyint	yes	Indicates if investor is filing as a member of a limited partnership, syndicate or other group of investors
IsPreSaleOrPur	tinyint	yes	Indicates that the purchase or sale was predetermined pursuant to contract or plan. Also referred to as a "Rule 10b5-1 transaction".
DmdExecDate	datetime	yes	Date on which the broker, dealer or plan administrator notifies the reporting person that a transaction has been executed.
DerExerDate	smalldatetime	yes	Date on which options or derivative securities are first exercisable
DerConvOrExrPrc	float	yes	Conversion or exercise price of derivative security
DerExpOrMatDate	smalldatetime	yes	Date options or derivative securities expire
DerTraded	int	yes	Number of derivative securities acquired or disposed
DerHld	int	yes	Number of derivative securities beneficially owned following transaction.
DerAsRepPrc	float	yes	Price of derivative security (as reported by insider)
DerUndShsHld	int	yes	Number of securities underlying derivative security
PrdFeedCode	varchar	yes	For UK Trades, indicates if trade can be used in product or in feeds or is suspect.
IndBenfOwn	varchar	yes	If an insider has a pecuniary interest in securities held in the name of another person, that relationship is described in this field.
InsiderDate	smalldatetime	yes	Date the investor became an insider
CreateDate	smalldatetime	yes	Date transaction entered Ownership

Field	Type	Nullable	Description
UpdateDate	smalldatetime	yes	Date transaction was last updated
TableNum	int	yes	For US insider filings, indicates whether data is for Table 1 (non-derivatives) or Table 2 (derivatives). Valid values: 1 (for Table 1); 2 (for Table 2); or will be null for non-US filings.
RoleTypeCode	int	yes	Relationship of insider to issuer (e.g., director, CEO, etc). Cross references table Own2Code where Type_ = 7.
RoleTypeDesc	nvarchar	yes	RoleTypeCode description.
RoleSeqNum	int	yes	Sequence number to uniquely identify multiple roles reported for a particular investor's transaction

Example Use Case:

```sql
--This query returns the information about the transactions made by investor TA
Associates Management.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_PermInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2PermInvTransaction cc
    on cc.InstrPermID = bb.EntPermID
where cc.LgcyInvestorId = 2004491
order by aa.id, cc.TransDate, cc.TrdSeqNum, cc.HoldTypeCode
```

vw_Own2RDCIssuer

This view provides information about the freefloat of the securities of a given issuer using RDC tables for the mapping.

Index Fields
OrgId, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
OrgId	int	no	OrgID is the permanent identifier of the organization.
ComName	varchar	yes	ComName is the name of the organization in mixed case, manually limited to 80 characters to meet OptionX requirements. The organization's legal name is used to populate this field when the legal name does not exceed 80 characters.

Field	Type	Nullable	Description
LegalName	varchar	yes	LegalName is the fully registered legal name of the company, or the official name of the institution.
ShortName	varchar	yes	ShortName is the short name of the organization in mixed case (unless it is a recognized acronym entered in uppercase, such as IBM for International Business Machines Corp), manually limited to a maximum of 16 characters.
OrgStatus	char	yes	OrgStatus is the role-to-issue status of the organization. It can have the following values: • " AC = Active • " DC = Inactive Values are to be populated automatically, according to the type of organization. Values are never populated or maintained manually.
ContriCode	varchar	yes	ContriCode is the code used to identify organizations contributing data (usually quotes) to the real-time Integrated Data Network. (IDN). RDCOrgInfo.ContriCode cross-references with RDCDesc.Code where Type_ = 27035.
ContriTypeCode	char	yes	ContriTypeCode is the classifier of the contributing organization. ContriTypeCode can be bank or broker. RDCOrgInfo.ContriTypeCode cross-references with RDCDesc.Code where Type_ = 110661.
ClSiteLocCode	varchar	yes	ClSiteLocCode uniquely identifies the contributor. The code is comprised of the country code, followed by a generated sequence number of the contributor in that country. RDCOrgInfo.ClSiteLocCode cross-references with RDCDesc.Code where Type_ = 114785.
CntryHQISOCode	char	yes	CntryHQISOCode is the geographical headquarters of the organization. RDCOrgInfo.CntryHQISOCode cross-references with RDCDesc.Code where Type_ = 27165.
CntryOfIncCode	char	yes	CntryOfIncCode is the country in which the party received its charter, allowing it to operate as a corporation. If the country of incorporation is not disclosed, or if the company is not a corporation, then this would be populated the same as the current country or where the company was formed. RDCOrgInfo.CntryOfIncCode cross-references with RDCDesc.Code where Type_ = 30986.
ISOCurrCode	char	yes	ISOCurrCode is the currency of record of the fund entity. RDCOrgInfo.ISOCurrCode cross-references with RDCDesc.Code where Type_ = 80867.
OrgTypeCode	varchar	yes	OrgTypeCode is described in the OrgTypeCode section on page 11.

Field	Type	Nullable	Description
DFlag	int	yes	DFlag stores a bitmasked combination for the IsContributor, IsExch, and IsFundSupCmp data items.
NDAOrgID	bigint	yes	NDAOrgID
TMTPermID	varchar	yes	TMTPermID
GEMPermID	bigint	yes	GEMPermID
CalcBasisCode	tinyint	no	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
FreeFlt	bigint	yes	Company-level free float, representing all of its public equity instruments
FreeFltPct	float	yes	Company-level free float as a percent of total shares outstanding of all public equity instruments
ShsHldStgInv	bigint	yes	Represents the number of shares held by strategic investors (Corporations, Holding Companies, Individuals and Government Agencies) for all publicly-traded share classes.
FreeFltAdjRestShs	float	yes	Number of shares in Free Float, taking into account any restricted shares. (Issuer-level)
FreeFltPctAdjRestShs	float	yes	Free Float Percent, taking into account any restricted shares. (Issuer-level)
NoOfRestShs	float	yes	Number of restricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)
RestPeriodStDate	datetime	yes	Start Date of the period for which the shares are restricted. (Issuer-level.)
RestPeriodEndDate	datetime	yes	End Date of the period for which the shares are restricted. (Issuer-level.)
NoOfUnRestShs	float	yes	Number of unrestricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)
RestUnrestShsDate	datetime	yes	Date when Issuer reported the restricted and unrestricted shares
PctShsHldByStgInv	float	yes	Percent of shares outstanding held by strategic entities (e.g., individual investors, corporations, etc.) (Issuer-level.)

Example Use Case:

```sql
--This query returns the free float information about Vicor Corp.
select aa.*, cc.*
from vw_SecurityMasterX aa
join vw_RDCOrgMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join vw_Own2RDCIssuer cc
    on cc.OrgId = bb.VenCode
where aa.id = 'VICR'
order by cc.CalcBasisCode, cc.EffectFromDate
```

vw_Own2PermIssuer

This view provides information about the freefloat of the securities of a given issuer using Symbology tables for the mapping.

Index Fields
OrgPermID, AddrTypeCode, CalcBasisCode, EffectFromDate

Field	Type	Nullable	Description
OrgPermID	bigint	no	The id of the origination or body group to which an issuer relationship exists between the instrument and organization.
AddrTypeCode	smallint	no	Code representing the type of address: • " 1 – HEA: Headquarters • " 2 – LREG: Registered Address • " 3 – BRA: Branch • " 4 – MAI: Mailing • " 5 – UNK : Unknown
IsPublic	bit	yes	Is the organization public
IPODate	datetime2	yes	Date the company went public
ISO2CntryCode	char	yes	Organization Country Iso31661 Alpha Code
LegalName	nvarchar	yes	Full registered legal name of the company or official name of the institution (including upper and lower case characters). Reserved for the primary language version of the name. Where a Body Group legal or official name exists in more than one language - for example, Switzerland where an organization may be registered in up to four languages - the language most commonly used in the area where the head office is based is used for Legal Name purposes.

Field	Type	Nullable	Description
AddrLine1	nvarchar	yes	Text representing the first lines of an address - excluding county, zip code and country.
AddrLine2	nvarchar	yes	Text representing the first lines of an address - excluding county, zip code and country.
City	varchar	yes	Text representing the city part of an address.
StateProv	varchar	yes	Text representing the state or province part of an address.
PostalCode	varchar	yes	Text representing the first lines of an address - excluding county, zip code and country.
PriTRBCIndPermID	bigint	yes	Current primary TRBC assignment.
CntryGeoID	bigint	yes	Country or Geography Perm ID.
CalcBasisCode	tinyint	no	Indicates the period basis for calculations. Cross references table Own2Code where Type_ = 17. The options are: • 1 (M) = Monthly • 2 (Q) = Quarterly
CalcBasisDesc	varchar	yes	Calc basis code description.
EffectFromDate	smalldatetime	no	The date starting which the data is effective
EffectToDate	smalldatetime	yes	The date till which the data is effective
FreeFlt	bigint	yes	Company-level free float, representing all of its public equity instruments
FreeFltPct	float	yes	Company-level free float as a percent of total shares outstanding of all public equity instruments
ShsHldStgInv	bigint	yes	Represents the number of shares held by strategic investors (Corporations, Holding Companies, Individuals and Government Agencies) for all publicly-traded share classes.
FreeFltAdjRestShs	float	yes	Number of shares in Free Float, taking into account any restricted shares. (Issuer-level)
FreeFltPctAdjRestShs	float	yes	Free Float Percent, taking into account any restricted shares. (Issuer-level)
NoOfRestShs	float	yes	Number of restricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)
RestPeriodStDate	datetime	yes	Start Date of the period for which the shares are restricted. (Issuer-level.)
RestPeriodEndDate	datetime	yes	End Date of the period for which the shares are restricted. (Issuer-level.)
NoOfUnRestShs	float	yes	Number of unrestricted shares for the period in question (as defined by the Start and End Dates). (Issuer-level)

Field	Type	Nullable	Description
RestUnrestShsDate	datetime	yes	Date when Issuer reported the restricted and unrestricted shares
PctShsHldByStgInv	float	yes	Percent of shares outstanding held by strategic entities (e.g., individual investors, corporations, etc.) (Issuer-level.)

Example Use Case:

```sql
-- This query returns the free float information about Vicor Corp.
select aa.*, dd.*
from vw_SecurityMasterX aa
join vw_PermInstrMappingX bb
    on bb.SecCode = aa.seccode
    and bb.Typ = aa.typ
join PermInstrRef cc
    on cc.InstrPermID = bb.EntPermID
join vw_Own2PermIssuer dd
    on dd.OrgPermID = cc.OrgPermID
where aa.id = 'VICR'
    and dd.AddrTypeCode = 1
order by dd.CalcBasisCode, dd.EffectFromDate
```

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