Base Files

Xpressfeed User Guide

S&P Global
Market Intelligence

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Table of Contents

Document Overview 1
What You Will Find in This Guide 1
Who Should Read This Guide 1
How To Use This Guide 1
Supporting Documentation 2
Client Support 2
Executive Summary 3
Introduction 3
Base Files Data Packages 3
Company Foundation File 4
Issuer Foundation Plus File 6
Security Foundation File 7
Foundation Reference Files 8
Company File 9
Exchange Rates File 11
Exchange Rates V2 File 12
Schema 12
Security File 13
Equity Security File 15
Data Item Master File 17
Symbol/Helper Files 19

Foundation Files 21

Overview 21
Company Foundation File 23
Overview 23
Company Foundation File Schema 24
ciqCompany Table 25
ciqCompanyType Table 31
ciqCompanyStatusType Table 32
ciqState Table 33
ciqCountryGeo Table 33
ciqSimpleIndustry Table 34
ciqExchange Table 37
ciqCurrency Table 38
ciqSubType Table 39
ciqSymbolType Table 40
ciqObjectType Table 41
Issuer Foundation Plus File 43
Overview 43
Issuer Foundation Plus File Schema 44
ciqIssuer Table 45
ciqObjectRel Table 46
ciqObjectRelType Table 47
Security Foundation File 49
Overview 49
Security Foundation File Schema 49
Tables/Files 50
ciqFoundationSecurity Table 50
ciqFoundationTradingItem Table 51
Foundation Reference Files 53
Overview 53
Foundation Reference Files Schema 53

refCompanyType Table ... 55
refCompanyStatusType Table ... 56
refState Table ... 57
refCountryGeo Table ... 57
refSimpleIndustry Table ... 58
refReportingTemplateType Table ... 61
refExchange Table ... 62
refCurrency Table ... 63
refSubType Table ... 64
refSymbolType Table ... 65
refObjectType Table ... 66
refSecurityType Table ... 67
refSecuritySubType Table ... 67
refSecurityGroup Table ... 69
refCFICodeType Table ... 70
refUSCFICodeType Table ... 71

Additional Base Files ... 73

Overview ... 73
Company File ... 75
Overview ... 75
Company File Schema ... 76
ciqCompany Table ... 77
ciqCompanyStatusType Table ... 79
ciqCompanyType Table ... 80
ciqCountry Table ... 82
ciqState Table ... 82
ciqExchange Table ... 83
ciqCurrency Table ... 84
ciqReportingTemplateType Table ... 85
ciqSubType Table ... 90
ciqSymbolType Table ... 91
ciqObjectTypeTable ... 92
Exchange Rates File ... 93
Overview ... 93
Schema ... 93
Table Description ... 94
Translating Currency ... 94
Identify the Reporting Currency ... 94
Determine the Appropriate Exchange Rate ... 94
Calculate Value in the Primary Currency ... 95
Calculate Value in the Target Currency ... 95
Exchange Rates V2 File ... 97
Overview ... 97
Schema ... 98
ExchangeRate Table ... 98
ExchangeRateSnap Table ... 99
Translating Currency ... 99
Identify the Reporting Currency ... 100
Determine the Appropriate Exchange Rate ... 100
Calculate Value in the Primary Currency ... 100
Calculate Value in the Target Currency ... 100
Security & Equity Security Files ... 103
Overview ... 103
Security File Schema ... 104
ciqSecurity Table ... 105

ciqTradingItem Table 106
ciqTradingItemStatus Table 107
ciqSecurityGroup Table 108
ciqSecurityType Table 109
ciqSecuritySubType Table 109
ciqIndexTradingItemType Table 111
ciqSecurityToSecurityFeature Table 112
ciqSecurityFeatureType Table 112
Data Item Master File 113
Overview 113
Data Item Master File Schema 114
ciqDataItem Table 115
ciqDataItemFinancial Table 116
ciqDataItemConversionRule Table 116
ciqDataItemIndex Table 117
ciqDataItemIndexLevelVal Table 117
ciqDataItemFormulaMetric Table 118
ciqDataItemGroup Table 119
ciqDataItemGroupToDataItem Table 121
ciqDataItemEstimate Table 122
ciqDataItemEstimateRel Table 123
ciqDataItemEstimateRelType Table 124
ciqDataItemTransaction Table 125
ciqValueType Table 126
ciqDataItemBankRegulatory Table 127
ciqFinancialDataSet Table 128
ciqDataItemPIT Table 129
ciqDataItemToCSMnemonic Table 130
Symbol/Helper Files 131
Overview 131
Symbol/Helper Files 131
Schema 134
ciqSymbol Table 135
ciqSymbolMapping Table 137
ciqGvkeyIID Table 138
Appendix: Sample Query Solutions 139
Display reported currency and convert to target currency (Premium Financials) 140
Display reported currency and convert to target currency 143
Identify corresponding S&P Capital IQ identifiers for an ISIN symbol 146
Revision History 149

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List of Tables

Table 1. Examples of *dataItemIds* 17
Table 2. ciqCompany fields 26
Table 3. reportingTemplateTypeId Descriptions 27
Table 4. ciqCompanyType fields 31
Table 5. ciqCompanyType reference data 31
Table 6. ciqCompanyStatusType fields 32
Table 7. ciqCompanyStatusType reference data 32
Table 8. ciqState fields 33
Table 9. ciqCountryGeo fields 33
Table 10. ciqSimpleIndustry fields 34
Table 11. ciqSimpleIndustry reference data 34
Table 12. ciqExchange fields 37
Table 13. ciqCurrency fields 38
Table 14. ciqSubType fields 39
Table 15. ciqSymbolType fields 40
Table 16. ciqObjectType fields 41
Table 17. ciqObjectType reference data 41
Table 18. ciqIssuer fields 45
Table 19. ciqObjectType fields 46
Table 20. ciqObjectRelType fields 47
Table 21. ciqFoundationSecurity fields 50
Table 22. ciqFoundationTradingItem fields 51
Table 23. refCompanyType fields 55
Table 24. refCompanyType reference data 55
Table 25. refCompanyStatusType fields 56
Table 26. refCompanyStatusType reference data 56
Table 27. refState fields 57
Table 28. refCountryGeo fields 57
Table 29. refSimpleIndustry fields 58
Table 30. refSimpleIndustry reference data 58
Table 31. refReportingTemplateType table 61
Table 32. refReportingTemplateType reference data 61
Table 33. refExchange fields 62
Table 34. refCurrency fields 63
Table 35. refSubType fields 64
Table 36. refSymbolType fields 65
Table 37. refObjectType fields 66
Table 38. refObjectType reference data 66
Table 39. refSecurityType table 67
Table 40. refSecuritySubType table 67
Table 41. refSecurityGroup table 69
Table 42. refSecurityGroup reference data 69
Table 43. refCFICodeType table 70
Table 44. refCFICodeType sample reference data 70
Table 45. refUSCFICodeType table 71
Table 46. ciqCompany table 77
Table 47. ciqCompanyStatusType table 79
Table 48. ciqCompanyStatusType reference data 79
Table 49. ciqCompanyType table 80
Table 50. ciqCompanyType reference data 80
Table 51. ciqCountry table 82
Table 52. ciqState table 82
Table 53. ciqExchange table 83
Table 54. ciqCurrency table 84

Table 55. ciqReportingTemplateType table 85
Table 56. ciqReportingTemplateType reference data 86
Table 57. ciqSubType table 90
Table 58. ciqSymbolType table 91
Table 59. ciqObjectType table 92
Table 60. ciqObjectType reference data 92
Table 61. ciqExchangeRate table 94
Table 62. ciqExchangeRate table 98
Table 63. ExchangeRateSnap table 99
Table 64. ExchangeRateSnap reference data 99
Table 65. ciqSecurity table 105
Table 66. ciqTradingItem table 106
Table 67. ciqTradingItemStatus table 107
Table 68. ciqTradingItemStatus reference data 107
Table 69. ciqSecurityGroup table 108
Table 70. ciqSecurityGroup reference data 108
Table 71. ciqSecurityType table 109
Table 72. ciqSecuritySubType table 109
Table 73. ciqIndexTradingItemType table 111
Table 74. ciqIndexTradingItemType reference data 111
Table 75. ciqSecurityToSecurityFeature table 112
Table 76. ciqSecurityFeatureType table 112
Table 77. ciqDataItem table 115
Table 78. ciqDataItemFinancial table 116
Table 79. ciqDataItemConversionRule table 116
Table 80. ciqDataItemIndex table 117
Table 81. ciqDataItemIndexLevelVal table 117
Table 82. ciqDataItemFormulaMetric table 118
Table 83. Examples of *dataItemIds*, FormulaMetrics and descriptions 118
Table 84. ciqDataItemGroup table 119
Table 85. *dataItemGroupIds* and dataItemGroupNames 119
Table 86. ciqDataItemGroupToDataItem table 121
Table 87. ciqDataItemGroup reference data 121
Table 88. ciqDataItemEstimate table 122
Table 89. ciqDataItemEstimate reference data 122
Table 90. ciqDataItemEstimateRel table 123
Table 91. ciqDataItemEstimateRel reference data 123
Table 92. ciqDataItemEstimate RelType table 124
Table 93. ciqDataItemEstimateRelType reference data 124
Table 94. ciqDataItemTransaction table 125
Table 95. Sample ciqDataItemTransaction reference data 125
Table 96. ciqValueType table 126
Table 97. ciqValueType reference data 126
Table 98. ciqDataItemBankRegulatory table 127
Table 99. ciqDataItemBankRegulatory reference data 127
Table 100. ciqFinancialDataSet table 128
Table 101. ciqFinancialDataSet reference data 128
Table 102. ciqDataItemPIT table 129
Table 103. ciqDataItemToCSMnemonic table 130
Table 104. Symbol/Helper Files 131
Table 105. Symbol Types 133
Table 106. ciqSymbol table 135
Table 107. ciqSymbolTypeIds and symbolTypeNames 136
Table 108. ciqSymbolMapping table 137
Table 109. Gvkey IID Enhanced History File 138
.

Document Overview

What You Will Find in This Guide

The purpose of this document is to provide a comprehensive overview of the S&P Capital IQ Base Files. This document describes:

- the type of data included in the Base Files
- the data structure of the Base Files and all other tangible components of the data
- integration of the Base Files with other S&P Capital IQ data sets

Who Should Read This Guide

This publication is for use by Xpressfeed clients who subscribe to S&P Capital IQ data packages. The data may be delivered via the Xpressfeed Loader or can be retrieved directly via FTP.

How To Use This Guide

As a new client, we recommend that you read this guide in its entirety. If you prefer, you may skip to the sections that are specific to your needs. Below is an outline of the information provided in this document:

Executive Summary – This chapter gives an overview of S&P Capital IQ's Base Files.

Base File Table Descriptions – Chapters for each package provide a list of fields, field descriptions, format, positions and definitions. Chapters include:

Foundation Files

- Company Foundation File
- Issuer Foundation Plus File
- Security Foundation File

- Foundation Reference Files

Additional Base Files

- Company File
- Exchange Rates File
- Exchange Rates V2 File
- Security & Equity Security Files
- Data Item Master File
- Symbol/Helper Files

Sample Query Solutions – This appendix provides answers to common questions in a Q&A format. (Sample queries are provided in order to demonstrate table relationships and business rules. Please feel free to optimize the queries for best performance based on your use case.)

Supporting Documentation

There are several supporting documents specific to the Base Files on the S&P Capital IQ Support Center site:

- *Xpressfeed Loader User Guide* – This user guide outlines the features and capabilities of the Xpressfeed Loader.
- *EDX FTP File Delivery Technical Guide for Xpressfeed* - This document provides information for clients who download S&P Capital IQ Base Files directly from the FTP server and write their own loading procedures.
- *EDX File Format Spreadsheets* – These spreadsheets contain details for each file delivered in your subscription including: full and change file zip file prefixes, individual text file names, and information for each column in the file (e.g., column names, column data types, whether the column is nullable, and primary keys).

Client Support

S&P Capital IQ is committed to quality products and customer service. Any time you have questions about your Xpressfeed data, you will find our Client Support Center to be an important resource. Staffed by a team of dedicated professionals, our Client Support Center is available to assist you.

Please refer to the Client Support contact information provided at the beginning of this document.

Executive Summary

Introduction

S&P Capital IQ provides over 120 financial and non-financial data sets to help clients enhance their proprietary analytics, backtest their investment thesis, populate financial models, analyze portfolios, and support financial portals, CRM systems, and other integral business applications. Our clients value S&P Capital IQs data for its breadth, depth, accuracy, timeliness, and ease of integration. S&P Capital IQ data is delivered by Xpressfeed for easy data loading and maintenance and for quick, seamless integration with all S&P Capital IQ and Compustat data packages.

Base Files Data Packages

The Base Files are the required foundation for all other S&P Capital IQ data. The base files enable you to use all other S&P Capital IQ data by associating companies, symbols, securities and other base objects across all S&P Capital IQ data sets.

The Base Files consist of:

Foundation Files

- Company Foundation File
- Issuer Foundation Plus File
- Security Foundation File
- Foundation Reference Files

Additional Base Files

- Company File
- Exchange Rates File

- Exchange Rates V2 File
- Security & Equity Security Files
- Data Item Master File
- Symbol/Helper Files

The individual Base Files you receive vary depending upon your S&P Capital IQ data package subscription. If you have any questions, please contact your account team.

This chapter provides a description and a database diagram for each of the Base Files. The schemas show the structure of S&P Capital IQ Base Files as delivered via the Xpressfeed Loader. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for non-Loader clients is given beneath each table. The schema lists each field contained within a record. For clients using a custom loading process, you may find the diagram helpful in identifying primary keys and in applying Change File updates.

Foundation Files

Foundation Files provide reference data for companies, issuers, and securities for all Xpressfeed packages.

Company Foundation File

Depending upon your subscription, you will receive either the Company Foundation / Company Foundation Plus file or the Company file.

The S&P Capital IQ Company Foundation and Company Foundation Plus Files include company-level data that uniquely identifies and defines companies. Both files include the public company universe. The Company Foundation Plus file also includes Dun & Bradstreet private companies.

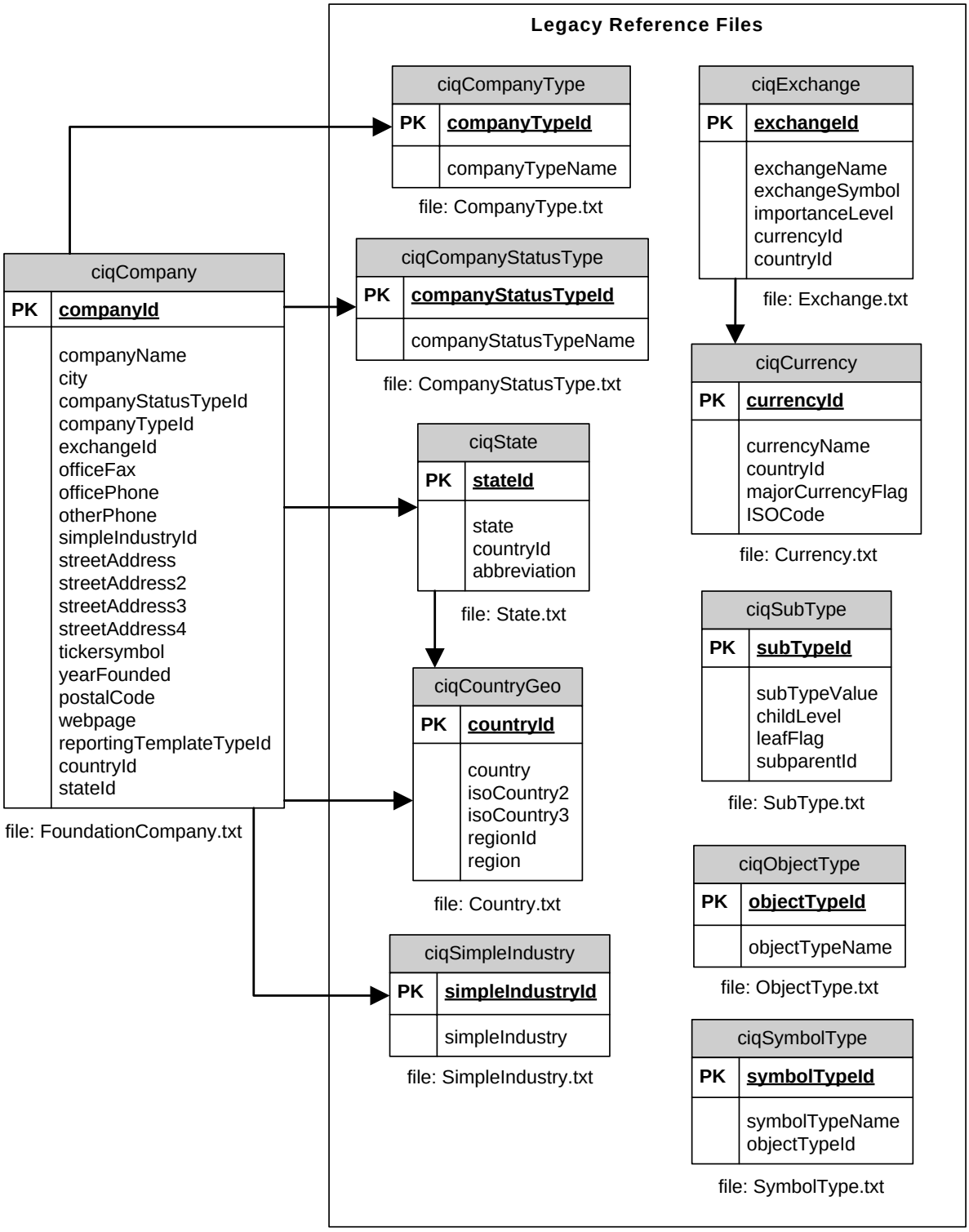
Both files contain the company name, the *companyId* (S&P Capital IQ's unique company identifier), primary address information, company type, primary industry, company status and year founded. The *companyId* is used throughout the other files to associate companies to other items of S&P Capital IQ content.

The Company Foundation and Company Foundation Plus Files are necessary when you want to:

- display company-specific information in your queries
- provide descriptive information about a company in your queries
- filter your data based on a company

Schema

The primary table in the Company Foundation File is **ciqCompany**. This table links to the legacy reference files provided in the package or can be linked to the new Foundation Reference Files.

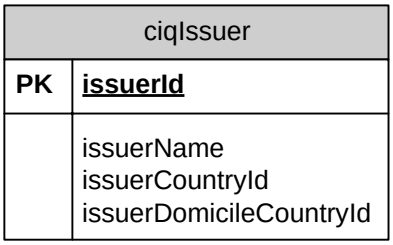


Please see the chapter titled **Company Foundation File** for additional information.

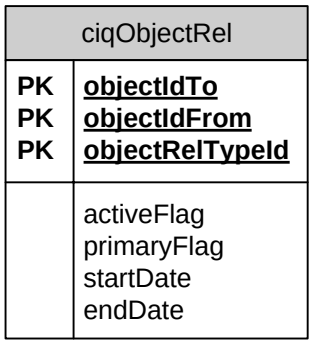
Issuer Foundation Plus File

The S&P Capital IQ Issuer Foundation Plus file provides issuer to-entity relationships. It contains the *issuerId* (S&P Capital IQ's unique issuer identifier), the issuer name and the country of headquarters. The Issuer Foundation Plus file is necessary when you subscribe to the Business Entity Cross Reference Service CC6 identifier package.

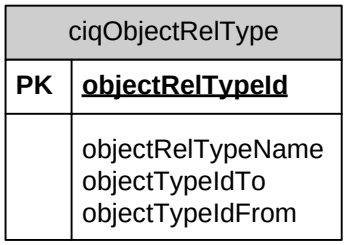
Schema



file: Issuer.txt



file: IssuerRel.txt



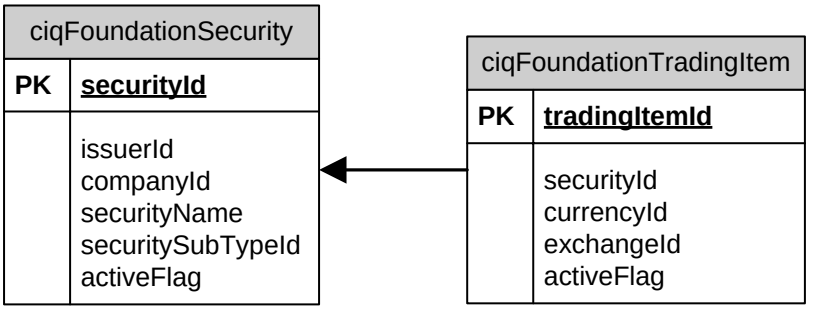
file: ObjectRelType.txt

Please see the chapter titled **Issuer Foundation Plus File** for additional information.

Security Foundation File

The Security Foundation file provides a base for linking all Xpressfeed security data to company level data and other Xpressfeed data sets. The S&P Capital IQ Security Foundation file contains the *securityId* (S&P Capital IQ's unique security identifier), the *tradingItemId* (S&P Capital IQ's unique trading item identifier The Security Foundation file allows you to link company, security and trading item objects to each other and to other Xpressfeed datasets using S&P Capital IQ identifiers.

Schema



file: FoundationSecurity.txt file: FoundationTradingItem.txt

Please see the chapter titled **Security Foundation File** for additional information.

Foundation Reference Files

The Foundation Reference Files deliver all supporting and ISO reference data used throughout Xpressfeed datasets and products.

Schema

refCompanyType	
PK	**companyTypeId**
	companyTypeName

file: companyType.txt

refCompanyStatusType	
PK	**companyStatusTypeId**
	companyStatusTypeName

file: companyStatusType

refState	
PK	**stateId**
	state countryId abbreviation

file: state.txt

refCountryGeo	
PK	**countryId**
	country isoCountry2 isoCountry3 regionId region

file: countryGeo.txt

refSimpleIndustry	
PK	**simpleIndustryId**
	simpleIndustry

file: simpleIndustry.txt

refReportingTemplateType	
PK	**templateTypeId**
	templateTypeName description

file: reportingTemplateType.txt

refExchange	
PK	**exchangeId**
	exchangeName exchangeSymbol operatingMIC segmentMIC publishedMIC currencyId countryId

file: exchange.txt

refCurrency	
PK	**currencyId**
	currencyName countryId majorCurrencyFlag ISOCode

file: currency.txt

refSubType	
PK	**subTypeId**
	subTypeValue childLevel leafFlag subparentId

file: subType.txt

refSymbolType	
PK	**symbolTypeId**
	symbolTypeName objectTypeId

file: symbolType.txt

refObjectType	
PK	**objectTypeId**
	objectTypeName

file: objectType.txt

refSecurityType	
PK	**securityTypeId**
	securityTypeName securityGroupId

file: securityType.txt

refSecuritySubType	
PK	**securitySubTypeId**
	securitysubTypeName securityTypeId

file: securitySubType.txt

refSecurityGroup	
PK	**securityGroupId**
	securityGroupName

file:securityGroup.txt

refCFIcode	
PK	**cfiCode**
	cfiDescription

file: cfiCode.txt

refUSCFICodeType	
PK	**usCFICode**
	cfiDescription

file: USCFICodeType.txt

Please see the chapter titled **Foundation Reference Files** for additional information.

Additional Base Files

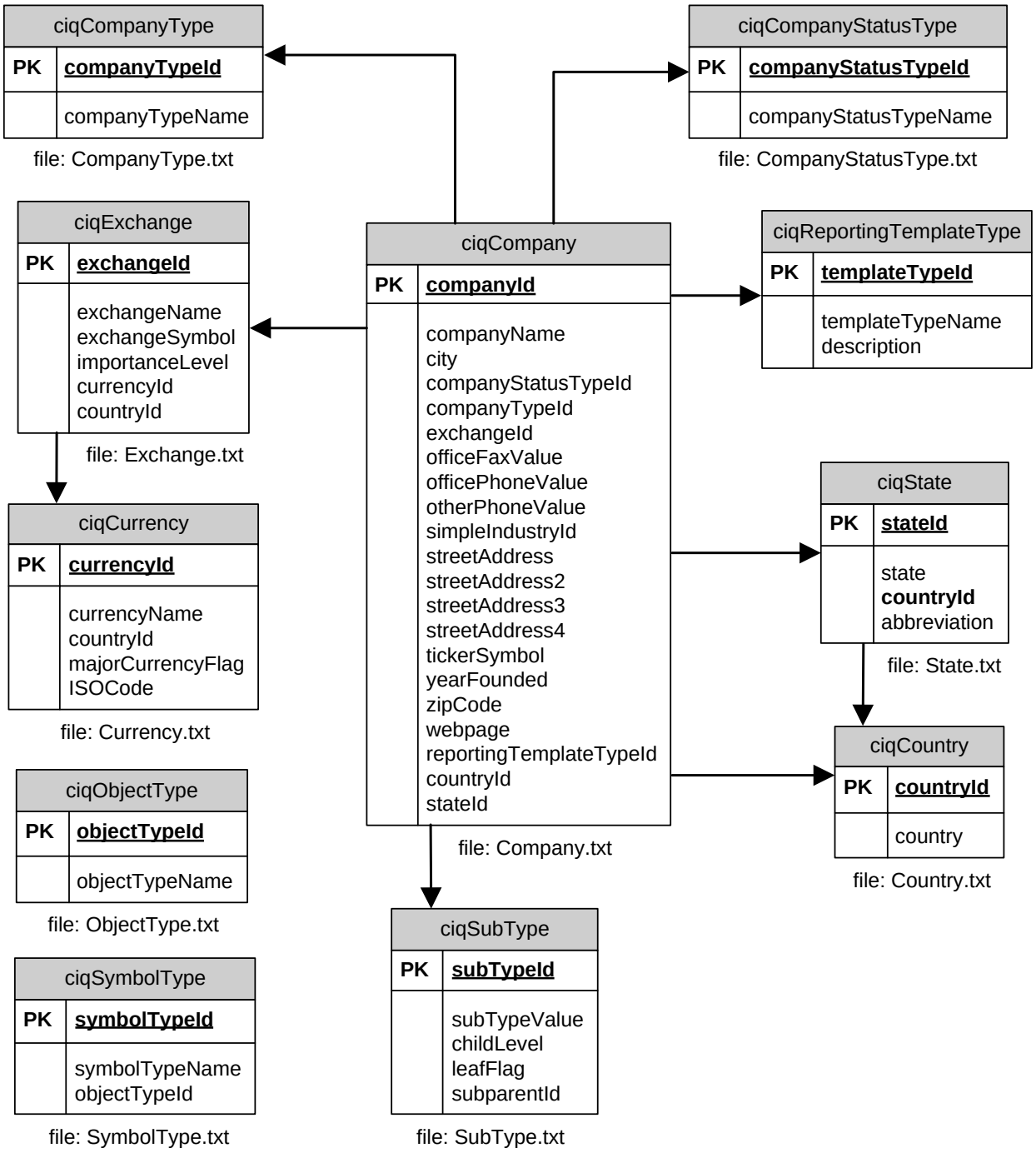
Company File

The S&P Capital IQ Company File include company-level data that uniquely identifies and defines companies. Both files include the public company universe. The Company File contains the company name, the *companyId* (S&P Capital IQ's unique company identifier), primary address information, company type, primary industry, company status and year founded. The *companyId* is used throughout the other files to associate companies to other items of S&P Capital IQ content.

The Company File is necessary when you want to:

- display company-specific information in your queries
- provide descriptive information about a company in your queries
- filter your data based on a company

Schema



Note:

- The *simpleIndustryId* data item (in the **ciqCompany** table) links to the *subTypeId* primary key (in the **ciqSubType** table).
- The *reportingTemplateTypeId* data item (in the **ciqCompany** table) links to the *templateTypeId* primary key (in the **ciqReportingTemplateType** table).

Please see the chapter titled **Company File** for additional information.

Exchange Rates File

S&P Capital IQ supplies data in the reported currency and provides the exchange rates for currency translation, creating common ground for analysis of a specific data item over time or at a particular historical time. The Exchange Rates file contains a time series of exchange rates converted into USD (foreign currency per USD, one record per day). The rates are calculated based on London close and historical rates start in 1971.

Schema

The schema for the Exchange Rates file reflects the Xpressfeed Loader table name and presents the associated file name for direct feed clients. Primary keys appear in bold font in the database tables and are designated with the abbreviation “PK.”

ciqExchangeRate	
PK **PK**	**pricingDate** **currencyId**
	currencyRateClose latestFlag

file: ExchangeRate.txt

More information regarding currency and exchange data may be found in the chapter titled **Exchange Rates File**.

Exchange Rates V2 File

S&P Capital IQ provides the exchange rates for translating currencies, which creates common ground for the analysis of a specific data item over time or the analysis of a ratio that includes multiple items, at a particular historical time.

The Exchange Rates V2 file provides intraday pricing snaps that allow you to better understand real-time volatility and risk. S&P Capital IQ delivers data in the company's reported currency (which frequently means native currency). The Exchange Rates V2 file contains a time series of exchange rates (i.e., "snaps") converted into USD.

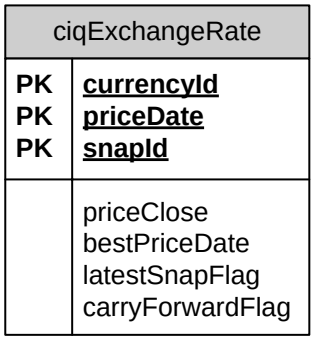
Data in the tables is in the reported currency and reflects exchange rates in the following markets:

- Sydney_Close
- Tokyo_Close
- London_Midday
- London_Close
- NewYork_Midday
- NewYork_Close

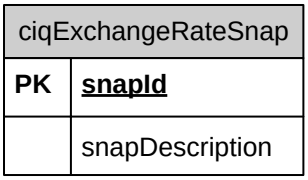
History for exchange rates goes back to 1971. Please note that prior to October 26, 2016 only the London Close price is available.

Schema

The schema for the Exchange Rates V2 file reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



ExchangeRate.txt



ExchangeRateSnap.txt

More information regarding currency and exchange data may be found in the chapter titled **Exchange Rates V2 File**.

Security File

The Security file identifies all trading securities of a company including equity, fixed income and debt securities. The file contains active and inactive securities, all active and inactive trading items for each security and a flag identifying the primary security for a company and the primary trading item for each security.

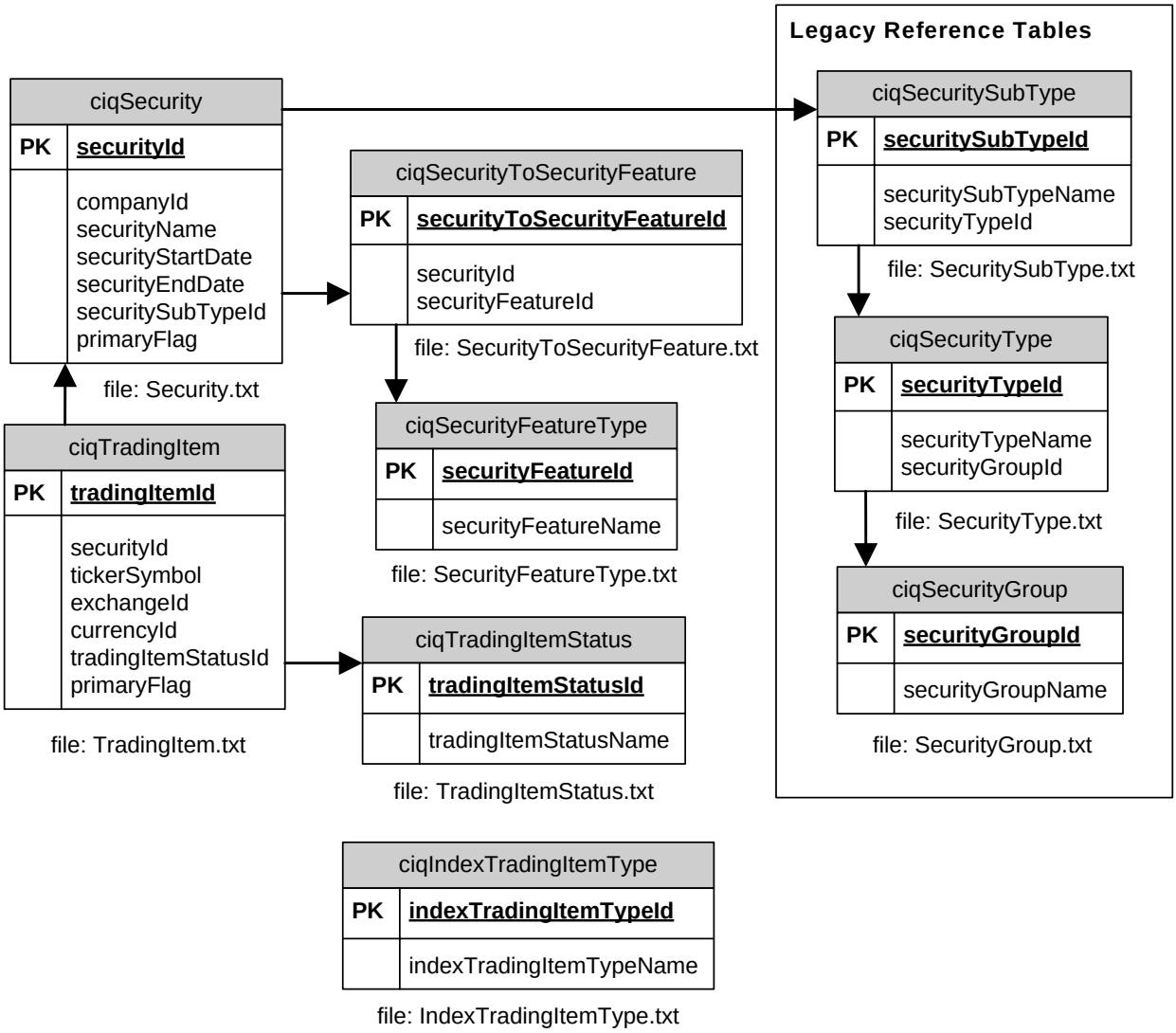
The Security file is used with other files that relate to debt and equity security population. Clients may choose to receive the Security file when subscribing to S&P Capital IQ Index packages.

The Security file is necessary when you want to:

- provide or filter on descriptive information for a security and trading item in your queries
- join the security to a specific company
- associate a single security to the multiple exchanges on which it trades

Schema

The primary table in the Security File is **ciqSecurity**. This table links to the legacy reference files provided in the package or can be linked to the new Foundation Reference Files.



More information regarding Security data may be found in the chapter titled **Security and Equity Security Files.**

Equity Security File

The Equity Security file is a subset of the Security file. It identifies the equity securities of a company including all common and preferred securities and depository receipts. The file contains both active and inactive equity securities and all active and inactive trading items for each equity security.

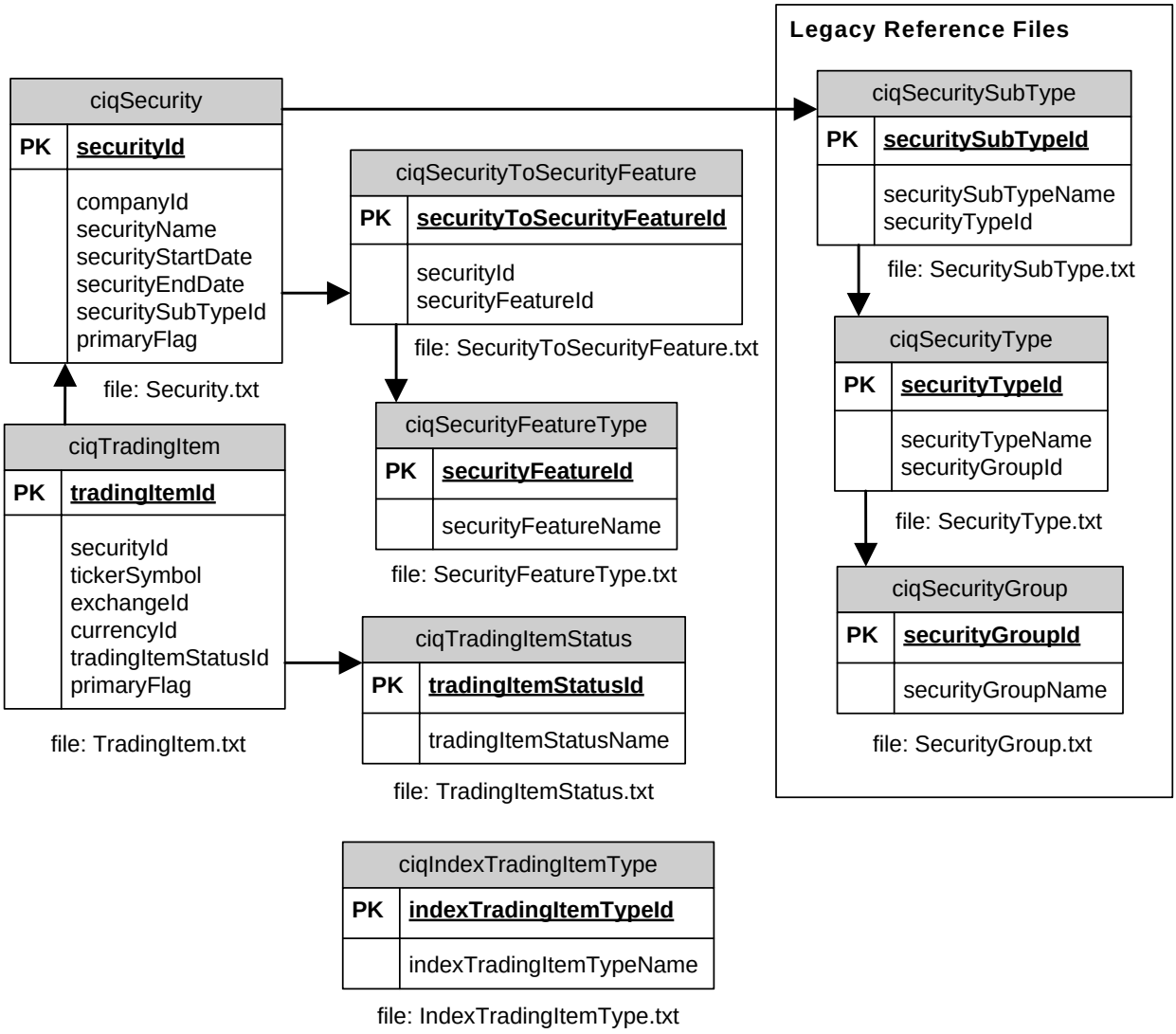
The Equity Security file is intended to be used with other files that relate to equity security population. This file is the foundation for security-level data files and provides an issue description and related security classifications.

The Equity Security file is necessary when you want to:

- provide or filter on descriptive information for an equity security and trading item in your queries
- join the equity security to a specific company
- associate a single equity security to the multiple exchanges on which it trades

Schema

The Equity Security file uses the same schema as the Security file. The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients. Primary keys appear in bold font in the database tables and are designated with the abbreviation “PK.”



More information regarding Security data may be found in the chapter titled **Security and Equity Security Files**.

Data Item Master File

The Data Item Master file is used to categorize content and describe characteristics of data items. This file is the repository for all available *dataItemIds* across S&P Capital IQ data sets.

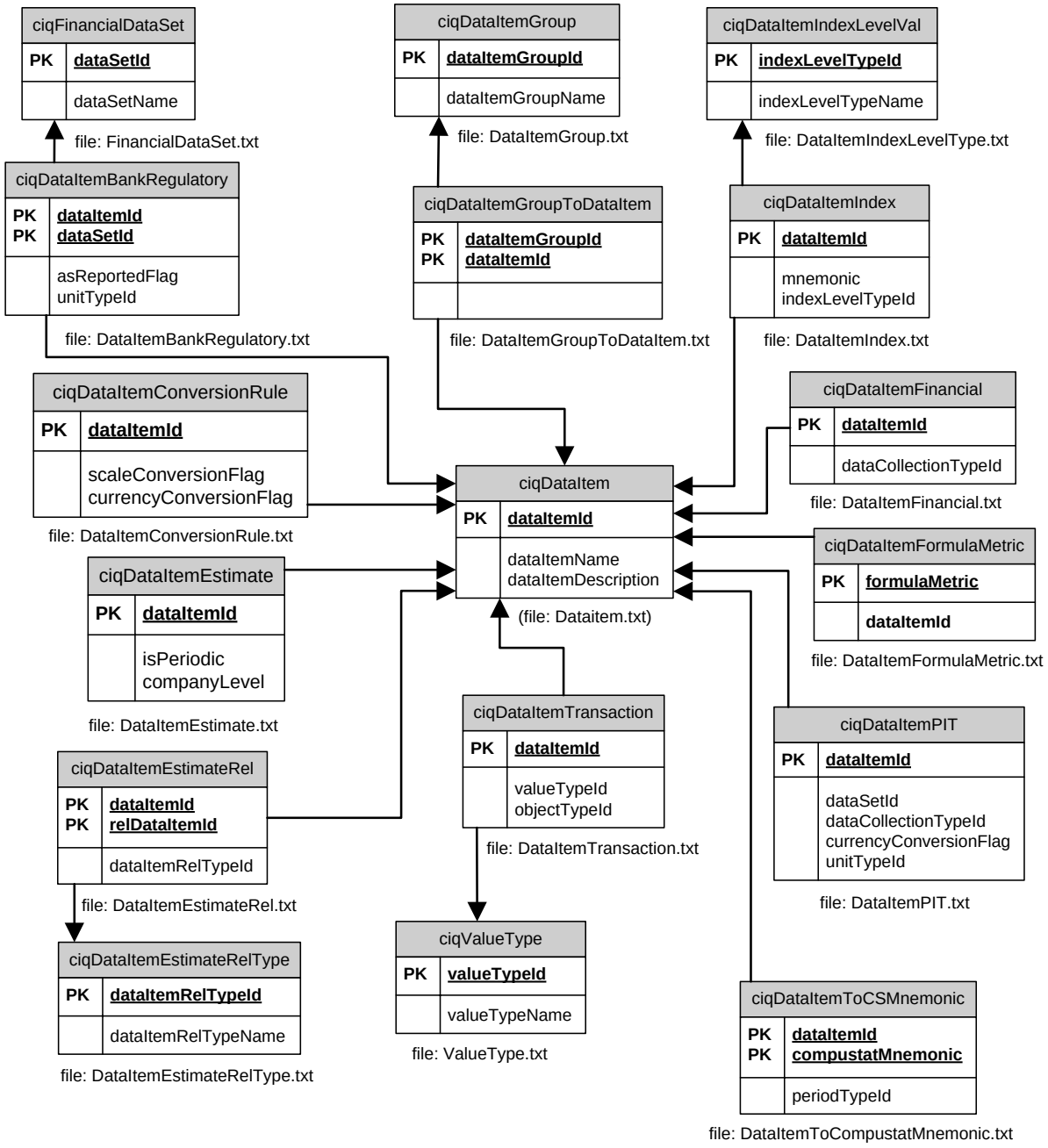
The Data Item Master File provides textual descriptions of all *dataItemIds*. The *dataItemId* associates a unique data item identifier with its textual description and its definition. For example:

Table 1. Examples of *dataItemIds*

dataItemId	Description	Data Package
28	Total Revenue	Premium Financials
300	Sales	Premium Financials
104096	Capital Expenditures – Actual	Consensus Estimates
21655	Capital Expenditures	Detail Estimates

Use the Data Item Master file to bring the data item name of a specific *dataItemId* into your queries.

Schema



More information regarding the Data Item Master file may be found in the chapter titled **Data Item Master File**.

Symbol/Helper Files

The S&P Capital IQ Symbol/Helper files offer multiple files for cross-referencing. These Symbol/Helper files are used to:

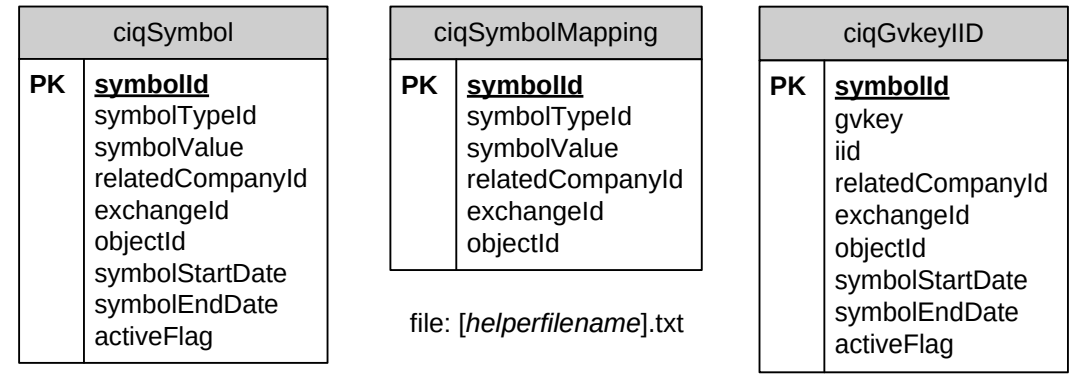
- retrieve data by CUSIP, ISIN, SEDOL, company ticker symbol, etc.
- link a specific universal ID to the S&P Capital IQ *companyId, securityId* or *tradingItemId*

Schema

The schema for the Symbol/Helper files reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients. Primary keys appear in bold font in the database tables and are designated with the abbreviation "PK."

The **ciqSymbol** table provides a time series version of the various identifier mappings. The **ciqSymbolMapping** table is a subset of the **ciqSymbol** table that provides all the mapping information without the start and end dates. Typically, you will receive data in only one of these tables.

The GVKEY IID Enhanced History file is the only Symbol/Helper file that loads into the **ciqGvkeyIID** table.



More information regarding S&P Capital IQ Symbol/Helper Files may be found in the chapter titled **Symbol/Helper Files**.

Foundation Files

Overview

The Foundation Reference Files deliver all supporting and ISO reference data used throughout Xpressfeed datasets and products.

The following chapters provide a list of fields, field descriptions, format, positions and definitions for the Foundation Files:

- Company Foundation and Company Foundation Plus Files
- Issuer Foundation Plus File
- Security Foundation File
- Foundation Reference Files

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Company Foundation File

Overview

The S&P Capital IQ Company Foundation and Company Foundation Plus Files include company-level data that uniquely identifies and defines companies. Both files include the public company universe. The Company Foundation Plus file also includes Dun & Bradstreet private companies.

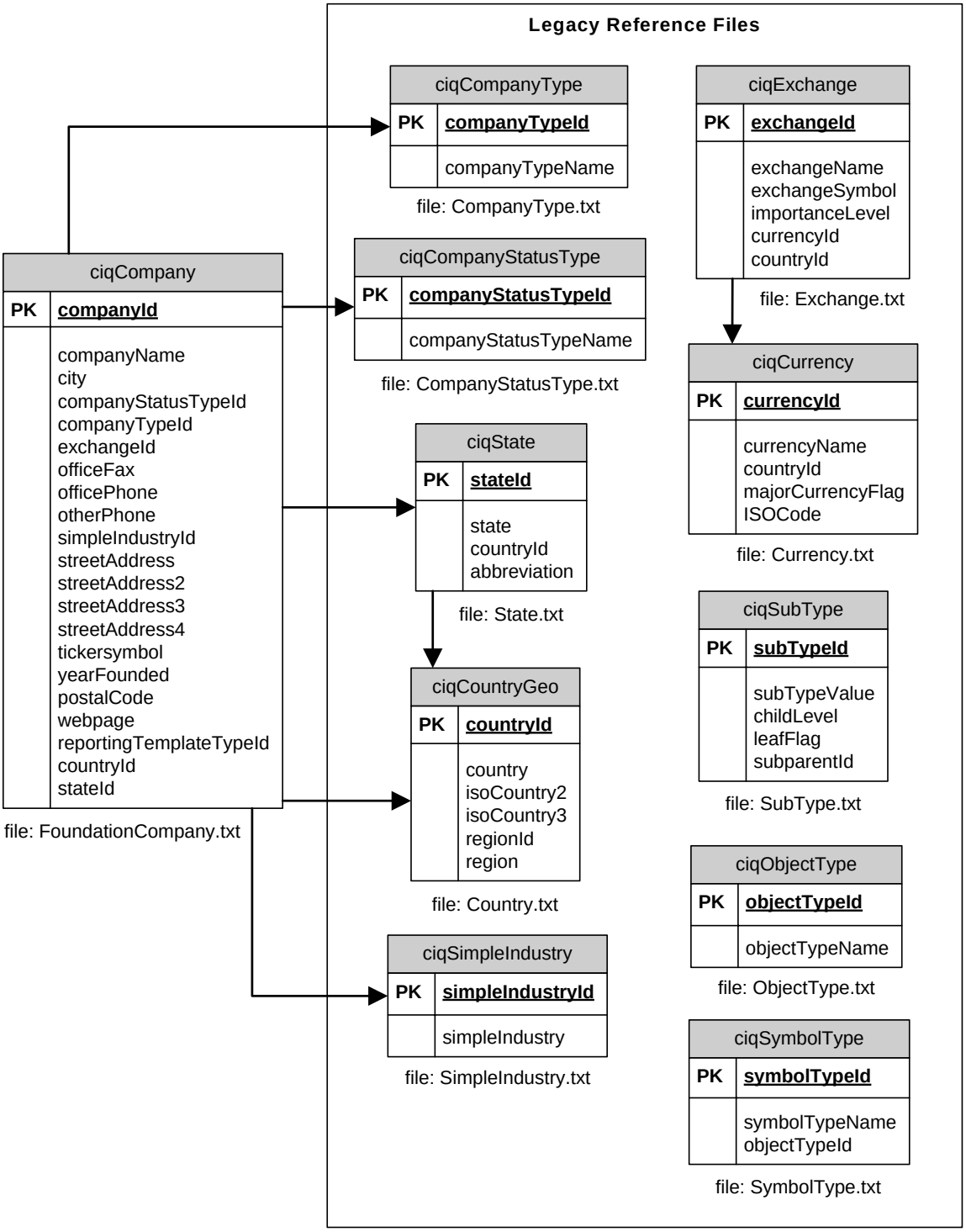
Both files contain the company name, the *companyId* (S&P Capital IQ's unique company identifier), primary address information, company type, primary industry, company status and year founded. The *companyId* is used throughout the other files to associate companies to other items of S&P Capital IQ content.

The Company Foundation and Company Foundation Plus Files are necessary when you want to:

- display company-specific information in your queries
- provide descriptive information about a company in your queries
- filter your data based on a company

Company Foundation File Schema

The Company Foundation schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients. The primary table in the Company Foundation File is **ciqCompany**. This table links to the legacy reference files provided in the package or can be linked to the new Foundation Reference Files.



This section contains a description of each table and table field in the Company Foundation schema.

ciqCompany Table

The **ciqCompany** table contains basic information for a company. It contains the unique S&P Capital IQ company identifier (*companyId*), which is used to tie in all other S&P Capital IQ data files, and the company name, status, type, primary address and other related company details.

ciqCompany	
PK	**companyId**
	companyName city companyStatusTypeId companyTypeId exchangeId officeFax officePhone otherPhone simpleIndustryId streetAddress streetAddress2 streetAddress3 streetAddress4 tickersymbol yearFounded zipCode webPage reportingTemplateTypeId countryId stateId

file: FoundationCompany.txt

Below you will find a description for each column in the **ciqCompany** table.

Table 2. ciqCompany fields

Data Item	Data Type	Description
companyId	int	The unique entity identifier created by S&P Capital IQ
companyName	varchar	The name of the Company
city	varchar	The city of the headquarters
companyStatusTypeId	smallint	An identifier that provides the status of the company (e.g., Operating, Bankrupt, Acquired)
companyTypeId	smallint	An identifier that denotes the type of the given company (e.g., Public, Private, Investment Firm, Foundation)
exchangeId	int	Null
officeFaxValue	varchar	Fax number of the headquarters
officePhoneValue	varchar	Main phone number of the headquarters
otherPhoneValue	varchar	Alternate phone number of the headquarters
simpleIndustryId	int	Primary industry of the company. For descriptive data, link to the **ciqSimpleIndustry** reference table.
streetAddress	varchar	First line of the street address for the headquarters
streetAddress2	varchar	Second line of the street address for the headquarters
streetAddress3	varchar	Third line of the street address for the headquarters
streetAddress4	varchar	Fourth line of the street address for the headquarters
tickerSymbol	varchar	Null
yearFounded	int	Year the firm was founded
zipCode	varchar	Zip code of the headquarters
webpage	varchar	Web address for the company
reportingTemplateTypeId	tinyint	Unique identifier for the template type. Defines the template in which a company's financials were collected (e.g. Bank, Industrial, Insurance, See the following table for a description of the template types.
countryId	int	Country identifier for the entity headquarters
stateId	int	State identifier for the entity headquarters

Table 3. reportingTemplateTypeId Descriptions

templateTypeId	templateTypeName	description
1	Standard	A Manufacturing Company may be engaged in the business of: • Manufacturing • Rendering Services • Retail selling • Wholesale selling All the above categories are integrated in the Standard Template. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Sales • Service revenues • Royalties • Franchise fee • Commissions • Fee In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Cost of sales • Cost of Services • Commission charges
2	Banks	A Bank is a registered holding Company under the Banking Act (U.S.A.) whose primary business is to take deposits from public and lend it to others and performs consumer and commercial services. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Interest Income on loans/ deposits • Dividend Income • Finance Charges In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Interest Expense • Provision for loan losses • Service Charges on Deposits • Credit Card Fee In the liabilities of the Balance Sheet, the companies under this template will have line items such as: • Deposits In the Assets Block of the Balance Sheet, the companies under this template will have line items such as: • Loan receivables • Interest receivables

templateTypeId	templateTypeName	description
3	Insurance	The Insurance companies include life, health, property, casualty, and title insurance companies, as well as reinsurance companies. The companies have its own insurance business. in the Income Block of the Income Statement, the companies under this template will have line items such as: • Premiums • Insurance and Annuity Revenues • Interest/ Investment income In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Policy Benefits • Policy Acquisition/Underwriting Costs and Insurance related Expenses In the Assets section of the Balance Sheet, the companies under this template will have line items such as: • Investment premiums receivable In the Liabilities section of the Balance Sheet, the companies under this template will have line items such as: • Unearned premiums • Policy benefits & insurance • Reinsurance
4	Utility	Utility is a Regulated Industry. Such Companies provide essential services to the customers where rates are regulated by the Government or the Regulated body or authority. Utility companies provide essential services to consumers like gas, water, electricity or a combination of the above and are engaged in the production, processing, storage, transportation etc. Conditions: **1.** Company should be engaged in the business of supply of Electricity, Gas, and Water or combined. **2.** Company should be registered as a Utility under the utility or any other relevant Govt. Act **3.** Pricing of its supplies to customers is regulated by a Regulatory Commission appointed for the purpose in relation to supply of Gas, Electricity and Water. **4.** Balance sheet or notes contain mention of regulatory assets/liabilities (Some companies just call in Balance Sheet as assets/liabilities, the fact that these are regulated is mentioned in notes)

templateTypeId	templateTypeName	description
5	Real Estate	REITs are companies that own, manage, and develop a number of diversified properties. These companies must follow strict guidelines and in the end remain exempt from corporate taxation. A REIT is essentially a corporation or business trust that combines the capital of many investors to acquire or provide financing for all forms of real estate. A REIT serves much like a mutual fund for real estate in that retail investors obtain the benefit of a diversified portfolio under professional management. Its shares are freely traded, often on a major stock exchange. A Corporation or trust that qualifies as a REIT generally does not pay corporate income tax to the Internal Revenue Service (IRS). This is a unique feature and one of the most attractive aspects of a REIT. Most states honor this federal treatment and do not require REITs to pay state income tax.
7	Financial Services	Financial services companies earn interest and dividend as their main revenues and there should have loan / lease receivables in their balance sheet. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Interest / Dividend income • Finance Charges • Mortgage Banking • Credit Card charges In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Interest Expense • Provision for loan losses In the liabilities section of the Balance Sheet, the companies under this template will have line items such as Deposits. In the Assets Block of the Balance Sheet. The companies under this template will have line items such as: • Loans • loans/lease receivables • Investments

templateTypeId	templateTypeName	description
8	Capital Markets	Capital Markets should only be engaged in the business of securities/shares brokerage. Their main revenues should be from commissions, fees only and these companies should show securities in their balance sheet (these securities should be for resale only). In the Income Block of the Income Statement, the companies under this template will have line items such as: • Commissions • Principal Transactions • Fees In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Commissions • Transaction expenses • Payments to Clearing houses In the liabilities of the Balance Sheet, the companies under this template will have line items such as Securities held for resale. In the Assets Block of the Balance Sheet, the companies under this template will have line items such as Securities held for resale.

ciqCompanyType Table

The **ciqCompanyType** reference table defines the different entity types of a company. Use this table to retrieve a description for the *companyTypeId* or to filter on a type of organizational entity.

ciqCompanyType	
PK	**companyTypeId**
	companyTypeName

file: CompanyType.txt

Below you will find a description for each column in the **ciqCompanyType** table.

Table 4. ciqCompanyType fields

Data Item	Data Type	Description
companyTypeId	smallint	Unique identifier for each entity type
companyTypeName	varchar	Textual description of the entity type

Below is an example of reference data in the ciq**CompanyType** table.

Table 5. ciqCompanyType reference data

companyTypeId	companyTypeName
1	Public Investment Firm
2	Private Investment Firm
3	Assets/Products
4	Public Company
5	Private Company
6	Corporate Investment Arm
7	Financial Service Investment Arm
8	Index
9	Private Fund
11	Fund Family
12	Currency Rate
13	Public Fund
16	Interest Rate
17	Educational Institution
18	Arts Institution
19	Labor Union
20	Government Institution
21	Religious Institution
22	Trade Association
23	Foundation/Charitable Institution
24	Industry
25	Commodity
26	Rate Group
27	Yield Curve

ciqCompanyStatusType Table

The **ciqCompanyStatusType** reference table defines the different status types for an entity. You can use this table to include a description in your query for the *companyStatusTypeId* or to filter on specific status types.

ciqCompanyStatusType	
PK	**companyStatusTypeId**
	companyStatusTypeName

file: CompanyStatusType.txt

Below you will find a description for each column in the **ciqCompanyStatusType** table.

Table 6. ciqCompanyStatusType fields

Data Item	Data Type	Description
companyStatusTypeId	smallint	Unique identifier for each status type
companyStatusTypeName	varchar	Textual description of the status type (e.g., Operating, Reorganizing, Acquired)

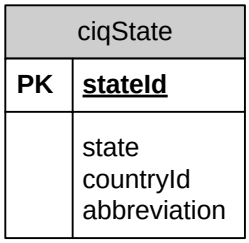
The table below provides an example of the reference data in the **ciqCompanyStatusType** table.

Table 7. ciqCompanyStatusType reference data

companyStatusTypeId	companyStatusTypeName
1	Operating
2	Operating Subsidiary
4	Reorganizing
5	Out of Business
6	Acquired
7	No Longer Investing
8	Launched
9	First Close
10	Secondary Close
11	Final Close
12	Fully Invested
13	Fully Liquidated
14	Withdrawn
16	Pre-Event Profile
17	Non-Operating Shell Company
18	Inactive Index, Exchange Rate, or Interest Rate
19	Liquidating
20	Active

ciqState Table

The **ciqState** reference table provides unique state identifiers.



file: State.txt

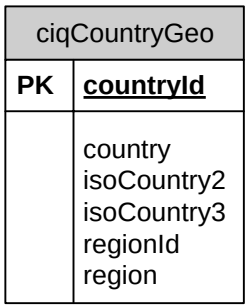
Below you will find a description for each column in the **ciqState** table.

Table 8. ciqState fields

Data Item	Data Type	Description
stateId	int	Unique identifier for the state
state	varchar	Textual description of the state
countryId	int	Unique identifier for the country. Map to the Country table for country description.
abbreviation	varchar	Abbreviation of the state (e.g., NY)

ciqCountryGeo Table

The **ciqCountryGeo** table provides unique country identifiers, region information and ISO country codes.



file: CountryGeo.txt

Below you will find a description for each column in the **ciqCountryGeo** table.

Table 9. ciqCountryGeo fields

Data Item	Data Type	Description
countryId	int	Unique identifier for the country
country	varchar	Textual description for the country
ISOCountry2	varchar	ISO alpha-2 country code
ISOCountry3	varchar	ISO alpha-3 country code
regionId	int	Unique identifier for the region
region	varchar	Textual description for the region

ciqSimpleIndustry Table

The **ciqSimpleIndustry** reference table provides unique identifiers and other descriptors for industries.

ciqSimpleIndustry	
PK	**simpleIndustryId**
	simpleIndustry

file: SimpleIndustry.txt

Below you will find a description for each column in the **ciqSimpleIndustry** table.

Table 10. ciqSimpleIndustry fields

Data Item	Data Type	Description
simpleIndustryId	tinyint	Unique identifier for the industry
simpleIndustry	varchar	Descriptive name for the industry

The table below provides an example of the reference data in the **ciqSimpleIndustry** table.

Table 11. ciqSimpleIndustry reference data

simpleIndustryId	simpleIndustry
1	Energy Equipment and Services
2	Oil, Gas and Consumable Fuels
3	Chemicals
4	Construction Materials
5	Containers and Packaging
6	Metals and Mining
7	Paper and Forest Products
8	Aerospace and Defense
9	Building Products
10	Construction and Engineering
11	Electrical Equipment
12	Industrial Conglomerates
13	Machinery
14	Trading Companies and Distributors
15	Commercial Services and Supplies
16	Professional Services
17	Air Freight and Logistics
18	Airlines
19	Marine
20	Road and Rail
21	Transportation Infrastructure
22	Auto Components

simpleIndustryId	simpleIndustry
23	Automobiles
24	Household Durables
25	Leisure Products
26	Textiles, Apparel and Luxury Goods
27	Hotels, Restaurants and Leisure
28	Diversified Consumer Services
29	Media
30	Distributors
31	Internet and Catalog Retail
32	Multiline Retail
33	Specialty Retail
34	Food and Staples Retailing
35	Beverages
36	Food Products
37	Tobacco
38	Household Products
39	Personal Products
40	Healthcare Equipment and Supplies
41	Healthcare Providers and Services
42	Health Care Technology
43	Biotechnology
44	Pharmaceuticals
45	Life Sciences Tools and Services
46	Banks
47	Thrifts and Mortgage Finance
48	Diversified Financial Services
49	Consumer Finance
50	Capital Markets
51	Insurance
52	Real Estate Investment Trusts (REITs)
53	Real Estate Management and Development
54	Internet Software and Services
55	IT Services
56	Software
57	Communications Equipment
58	Technology Hardware, Storage and Peripherals
59	Electronic Equipment, Instruments and Components
60	Semiconductors and Semiconductor Equipment
61	Diversified Telecommunication Services
62	Wireless Telecommunication Services
63	Electric Utilities
64	Gas Utilities

simpleIndustryId	simpleIndustry
65	Multi-Utilities
66	Water Utilities
67	Independent Power and Renewable Electricity Producers

ciqExchange Table

The **ciqExchange** table provides reference data for world exchanges.

ciqExchange	
PK	**exchangeId**
	exchangeName exchangeSymbol importanceLevel currencyId countryId

file: Exchange.txt

Below you will find a description for each column in the **ciqExchange** table.

Table 12. ciqExchange fields

Data Item	Data Type	Description
exchangeId	int	Unique identifier for an exchange
exchangeName	varchar	Textual description of the exchange
exchangeSymbol	varchar	The abbreviation for the exchange (e.g., NYSE, NASDAQ, AMEX)
importanceLevel	int	A ranking of the exchanges
currencyId	smallint	Identifies the currency the exchange trades in. Map to the Currency table for currency description.
countryId	int	Identifies the country the exchange is located in. Map to the Country table for country description.

ciqCurrency Table

The **ciqCurrency** table provides unique identifiers and other descriptors for world currencies.

ciqCurrency	
PK	**currencyId**
	currencyName countryId majorCurrencyFlag ISOCode

file: Currency.txt

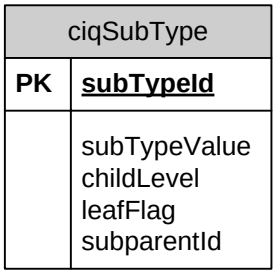
Below you will find a description for each column in the **ciqCurrency** table.

Table 13. ciqCurrency fields

Data Item	Data Type	Description
currencyId	smallint	Unique identifier for a currency
currencyName	varchar	Textual description of the currency
countryId	int	Identifies the country that uses this currency. Maps to the ciqcountry table for country description.
majorCurrencyFlag	bit	This flag = 1 if the currency is one of the major world currencies
ISOCode	varchar	This is the 3-digit alpha ISO currency code

ciqSubType Table

The **ciqSubType** table is a reference table containing descriptors for industries, geographies and other company characteristics. Many different packages link to the **SubType** table.



file: SubType.txt

Below you will find a description for each column in the **ciqSubType** table.

Table 14. ciqSubType fields

Data Item	Data Type	Description
subTypeId	int	This is the primary identifier for the industries, geographies and other types of characteristics.
subTypeValue	varchar	The text of the subTypeId (industry name, geography name, etc.)
childLevel	smallint	The level down the tree of this given node (1=Root nodes)
leafFlag	bit	This column identifies whether a node has any children.
subparentId	int	The subTypeId of this node's parent

ciqSymbolType Table

The **ciqSymbolType** reference table provides details for the Symbol/Helper files. This table indicates what the *objectId* field in the **ciqSymbol** table represents, depending on what *symbolTypeId* you use (e.g., some *symbolTypeIds* link to a *companyId*, some link to a *tradingItemId*, some link to a *securityId*). Link to the **Object Type** table for a description of each *objectTypeId*.

ciqSymbolType	
PK	**symbolTypeId**
	symbolTypeName objectTypeId

file: SymbolType.txt

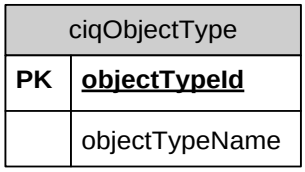
Below you will find a description for each column in the **ciqSymbolType** table.

Table 15. ciqSymbolType fields

Data Item	Data Type	Description
symbolTypeId	int	Unique identifier for each symbol type (from symbol/helper files)
symbolTypeName	varchar	Descriptive name for the *symbolTypeId*
objectTypeId	tinyint	*ObjectTypeId* identifies the type of object, as described in the ObjectType table, for example, Company, Security, TradingItem or Transaction.

ciqObjectType Table

The **ciqObjectType** reference table contains descriptions for *objectTypeIds*, for example a company, a person, a security, a trading item, a transaction, a relationship, or a portfolio.



file: ObjectType.txt

Below you will find a description for each column in the **ciqObjectType** table.

Table 16. ciqObjectType fields

Data Item	Data Type	Description
objectTypeId	tinyint	Unique identifier for object type
objectTypeName	varchar	Descriptive name for objectTypeId (Company, Security, TradingItem or Transaction)

The table below provides an example of the reference data in the **ciqObjectType table**.

Table 17. ciqObjectType reference data

objectTypeId	objectTypeName
2	Company
3	Person
7	Professional
14	TransactionId
21	Security
22	TradingItem
24	CompanyRel
25	TransactionConsiderationId
26	TransactionConsiderationDetailId
33	Portfolio

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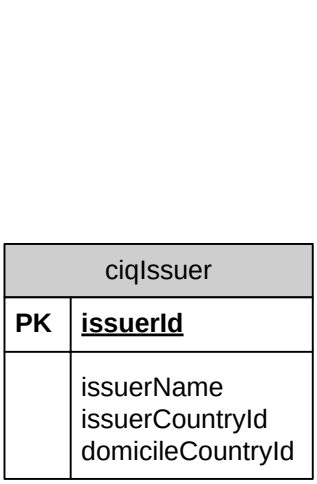
Issuer Foundation Plus File

Overview

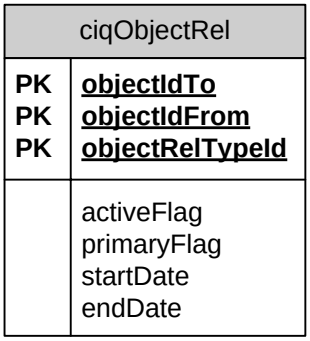
The S&P Capital IQ Issuer Foundation Plus file provides issuer to-entity relationships. It contains the *issuerId* (S&P Capital IQ's unique issuer identifier), the issuer name and the country of headquarters. The Issuer Foundation Plus file is necessary when you subscribe to the Business Entity Cross Reference Service CC6 identifier package.

Issuer Foundation Plus File Schema

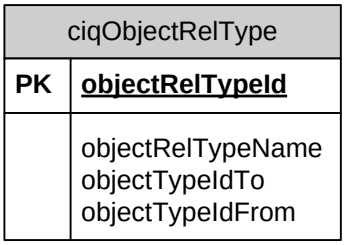
The Issuer Foundation Plus file schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



file: Issuer.txt



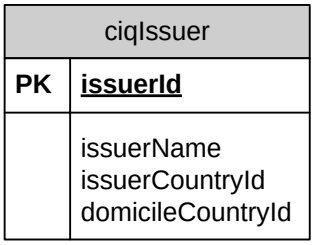
file: IssuerRel.txt



file: ObjectRelType.txt

ciqIssuer Table

The **ciqIssuer** table provides the base lookup information for all issuers. This file contains the *issuerId* and the latest issuer lookup information.



file: Issuer.txt

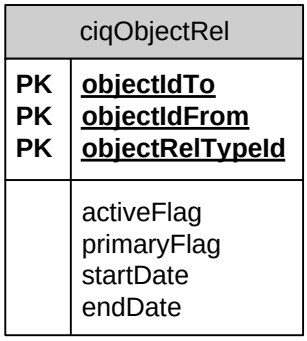
Below you will find a description for each column in the **ciqIssuer** table.

Table 18. ciqIssuer fields

Data Item	Data Type	Description
issuerId	int	Unique identifier for Issuer
issuerName	varchar	Current legal name for the Issuer
issuerCountryId	int	Incorporation country for the Issuer
domicileCountryId	int	Country domicile for the Issuer. This field is currently NULL.

ciqObjectRel Table

The **ciqObjectRel** reference table provides issuer to entity relationships.



file: IssuerRel.txt

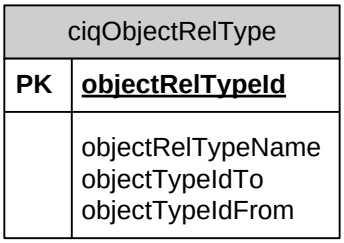
Below you will find a description for each column in the **ciqObjectRel** table.

Table 19. ciqObjectType fields

Data Item	Data Type	Description
objectIdTo	int	Entity ID of the entity involved in the relationship
objectIdFrom	int	Issuer id
objectRelTypeId	smallint	Defines the relationship of the issuer to entity.
activeFlag	bit	1 indicates if the relationship is active
primaryFlag	bit	Depending on the relationship type, primary will be flagged
startDate	datetime	Effective date of the relationship
endDate	datetime	Ending date of the relationship

ciqObjectRelType Table

The **ciqObjectRelType** reference table provides reference data that describes the issuer to entity relationship.



file: ObjectType.txt

Below you will find a description for each column in the **ciqObjectRelType** table.

Table 20. ciqObjectRelType fields

Data Item	Data Type	Description
objectRelTypeID	smalliint	Defined the relationship of the issuer to entity
objectRelTypeName	varchar	Reference Description
objectTypeIdTo	smallint	Describes the type of object (issuer, company)
objectTypeIdFrom	smallint	Describes the type of object (issuer, company)

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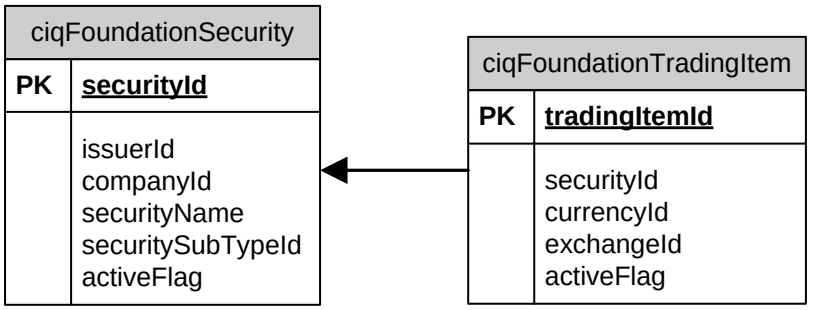
Security Foundation File

Overview

The Security Foundation file provides a base for linking all Xpressfeed security data to company level data and other Xpressfeed data sets. The S&P Capital IQ Security Foundation file contains the *securityId* (S&P Capital IQ's unique security identifier), the *tradingItemId* (S&P Capital IQ's unique trading item identifier The Security Foundation file allows you to link company, security and trading item objects to each other and to other Xpressfeed datasets using S&P Capital IQ identifiers.

Security Foundation File Schema

The Foundation Security file schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



file: FoundationSecurity.txt

file: FoundationTradingItem.txt

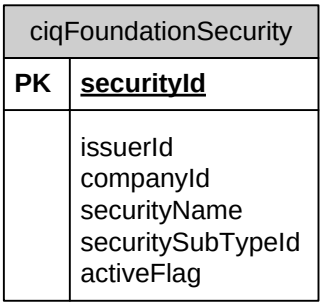
Tables/Files

Following is a detailed description of each table and field in the Security Foundation Package.

The visual representation of the files and the tables below the graphic show primary keys first. To determine the actual field ordering as well as field character length, please refer to the *EDX File Format Spreadsheets* on the Xpressfeed support site.

ciqFoundationSecurity Table

The **ciqFoundationSecurity** table provides the base lookup information for all securities. This file contains the *securityId* and the latest security lookup information.



file: FoundationSecurity.txt

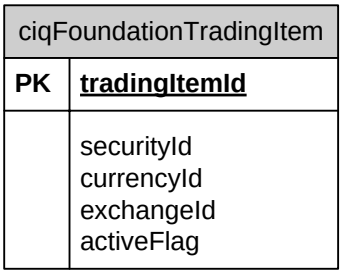
Below you will find a description for each column in the **ciqFoundationSecurity** table.

Table 21. ciqFoundationSecurity fields

Data Item	Data Type	Description
securityId	int	Unique identifier created by S&P Capital IQ to identify a security.
issuerId	int	Unique identifier created by S&P Capital IQ to identify an issuer. This is currently not provided in the file and will be Null.
companyId	int	Unique identifier created by S&P Capital IQ to identify an entity.
securityName	varchar	Name/type of security (e.g., common, preferred, etc.)
securitySubTypeId	smallInt	Security asset type. Null values signify “other.”
activeFlag	bit	Flag indicating whether a security is active or inactive. 1=active, 0=inactive.
primaryFlag	bit	Primary Flag indicates primary link for entities with multiple securities assigned. This is currently not provided in the file and will be Null. This data will be provided in a future release.

ciqFoundationTradingItem Table

The **ciqFoundationTradingItem** table provides the base lookup information for all trading items. This file contains the *tradingItemId* and the latest trading item lookup information.



file: FoundationTradingItem.txt

Below you will find a description for each column in the **ciqFoundationTradingItem** table.

Table 22. ciqFoundationTradingItem fields

Data Item	Data Type	Description
tradingItemId	int	Unique identifier created by S&P Capital IQ to identify a trading item.
securityId	Int	Unique identifier created by S&P Capital IQ to identify a security.
currencyId	int	S&P Capital IQ's unique identifier for a currency. This reflects the currency of the par value of the trading item.
exchangeId	int	S&P Capital IQ's unique identifier for an exchange.
activeFlag	bit	Flag indicating whether a tradingitem is active. Inactive means that the tradingitem has been delisted.

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Foundation Reference Files

Overview

The Foundation Reference Files deliver all supporting and ISO reference data used throughout Xpressfeed datasets and products.

Foundation Reference Files Schema

The schema on the following page represents the structure of S&P Capital IQ Foundation Reference Files as delivered via the Xpressfeed Loader. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for non-Loader clients is given beneath each table. The schema lists each field contained within a record. For clients using a custom loading process, you may find the diagram helpful in identifying primary keys and in applying Change File updates.

refCompanyType	
PK	**companyTypeId**
	companyTypeName

file: companyType.txt

refCompanyStatusType	
PK	**companyStatusTypeId**
	companyStatusTypeName

file: companyStatusType

refState	
PK	**stateId**
	state countryId abbreviation

file: state.txt

refCountryGeo	
PK	**countryId**
	country isoCountry2 isoCountry3 regionId region

file: countryGeo.txt

refSimpleIndustry	
PK	**simpleIndustryId**
	simpleIndustry

file: simpleIndustry.txt

refReportingTemplateType	
PK	**templateTypeId**
	templateTypeName description

file: reportingTemplateType.txt

refExchange	
PK	**exchangeId**
	exchangeName CIQexchangeCode operatingMIC segmentMIC publishedMIC currencyId countryId

file: exchange.txt

refCurrency	
PK	**currencyId**
	currencyName countryId majorCurrencyFlag ISOCode

file: currency.txt

refSubType	
PK	**subTypeId**
	subTypeValue childLevel leafFlag subparentId

file: subType.txt

refSymbolType	
PK	**symbolTypeId**
	symbolTypeName objectTypeId

file: symbolType.txt

refObjectType	
PK	**objectTypeId**
	objectTypeName

file: objectType.txt

refSecurityType	
PK	**securityTypeId**
	securityTypeName securityGroupId

file: securityType.txt

refSecuritySubType	
PK	**securitySubTypeId**
	securitysubTypeName securityTypeId

file: securitySubType.txt

refSecurityGroup	
PK	**securityGroupId**
	securityGroupName

file:securityGroup.txt

refCFICodeType	
PK	**CFICode**
	cfiDescription

file: CFICodeType.txt

refUSCFICodeType	
PK	**usCFICode**
	cfiDescription

file: USCFICodeType.txt

refCompanyType Table

The **refCompanyType** reference table defines the different entity types of a company. Use this table to retrieve a description for the *companyTypeId* or to filter on a type of organizational entity.

refCompanyType	
PK	**companyTypeId**
	companyTypeName

file: CompanyType.txt

Below you will find a description for each column in the **refCompanyType** table.

Table 23. refCompanyType fields

Data Item	Data Type	Description
companyTypeId	smallint	Unique identifier for each entity type
companyTypeName	varchar	Textual description of the entity type

Below is an example of reference data in the ref**CompanyType** table.

Table 24. refCompanyType reference data

companyTypeId	companyTypeName
1	Public Investment Firm
2	Private Investment Firm
3	Assets/Products
4	Public Company
5	Private Company
6	Corporate Investment Arm
7	Financial Service Investment Arm
8	Index
9	Private Fund
11	Fund Family
12	Currency Rate
13	Public Fund
16	Interest Rate
17	Educational Institution
18	Arts Institution
19	Labor Union
20	Government Institution
21	Religious Institution
22	Trade Association
23	Foundation/Charitable Institution
24	Industry
25	Commodity
26	Rate Group
27	Yield Curve

refCompanyStatusType Table

The **refCompanyStatusType** reference table defines the different status types for an entity. You can use this table to include a description in your query for the *companyStatusTypeId* or to filter on specific status types.

refCompanyStatusType	
PK	**companyStatusTypeId**
	companyStatusTypeName

file: CompanyStatusType.txt

Below you will find a description for each column in the **refCompanyStatusType** table.

Table 25. refCompanyStatusType fields

Data Item	Data Type	Description
companyStatusTypeId	smallint	Unique identifier for each status type
companyStatusTypeName	varchar	Textual description of the status type (e.g., Operating, Reorganizing, Acquired)

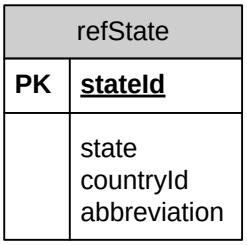
The table below provides an example of the reference data in the **refCompanyStatusType** table.

Table 26. refCompanyStatusType reference data

companyStatusTypeId	companyStatusTypeName
1	Operating
2	Operating Subsidiary
4	Reorganizing
5	Out of Business
6	Acquired
7	No Longer Investing
8	Launched
9	First Close
10	Secondary Close
11	Final Close
12	Fully Invested
13	Fully Liquidated
14	Withdrawn
16	Pre-Event Profile
17	Non-Operating Shell Company
18	Inactive Index, Exchange Rate, or Interest Rate
19	Liquidating
20	Active

refState Table

The **refState** reference table provides unique state identifiers.



file: State.txt

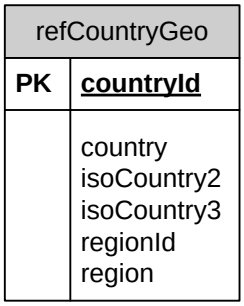
Below you will find a description for each column in the **refState** table.

Table 27. refState fields

Data Item	Data Type	Description
stateId	int	Unique identifier for the state
state	varchar	Textual description of the state
countryId	int	Unique identifier for the country. Map to the Country table for country description.
abbreviation	varchar	Abbreviation of the state (e.g., NY)

refCountryGeo Table

The **ciqCountryGeo** table provides unique country identifiers, region information and ISO country codes.



file: CountryGeo.txt

Below you will find a description for each column in the **refCountryGeo** table.

Table 28. refCountryGeo fields

Data Item	Data Type	Description
countryId	int	Unique identifier for the country
country	varchar	Textual description for the country
ISOCountry2	varchar	ISO alpha-2 country code
ISOCountry3	varchar	ISO alpha-3 country code
regionId	int	Unique identifier for the region
region	varchar	Textual description for the region

refSimpleIndustry Table

The **refSimpleIndustry** reference table provides unique identifiers and other descriptors for industries.

refSimpleIndustry	
PK	**simpleIndustryId**
	simpleIndustry

file: SimpleIndustry.txt

Below you will find a description for each column in the **refSimpleIndustry** table.

Table 29. refSimpleIndustry fields

Data Item	Data Type	Description
simpleIndustryId	tinyint	Unique identifier for the industry
simpleIndustry	varchar	Descriptive name for the industry

The table below provides an example of the reference data in the **refSimpleIndustry** table.

Table 30. refSimpleIndustry reference data

simpleIndustryId	simpleIndustry
1	Energy Equipment and Services
2	Oil, Gas and Consumable Fuels
3	Chemicals
4	Construction Materials
5	Containers and Packaging
6	Metals and Mining
7	Paper and Forest Products
8	Aerospace and Defense
9	Building Products
10	Construction and Engineering
11	Electrical Equipment
12	Industrial Conglomerates
13	Machinery
14	Trading Companies and Distributors
15	Commercial Services and Supplies
16	Professional Services
17	Air Freight and Logistics
18	Airlines
19	Marine
20	Road and Rail
21	Transportation Infrastructure
22	Auto Components

simpleIndustryId	simpleIndustry
23	Automobiles
24	Household Durables
25	Leisure Products
26	Textiles, Apparel and Luxury Goods
27	Hotels, Restaurants and Leisure
28	Diversified Consumer Services
29	Media
30	Distributors
31	Internet and Catalog Retail
32	Multiline Retail
33	Specialty Retail
34	Food and Staples Retailing
35	Beverages
36	Food Products
37	Tobacco
38	Household Products
39	Personal Products
40	Healthcare Equipment and Supplies
41	Healthcare Providers and Services
42	Health Care Technology
43	Biotechnology
44	Pharmaceuticals
45	Life Sciences Tools and Services
46	Banks
47	Thrifts and Mortgage Finance
48	Diversified Financial Services
49	Consumer Finance
50	Capital Markets
51	Insurance
52	Real Estate Investment Trusts (REITs)
53	Real Estate Management and Development
54	Internet Software and Services
55	IT Services
56	Software
57	Communications Equipment
58	Technology Hardware, Storage and Peripherals
59	Electronic Equipment, Instruments and Components
60	Semiconductors and Semiconductor Equipment
61	Diversified Telecommunication Services
62	Wireless Telecommunication Services
63	Electric Utilities
64	Gas Utilities

simpleIndustryId	simpleIndustry
65	Multi-Utilities
66	Water Utilities
67	Independent Power and Renewable Electricity Producers

refReportingTemplateType Table

The **refReportingTemplateType** reference table provides a description for the type of template in which the company's financials are presented. The default template is Standard (Industrial).

refReportingTemplateType	
PK	**templateTypeId**
	templateTypeName description

file: ReportingTemplateType.txt

Below you will find a description for each column in the **refReportingTemplateType** table.

Table 31. refReportingTemplateType table

Data Item	Data Type	Description
templateTypeId	tinyint	Unique identifier for the template type
templateTypeName	varchar	Textual description of the template type (e.g., Financial Services, REIT, Utility)
description	varchar	Detailed description of the template type

The table below provides an example of the reference data in the **refReportingTemplateType** Table.

Table 32. refReportingTemplateType reference data

TemplateTypeId	TemplateTypeName
1	Standard
2	Banks
3	Insurance
4	Utility
5	Real Estate
7	Financial Services
8	Capital Markets
9	FDIC
14	General
15	Bank
16	Brokerage
17	Casualty Insurance
18	Life Insurance
19	REIT

refExchange Table

The **refExchange** table provides reference data for world exchanges.

refExchange	
PK	**exchangeId**
	exchangeName exchangeSymbol operatingMIC segmentMIC publishedMIC currencyId countryId

file: Exchange.txt

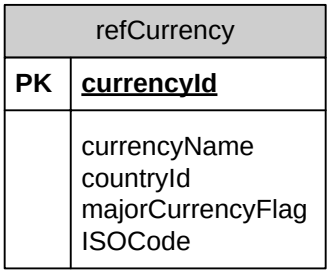
Below you will find a description for each column in the **refExchange** table.

Table 33. refExchange fields

Data Item	Data Type	Description
exchangeId	int	S&P Capital IQ's unique identifier for an exchange.
exchangeName	varchar	Textual description of the exchange.
exchangeSymbol	varchar	The abbreviation for the exchange (e.g., XNDQ - Nasdaq Options Market, XNIM - Nasdaq Intermarket, XPBT - Nasdaq OMX Futures Exchange).
operatingMIC	varchar	Identifies the entity operating an exchange, trading platform, regulated or non-regulated market or a trade reporting facility in a specific country.
segmentMIC	varchar	Identifies a section of one an entity that specializes in one or more specific instruments or that is regulated differently. Each segment MIC has a parent MIC which is called the "operating MIC."
publishedMIC	varchar	The MIC that is published on the second Monday of the month (or the following business day if it falls on a public holiday in the country of the ISO 0383 Registration Authority (RA)). Modifications become effective on the fourth Monday of the month.
currencyId	smallint	Identifies the currency the exchange trades in. Maps to the refCurrency table for currency description.
countryId	int	Identifies the country the exchange is located in. Maps to the refCountryGeo table for country description.

refCurrency Table

The **refCurrency** table provides unique identifiers and other descriptors for world currencies.



file: Currency.txt

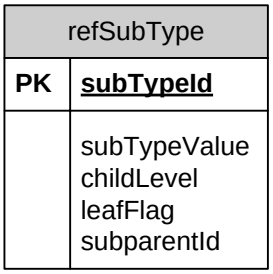
Below you will find a description for each column in the **refCurrency** table.

Table 34. refCurrency fields

Data Item	Data Type	Description
currencyId	smallint	Unique identifier for a currency
currencyName	varchar	Textual description of the currency
countryId	int	Identifies the country that uses this currency. Maps to the ciqcountry table for country description.
majorCurrencyFlag	bit	This flag = 1 if the currency is one of the major world currencies
ISOCode	varchar	This is the 3-digit alpha ISO currency code

refSubType Table

The **refSubType** table is a reference table containing descriptors for industries, geographies and other company characteristics. Many different packages link to the **refSubType** table.



file: SubType.txt

Below you will find a description for each column in the **refSubType** table.

Table 35. refSubType fields

Data Item	Data Type	Description
subTypeId	int	This is the primary identifier for the industries, geographies and other types of characteristics.
subTypeValue	varchar	The text of the subTypeId (industry name, geography name, etc.)
childLevel	smallint	The level down the tree of this given node (1=Root nodes)
leafFlag	bit	This column identifies whether a node has any children.
subparentId	int	The subTypeId of this node's parent

refSymbolType Table

The **refSymbolType** reference table provides details for the Symbol/Helper files. This table indicates what the *objectId* field in the **refSymbol** table represents, depending on what *symbolTypeId* you use (e.g., some *symbolTypeIds* link to a *companyId*, some link to a *tradingItemId*, some link to a *securityId*). Link to the **Object Type** table for a description of each *objectTypeId*.

refSymbolType	
PK	**symbolTypeId**
	symbolTypeName objectTypeId

file: SymbolType.txt

Below you will find a description for each column in the **refSymbolType** table.

Table 36. refSymbolType fields

Data Item	Data Type	Description
symbolTypeId	int	Unique identifier for each symbol type (from symbol/helper files)
symbolTypeName	varchar	Descriptive name for the *symbolTypeId*
objectTypeId	tinyint	*ObjectTypeId* identifies the type of object, as described in the ObjectType table, for example, Company, Security, TradingItem or Transaction.

refObjectType Table

The **refObjectType** reference table contains descriptions for *objectTypeIds*, for example a company, a person, a security, a trading item, a transaction, a relationship, or a portfolio.

refObjectType	
PK	**objectTypeId**
	objectTypeName

file: ObjectType.txt

Below you will find a description for each column in the **refObjectType** table.

Table 37. refObjectType fields

Data Item	Data Type	Description
objectTypeId	tinyint	Unique identifier for object type
objectTypeName	varchar	Descriptive name for objectTypeId (Company, Security, TradingItem or Transaction)

The table below provides an example of the reference data in the **refObjectType table**.

Table 38. refObjectType reference data

objectTypeId	objectTypeName
2	Company
3	Person
7	Professional
14	TransactionId
21	Security
22	TradingItem
24	CompanyRel
25	TransactionConsiderationId
26	TransactionConsiderationDetailId
33	Portfolio

refSecurityType Table

The **refSecurityType** reference table provides identifiers and descriptions for the intermediate security classification level.

refSecurityType	
PK	**securityTypeId**
	securityTypeName securityGroupId

file: SecurityType.txt

Below you will find a description for each column in the **refSecurityType** table.

Table 39. refSecurityType table

Data Item	Data Type	Description
securityTypeId	tinyint	Unique identifier for each security type
securityTypeName	varchar	Security Type description (e.g., Common Equity, Preferred Equity, Corporate Debt)
securityGroupId	tinyint	Identifies the high-level classification of the security

refSecuritySubType Table

The **ciqSecuritySubType** Table is a reference table for the **ciqSecuritySubType** table and provides identifiers and descriptions for the detailed security type classification.

refSecuritySubType	
PK	**securitySubTypeId**
	securitysubTypeName securityTypeId

file: SecuritySubType.txt

Below you will find a description for each column in the **refSecuritySubType** table.

Table 40. refSecuritySubType table

Data Item	Data Type	Definition
securitySubTypeId	smallint	Unique identifier for each security subtype
securitySubTypeName	varchar	Textual description for each *securitySubTypeId* (Common Stock, Preferred Stock, Commercial Paper, etc.)
securityTypeId	tinyint	Identifies the intermediate security type classification of the security

S&P Capital IQ flags a company as a Private Company with Public Debt if they have issued one of the following security sub-types AND the security is active:

- **Commercial Paper (securitySubTypeId=5)** - an unsecured promissory note with a fixed maturity of typically no more than 270 days.
- **Credit Facilities (securitySubTypeId=19)** - a type of loan made in a business or corporate finance context. Specific types of credit facilities are: revolving credit, term loans, committed facilities and letters of credits. There are no active securities with a Credit Facilities security sub type.
- **Preferred Security (securitySubTypeId=25)** - synonymous with preferred stocks. Preferred securities share many characteristics of both a stock and a bond. Like bonds, they have a relatively high fixed-rate payment. Like common stock, they are generally listed on a stock exchange. A preferred stock is an equity that may or may not have a maturity. A preferred can either pay a dividend or interest, usually quarterly or semi-annually, and it represents a non-voting ownership in a company. These securities are called “preferred” because preferred shareholders have superior rights to assets and cash flows of a company versus common shareholders in the event of a bankruptcy or liquidation, however, bondholders’ claims are senior to those of preferred shareholders.
- **Corporate Bond/Note (securitySubTypeId=26)** - a debt security issued by a corporation and sold to investors. The backing for the bond is usually the payment ability of the company, which is typically money to be earned by future operations.
- **Annuities (securitySubTypeId=51)** - financial products sold by financial institutions that are designed to accept and grow funds from an individual and then pay out a stream of payments to the individual at a later point in time. There are no active securities with an Annuities security sub type.
- **Acquisition Loan (securitySubTypeId=73)** - a loan given to a company to purchase a specific asset or to be used for purposes that are laid out before the loan is granted. The acquisition loan is typically only able to be used for a short window of time, and only for specific purposes. Once repaid, funds available through the loan cannot be re-borrowed as with a revolving line of credit at a bank.
- **Bridge Loan (securitySubTypeId=74)** - a short term loan that is used until the company secures permanent financing or removes an existing obligation. This type of financing allows the borrower to meet current obligations by providing immediate cash flow. Bridge loans are short-term (typically up to one year) with relatively high interest rates and are backed by some form of collateral such as real estate or inventory.

refSecurityGroup Table

The **refSecurityGroup** reference table provides identifiers and descriptions for the highest level of classification for securities.

refSecurityGroup	
PK	**securityGroupId**
	securityGroupName

file: SecurityGroup.txt

Below you will find a description for each column in the **refSecurityGroup** table.

Table 41. refSecurityGroup table

Data Item	Data Type	Definition
securityGroupId	tinyint	Unique identifier for each security group
securityGroupName	varchar	Security Group description (e.g., Equity, Fixed Income)

The table below provides an example of the reference data in the **ciqSecurityGroup** table.

Table 42. refSecurityGroup reference data

securityGroupId	securityGroupName
1	Units
2	Derivatives
3	Equity
4	Fixed Income
5	Non-Security Reference Data
6	Special Rates

refCFICodeType Table

The **refCFICodeType** reference table provides CFI Codes and descriptions.

refCFICodeType	
PK	**CFICode**
	cfiDescription

file: CFICodeType.txt

Below you will find a description for each column in the **refCFICodeType** table.

Table 43. refCFICodeType table

Data Item	Data Type	Definition
CFICode	varchar	A **CFI code** (Classification of Financial Instruments code) is an ISO standard code that classifies a security. CFI codes consist of six letters. The first letter indicates the type of instrument, the second a finer sub-classification, and the remaining letters show various attributes of the security. For example, the CFI code ESVUFA indicates: • E: equity • S: ordinary share • V: voting • U: no-restrictions • F: fully paid • A: registered
cifDescription	varchar	Complete description of CFI Codes (see the example reference data below).

The table below provides an example of the reference data in the **refCFIcode** table.

Table 44. refCFICodeType sample reference data

cifCode	cfiDescription
DBFGAA	Debt Instruments, Bonds, Fixed rate, Guaranteed, Amortization plan, Registered depository receipt
ECETXA	Equities, Convertible shares, Enhanced voting, Restrictions, Not available / unknown, Registered depository receipt
OPEWPN	Options, Put options, European, Swaps, Physical, Non-standardized
RPFXXN	Entitlements (Rights), Purchase rights, Preferred convertible shares, Not available / unknown, Not available / unknown, Bearer/Registered

refUSCFICodeType Table

The **refUSCFICodeType** reference table provides US CFI Codes and descriptions.

refUSCFICodeType	
PK	**usCFICode**
	cfiDescription

file: USCFICodeType.txt

Below you will find a description for each column in the **refUSCFICodeType** table.

Table 45. refUSCFICodeType table

Data Item	Data Type	Definition
usCFICode	varchar	Classification of Financial Instruments (CFI) codes to group instruments with similar features; for example, the CFI codes for equities include instrument groups such as shares, preferred stock, mutual funds and UITs, and instrument attributes such as voting rights and ownership.
cfiDescription	varchar	Complete description of CFI Codes

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Additional Base Files

Overview

The following chapters provide a list of fields, field descriptions, format, positions and definitions for the Additional Base Files:

- Company File
- Exchange Rates File
- Security & Equity Security Files
- Data Item Master File
- Symbol/Helper Files

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Company File

Overview

The S&P Capital IQ Company File is the foundation for all S&P Capital IQ data sets. The Company file contains the company name, the *companyId* (S&P Capital IQ's unique company identifier), primary ticker symbol, primary exchange, primary address information, company type, primary industry, company status and year founded. The *companyId* is used throughout the other files to associate companies to other items of S&P Capital IQ content.

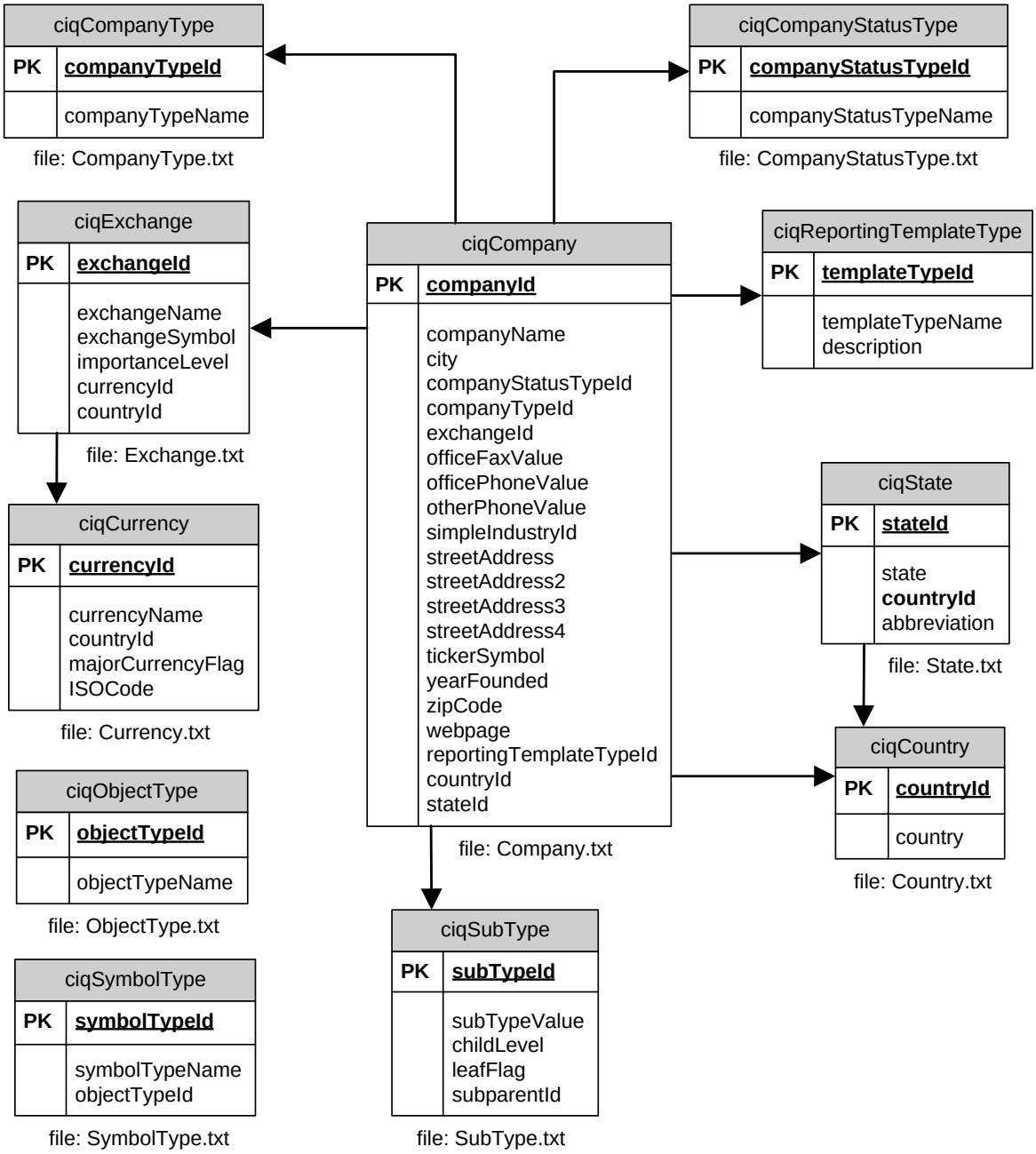
Company data uniquely identifies and defines companies, establishing them in your database.

The Company File is necessary when you want to:

- display company-specific information in your queries
- provide descriptive information about a company in your queries
- filter your data based on a company

Company File Schema

The Company file schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients. The primary data table is the **ciqCompany** table while all other tables contain supporting referential data.



Note:

The *simpleIndustryId* data item (in the **ciqCompany** table) links to the *subtypeid* primary key (in the **ciqSubtype** table).

The *reportingTemplateTypeId* data item (in the **ciqCompany** table) links to the *templateTypeId* primary key (in the **ciqReportingTemplateType** table.)

This section contains a description of each table and table field in the Company File schema.

ciqCompany Table

The **ciqCompany** table contains basic information for a company. It contains the unique S&P Capital IQ company identifier (*companyId*), which is used to tie in all other S&P Capital IQ data files, and the company name, status, type, primary address and other related company details.

ciqCompany	
PK	**companyId**
	companyName city companyStatusTypeId companyTypeId exchangeId officeFaxValue officePhoneValue otherPhoneValue simpleIndustryId streetAddress streetAddress2 streetAddress3 streetAddress4 tickerSymbol yearFounded zipCode webpage reportingTemplateTypeId countryId stateId

file: Company.txt

Below you will find a description for each column in the **ciqCompany** table.

Table 46. ciqCompany table

Data Item	Data Type	Description
companyId	int	The unique entity identifier created by S&P Capital IQ
companyName	varchar	The name of the Company
city	varchar	The city of the headquarters
companyStatusTypeId	smallint	An identifier that provides the status of the company (e.g., Operating, Bankrupt, Acquired)
companyTypeId	smallint	An identifier that denotes the type of the given company (e.g., Public, Private, Investment Firm, Foundation)
exchangeId	int	If the company is public, this is the primary exchange on which it trades
officeFaxValue	varchar	Fax number of the headquarters

Data Item	Data Type	Description
officePhoneValue	varchar	Main phone number of the headquarters
otherPhoneValue	varchar	Alternate phone number of the headquarters
simpleIndustryId	int	Primary industry of the company. This corresponds to a third level node on S&P Capital IQ's industry coding system. This links to the s*ubTypeId* within the **SubType** table.
streetAddress	varchar	First line of the street address for the headquarters
streetAddress2	varchar	Second line of the street address for the headquarters
streetAddress3	varchar	Third line of the street address for the headquarters
streetAddress4	varchar	Fourth line of the street address for the headquarters
tickerSymbol	varchar	Ticker symbol for the company
yearFounded	int	Year the firm was founded
zipCode	varchar	Zip code of the headquarters
webpage	varchar	Web address for the company
reportingTemplateTypeId	tinyint	Unique identifier for the template type. Defines the template in which a company's financials were collected (e.g. Bank, Industrial, Insurance, Utility). Links to the ciqReportingTemplateType Table for reference data.
countryId	int	Country identifier for the headquarters
stateId	int	State identifier for the headquarters

ciqCompanyStatusType Table

The **ciqCompanyStatusType** reference table defines the different status types for an entity. You can use this table to include a description in your query for the *companyStatusTypeId* or to filter on specific status types.

ciqCompanyStatusType	
PK	**companyStatusTypeId**
	companyStatusTypeName

file: CompanyStatusType.txt

Below you will find a description for each column in the **ciqCompanyStatusType** table.

Table 47. ciqCompanyStatusType table

Data Item	Data Type	Description
companyStatusTypeId	smallint	Unique identifier for each status type
companyStatusTypeName	varchar	Textual description of the status type (e.g., Operating, Reorganizing, Acquired)

The table below provides an example of the reference data in the **ciqCompanyStatusType** table.

Table 48. ciqCompanyStatusType reference data

companyStatusTypeId	companyStatusTypeName
1	Operating
2	Operating Subsidiary
4	Reorganizing
5	Out of Business
6	Acquired
7	No Longer Investing
8	Launched
9	First Close
10	Secondary Close
11	Final Close
12	Fully Invested
13	Fully Liquidated
14	Withdrawn
16	Pre-Event Profile
17	Non-Operating Shell Company
18	Inactive Index, Exchange Rate, or Interest Rate
19	Liquidating
20	Active

ciqCompanyType Table

The **ciqCompanyType** reference table defines the different entity types of a company. Use this table to retrieve a description for the *companyTypeId* or to filter on a type of organization.

ciqCompanyType	
PK	**companyTypeId**
	companyTypeName

file: CompanyType.txt

Below you will find a description for each column in the **ciqCompanyType** table.

Table 49. ciqCompanyType table

Data Item	Data Type	Description
companyTypeId	smallint	Unique identifier for each entity type
companyTypeName	varchar	Textual description of the entity type (e.g., Public Company, Private Company, Index, Educational Institution)

The table below provides an example of the reference data in the **ciqCompanyType** table.

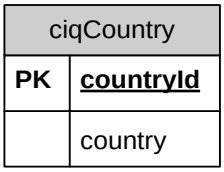
Table 50. ciqCompanyType reference data

companyTypeId	companyTypeName
1	Public Investment Firm
2	Private Investment Firm
3	Assets/Products
4	Public Company
5	Private Company
6	Corporate Investment Arm
7	Financial Service Investment Arm
8	Index
9	Private Fund
11	Fund Family
12	Currency Rate
13	Public Fund
16	Interest Rate
17	Educational Institution
18	Arts Institution
19	Labor Union
20	Government Institution
21	Religious Institution

companyTypeId	companyTypeName
22	Trade Association
23	Foundation/Charitable Institution
24	Industry
25	Commodity
26	Rate Group
27	Yield Curve

ciqCountry Table

The **ciqCountry** table provides unique country identifiers.



file: Country.txt

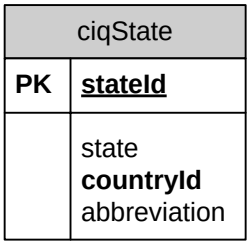
Below you will find a description for each column in the **Country** table.

Table 51. ciqCountry table

Data Item	Data Type	Description
countryId	int	Unique identifier for the country
country	varchar	Textual description for the country

ciqState Table

The **ciqState** reference table provides unique state identifiers.



file: State.txt

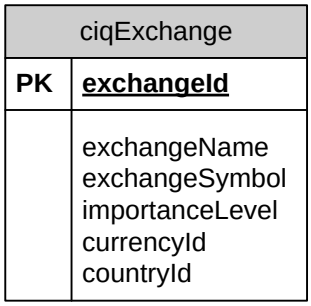
Below you will find a description for each column in the **ciqState** table.

Table 52. ciqState table

Data Item	Data Type	Description
stateId	int	Unique identifier for the state
state	varchar	Textual description of the state
countryId	int	Unique identifier for the country. Map to the Country table for country description.
abbreviation	varchar	Abbreviation of the state (e.g., NY)

ciqExchange Table

The **ciqExchange** table provides reference data for world exchanges.



file: Exchange.txt

Below you will find a description for each column in the **ciqExchange** table.

Table 53. ciqExchange table

Data Item	Data Type	Description
exchangeId	int	Unique identifier for an exchange
exchangeName	varchar	Textual description of the exchange
exchangeSymbol	varchar	The abbreviation for the exchange (e.g., NYSE, NASDAQ, AMEX)
importanceLevel	int	A ranking of the exchanges
currencyId	smallint	Identifies the currency the exchange trades in. Map to the Currency table for currency description.
countryId	int	Identifies the country the exchange is located in. Map to the Country table for country description.

ciqCurrency Table

The **ciqCurrency** table provides unique identifiers and other descriptors for world currencies.

ciqCurrency	
PK	**currencyId**
	currencyName countryId majorCurrencyFlag ISOCode

file: Currency.txt

Below you will find a description for each column in the **ciqCurrency** table.

Table 54. ciqCurrency table

Data Item	Data Type	Description
currencyId	smallint	Unique identifier for a currency
currencyName	varchar	Textual description of the currency
countryId	int	Identifies the country that uses this currency. Maps to the ciqcountry table for country description.
majorCurrencyFlag	bit	This flag = 1 if the currency is one of the major world currencies
ISOCode	varchar	This is the 3-digit alpha ISO currency code

ciqReportingTemplateType Table

The **ciqReportingTemplateType** reference table provides a description for the type of template in which the company's financials are presented. The default template is Standard (Industrial).

ciqReportingTemplateType	
PK	**templateTypeId**
	templateTypeName description

file: ReportingTemplateType.txt

Below you will find a description for each column in the **ciqReportingTemplateType** table.

Table 55. ciqReportingTemplateType table

Data Item	Data Type	Description
templateTypeId	tinyint	Unique identifier for the template type. Defines the template in which a company's financials were collected (e.g. Bank, Industrial, Insurance, Utility).
templateTypeName	varchar	Textual description of the template type (e.g., Financial Services, REIT, Utility)
description	varchar	Detailed description of the template type

The table below provides an example of the reference data in the **ciqReportingTemplateType** Table.

Table 56. ciqReportingTemplateType reference data

templateTypeId	templateTypeName	Description
1	Standard	A Manufacturing Company may be engaged in the business of: • Manufacturing • Rendering Services • Retail selling • Wholesale selling All the above categories are integrated in the Standard Template. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Sales • Service revenues • Royalties • Franchise fee • Commissions • Fee In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Cost of sales • Cost of Services • Commission charges
2	Banks	A Bank is a registered holding Company under the Banking Act (U.S.A.) whose primary business is to take deposits from public and lend it to others and performs consumer and commercial services. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Interest Income on loans/ deposits • Dividend Income • Finance Charges In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Interest Expense • Provision for loan losses • Service Charges on Deposits • Credit Card Fee In the liabilities of the Balance Sheet, the companies under this template will have line items such as: • Deposits In the Assets Block of the Balance Sheet, the companies under this template will have line items such as: • Loan receivables • Interest receivables

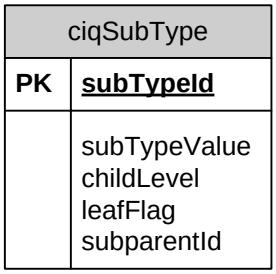
templateTypeId	templateTypeName	Description
3	Insurance	The Insurance companies include life, health, property, casualty, and title insurance companies, as well as reinsurance companies. The companies have its own insurance business. in the Income Block of the Income Statement, the companies under this template will have line items such as: • Premiums • Insurance and Annuity Revenues • Interest/ Investment income In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Policy Benefits • Policy Acquisition/Underwriting Costs and Insurance related Expenses In the Assets section of the Balance Sheet, the companies under this template will have line items such as: • Investment premiums receivable In the Liabilities section of the Balance Sheet, the companies under this template will have line items such as: • Unearned premiums • Policy benefits & insurance • Reinsurance
4	Utility	Utility is a Regulated Industry. Such Companies provide essential services to the customers where rates are regulated by the Government or the Regulated body or authority. Utility companies provide essential services to consumers like gas, water, electricity or a combination of the above and are engaged in the production, processing, storage, transportation etc. Conditions: **5.** Company should be engaged in the business of supply of Electricity, Gas, and Water or combined. **6.** Company should be registered as a Utility under the utility or any other relevant Govt. Act **7.** Pricing of its supplies to customers is regulated by a Regulatory Commission appointed for the purpose in relation to supply of Gas, Electricity and Water. **8.** Balance sheet or notes contain mention of regulatory assets/liabilities (Some companies just call in Balance Sheet as assets/liabilities, the fact that these are regulated is mentioned in notes)

templateTypeId	templateTypeName	Description
5	Real Estate	REITs are companies that own, manage, and develop a number of diversified properties. These companies must follow strict guidelines and in the end remain exempt from corporate taxation. A REIT is essentially a corporation or business trust that combines the capital of many investors to acquire or provide financing for all forms of real estate. A REIT serves much like a mutual fund for real estate in that retail investors obtain the benefit of a diversified portfolio under professional management. Its shares are freely traded, often on a major stock exchange. A Corporation or trust that qualifies as a REIT generally does not pay corporate income tax to the Internal Revenue Service (IRS). This is a unique feature and one of the most attractive aspects of a REIT. Most states honor this federal treatment and do not require REITs to pay state income tax.
7	Financial Services	Financial services companies earn interest and dividend as their main revenues and there should have loan / lease receivables in their balance sheet. In the Income Block of the Income Statement, the companies under this template will have line items such as: • Interest / Dividend income • Finance Charges • Mortgage Banking • Credit Card charges In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Interest Expense • Provision for loan losses In the liabilities section of the Balance Sheet, the companies under this template will have line items such as Deposits. In the Assets Block of the Balance Sheet. The companies under this template will have line items such as: • Loans • loans/lease receivables • Investments

templateTypeId	templateTypeName	Description
8	Capital Markets	Capital Markets should only be engaged in the business of securities/shares brokerage. Their main revenues should be from commissions, fees only and these companies should show securities in their balance sheet (these securities should be for resale only). In the Income Block of the Income Statement, the companies under this template will have line items such as: • Commissions • Principal Transactions • Fees In the Expense Block of the Income Statement, the companies under this template will have line items such as: • Commissions • Transaction expenses • Payments to Clearing houses In the liabilities of the Balance Sheet, the companies under this template will have line items such as Securities held for resale. In the Assets Block of the Balance Sheet, the companies under this template will have line items such as Securities held for resale.

ciqSubType Table

The **ciqSubType** table is a reference table containing descriptors for industries, geographies and other company characteristics. Many different packages link to the **SubType** table.



file: SubType.txt

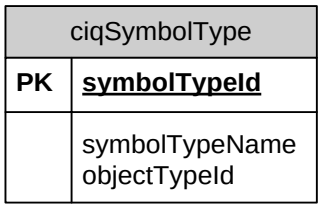
Below you will find a description for each column in the **ciqSubType** table.

Table 57. ciqSubType table

Data Item	Data Type	Description
subTypeId	int	This is the primary identifier for the industries, geographies and other types of characteristics.
subTypeValue	varchar	The text of the subTypeId (industry name, geography name, etc.)
childLevel	smallint	The level down the tree of this given node (1=Root nodes)
leafFlag	bit	This column identifies whether a node has any children.
subparentId	int	The subTypeId of this node's parent

ciqSymbolType Table

The **ciqSymbolType** reference table provides details for the Symbol/Helper files. This table indicates what the *objectId* field in the **ciqSymbol** table represents, depending on what *symbolTypeId* you use (e.g., some *symbolTypeIds* link to a *companyId*, some link to a *tradingItemId*, some link to a *securityId*). For a description of each *objectTypeId*, link to the **Object Type** table.



file: SymbolType.txt

Below you will find a description for each column in the **ciqSymbolType** table.

Table 58. ciqSymbolType table

Data Item	Data Type	Description
symbolTypeId	int	Unique identifier for each symbol type (from symbol/helper files)
symbolTypeName	varchar	Descriptive name for the *symbolTypeId*
objectTypeId	tinyint	*ObjectTypeId* identifies the type of object, as described in the ObjectType table, for example, Company, Security, TradingItem or Transaction.

ciqObjectTypeTable

The **ciqObjectType** reference table contains descriptions for *objectTypeIds*, for example a company, a person, a security, a trading item, a transaction, a relationship, or a portfolio.

ciqObjectType	
PK	**objectTypeId**
	objectTypeName

file: ObjectType.txt

Below you will find a description for each column in the **ciqObjectType** table.

Table 59. ciqObjectType table

Data Item	Data Type	Description
objectTypeId	tinyint	Unique identifier for object type
objectTypeName	varchar	Descriptive name for objectTypeId (Company, Security, TradingItem or Transaction)

The table below provides an example of the reference data in the **ciqObjectType table**.

Table 60. ciqObjectType reference data

objectTypeId	objectTypeName
2	Company
3	Person
7	Professional
14	TransactionId
21	Security
22	TradingItem
24	CompanyRel
25	TransactionConsiderationId
26	TransactionConsiderationDetailId
33	Portfolio

.

Exchange Rates File

Overview

The Exchange Rates File provides the exchange rates for translating currencies, which creates common ground for the analysis of a specific data item over time or the analysis of a ratio that includes multiple items, at a particular historical time.

This file delivers data in the company's reported currency (which frequently means native currency). The Exchange Rate file contains a times series of exchange rates converted into USD (one record per day). Data in the tables is in the reported currency and reflects the rates at the London Stock Exchange at 4:00 p.m. History for exchange rates goes back to 1971.

Schema

The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.

ciqExchangeRate	
PK **PK**	**pricingDate** **currencyId**
	currencyRateClose latestFlag

file: ExchangeRate.txt

The **ciqExchangeRate** table contains the S&P Capital IQ currency identifier (*currencyId*), which is used to tie in other S&P Capital IQ data files related to currency. For example, the *currencyId* can be used to join the **ciqExchangeRate** table to the Premium Financials **ciqFinInstance** table to convert the currency of the fundamental data.

The Exchange Rates file also links a date (*pricingDate*) to any time series financial data, and also links the *CurrencyId* to the **ciqTradingItem** table in the Equity Security and Security files.

In the Consensus Estimates package, you may link the **ciqExchangeRate** table to the **ciqEstimateNumericData** table by the *currencyId.* In addition, the Exchange Rates File links the *currencyId* to the **ciqCurrency** table for descriptive data on the currency.

Table Description

Below is a table that describes data items provided in the **ciqExchange Rate** table.

Table 61. ciqExchangeRate table

Data Item	Data Type	Description
pricingDate	datetime	Allows for a specific rate to be selected. For example, time series data can be adjusted daily, while fundamentals can be converted using the rate on the period end date.
currencyId	smallint	Unique identifier for a currency.
currencyRateClose	decimal	Ratio of the reported currency to USD
latestFlag	bit	Identifies the most current exchange rate available for each currencyId

Translating Currency

The reporting currency of a company can change over time for various reasons. For example, in the early to mid-1990s, Argentina, Brazil and Mexico revalued their currencies to deal with hyperinflation. As a consequence, companies in these countries changed the currency in which they reported. Likewise, European companies in member-states of the European Union (EU) that adopted the Euro have changed their reporting currency to the Euro. Furthermore, there are cases where a company may decide to change its reporting currency, or the security data for one of its publicly traded issues may be in a different currency than the corresponding fundamental data.

The currency translation process involves:

1. **Identifying** the company's reporting currency.
2. **Determining** the appropriate exchange rates.
   The appropriate exchange rate depends upon the kind of data you are translating and the reporting period.
3. **Calculating** the value of the data in USD using the appropriate USD to reported currency exchange rate.
4. **Converting** from the USD value of the data to the target currency value with the appropriate USD to target currency exchange rate.

Identify the Reporting Currency

First, identify the reporting currency for a specific reporting period. The **Reporting Currency** is the currency in which a company reports financial data.

Determine the Appropriate Exchange Rate

The appropriate exchange rate depends upon the kind of data you are translating. After selecting the reporting currency type, you can then choose one of two **Conversion Methods**:

- ***Current conversion rate***
  (most recent foreign exchange spot rate available applied across all historical periods)
- ***Historical conversion rate***
  (historical spot exchange rate on the period end date or any point in time)

When identifying the correct **Conversion Method**, you need to determine the *pricingDate.* The pricing date is typically dictated by the type of data you are analyzing. When using Estimates data, you may wish to use the Current conversion rate since the data is forward projecting. When using Premium Financials data, you may wish to use the Historical conversion rate since you are analyzing past data.

Calculate Value in the Primary Currency

Calculating the value of the data you are working with in the primary currency is the third step to translating the currencies represented in S&P Capital IQ into each other. Primary Currencies can be used also as an intermediate step when translating currencies that cannot be directly translated to each other. S&P Capital IQ currently contains one primary currency, U.S Dollars (USD), which is the only currency represented in S&P Capital IQ that can be directly translated into all other currencies and vice versa.

To translate a data item value in the reporting currency to the value in the primary currency, use this formula:

Value in Reporting Currency **x (1 /** Selected Exchange Rate**) =** Value in Primary Currency

Calculate Value in the Target Currency

The final step to translating currencies is converting the value of the data you are analyzing from the primary currency to your intended target currency.

To convert the value of a data item in the primary currency to the value in your intended target currency, use this formula:

Value in Primary Currency **x** Selected Exchange Rate **=** Value in Target Currency

Scenario: A money manager in Hong Kong wants to convert Volkswagen AG's Sales figure on Period End Date 12/31/07 (Filing Date 2/29/08) from Euros into Pounds Sterling (GBP),

First step:

Convert the sales figure from Euros to, the primary currency.

Euros USD
108,897* x (1/ 0.68479) = 159,022**

* *dataItemValue* in **Financial Collection Data** table –Premium Financials)

** Historical Euro to USD conversion rate (*currencyRateClose* in **Exchange Rate** table – Base files for PricingDate of 12/31/07)

Second Step:

Convert the net income figure from U.S. Dollars (USD) to Pounds Sterling (GBP).

USD GBP
159,022* x (0.50315) = 80012.15781**

* Value from above

** Historical GBP to USD conversion rate (*currencyRateClose* in **Exchange Rate** table – Base files for PricingDate of 12/31/07)

Note: Please refer to **Appendix F – Sample Query Solutions** to view a query which converts currency.

Exchange Rates V2 File

Overview

The Exchange Rates V2 File provides exchange rates for translating currencies, which creates common ground for the analysis of a specific data item over time or the analysis of a ratio that includes multiple items, at a particular historical time.

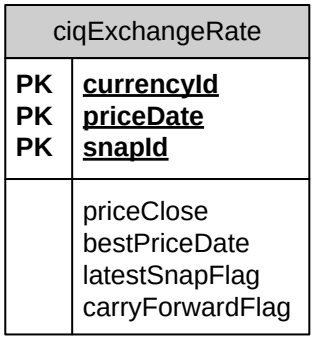
This file provides intraday pricing snaps that allow you to better understand real-time volatility and risk. S&P Capital IQ delivers data in the company's reported currency (which frequently means native currency). The Exchange Rates V2 file contains a times series of exchange rates (i.e., "snaps") converted into USD. Data in the tables is in the reported currency and reflects exchange rates in the following markets:

- Sydney_Close
- Tokyo_Close
- London_Midday
- London_Close
- NewYork_Midday
- NewYork_Close

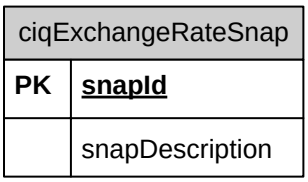
History for exchange rates goes back to 1971. Please note that prior to October 26, 2016 only the London Close price is available.

Schema

The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



ExchangeRate.txt



ExchangeRateSnap.txt

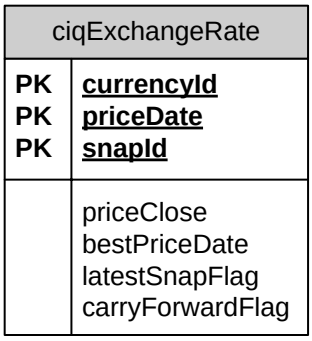
The **ExchangeRate** table contains the S&P Capital IQ currency identifier (*currencyId*), which is used to tie in other S&P Capital IQ data files related to currency. For example, the *currencyId* can be used to join the **ExchangeRate** table to the Premium Financials **ciqFinInstance** table to convert the currency of the fundamental data.

The Exchange Rates file also links a date (*priceDate*) to any time series financial data, and also links the *currencyId* to the **ciqTradingItem** table in the Equity Security and Security files.

In the Consensus Estimates package, you may link the **ciqExchangeRate** table to the **ciqEstimateNumericData** table by the *currencyId.* In addition, the Exchange Rates File links the *currencyId* to the **refCurrency** or **ciqCurrency** table for descriptive data on the currency.

ExchangeRate Table

Below is a table that describes data items provided in the **ExchangeRate** table.



ExchangeRate.txt

Table 62. ciqExchangeRate table

Data Item	Data Type	Description
currencyId	smallint	Unique identifier for a currency. For reference data link to the refCurrency table.
priceDate	date	Date of the currency exchange rate
snapId	tinyint	Unique identifier for a market snap. For reference data, link to the ExchangeRateSnap table.
priceClose	numeric	Currency exchange rate value, i.e., the ratio of the reported currency to USD.

Data Item	Data Type	Description
bestPriceDate	date	Displays the priceDate that contains the most recent priceClose value.
latestSnapFlag	bit	Flag indicating which priceClose value is the latest for a given currencyId and priceDate. 1 = latest?
carryForwadFlag	bit	A flag to indicate whether the priceClose value was carried over from some other date. 1 = Yes

ExchangeRateSnap Table

Below is a table that describes data items provided in the **ExchangeRate** table.

ciqExchangeRateSnap	
PK	**snapId**
	snapDescription

ExchangeRateSnap.txt

Table 63. ExchangeRateSnap table

Data Item	Data Type	Description
snapId		Unique identifier for a market snap.
snapDescription		Description of the market snap.

The table below provides an example of the reference data in the **ExchangeRateSnap** table.

Table 64. ExchangeRateSnap reference data

snapId	snapDescription
1	Sydney Midday
2	Tokyo Midday
3	Sydney_Close
4	Tokyo_Close
5	London_Midday
6	London_Close
7	NewYork_Midday
8	NewYork_Close

Translating Currency

The reporting currency of a company can change over time for various reasons. For example, in the early to mid-1990s, Argentina, Brazil and Mexico revalued their currencies to deal with hyperinflation. As a consequence, companies in these countries changed the currency in which they reported. Likewise, European companies in member-states of the European Union (EU) that adopted the Euro have changed their reporting currency to the Euro. Furthermore, there are cases where a company may decide to change its reporting currency, or the security data for one of its publicly traded issues may be in a different currency than the corresponding fundamental data.

The currency translation process involves:

1. **Identifying** the company's reporting currency.
2. **Determining** the appropriate exchange rates.
   The appropriate exchange rate depends upon the kind of data you are translating and the reporting period.
3. **Calculating** the value of the data in USD using the appropriate USD to reported currency exchange rate.
4. **Converting** from the USD value of the data to the target currency value with the appropriate USD to target currency exchange rate.

Identify the Reporting Currency

First, identify the reporting currency for a specific reporting period. The **Reporting Currency** is the currency in which a company reports financial data.

Determine the Appropriate Exchange Rate

The appropriate exchange rate depends upon the kind of data you are translating. After selecting the reporting currency type, you can then choose one of two **Conversion Methods**:

- ***Current conversion rate***
  (most recent foreign exchange spot rate available applied across all historical periods)
- ***Historical conversion rate***
  (historical spot exchange rate on the period end date or any point in time)

When identifying the correct **Conversion Method**, you need to determine the *priceDate.* The price date is typically dictated by the type of data you are analyzing. When using Estimates data, you may wish to use the Current conversion rate since the data is forward projecting. When using Premium Financials data, you may wish to use the Historical conversion rate since you are analyzing past data.

Calculate Value in the Primary Currency

Calculating the value of the data you are working with in the primary currency is the third step to translating the currencies represented in S&P Capital IQ into each other. Primary currencies can be used also as an intermediate step when translating currencies that cannot be directly translated to each other. S&P Capital IQ currently contains one primary currency, U.S Dollars (USD), which is the only currency represented in S&P Capital IQ that can be directly translated into all other currencies and vice versa.

To translate a data item value in the reporting currency to the value in the primary currency, use this formula:

Value in Reporting Currency **x (1 /** Selected Exchange Rate**) =** Value in Primary Currency

Calculate Value in the Target Currency

The final step to translating currencies is converting the value of the data you are analyzing from the primary currency to your intended target currency.

To convert the value of a data item in the primary currency to the value in your intended target currency, use this formula:

Value in Primary Currency **x** Selected Exchange Rate **=** Value in Target Currency

Scenario: A money manager in Hong Kong wants to convert Volkswagen AG's Sales figure on Period End Date 12/31/07 (Filing Date 2/29/08) from Euros into Pounds Sterling (GBP),

First step:

Convert the sales figure from Euros to, the primary currency.

Euros USD
108,897* x (1/ 0.68479) = 159,022**

* *dataItemValue* in **Financial Collection Data** table –Premium Financials)

** Historical Euro to USD conversion rate (*priceClose* in **Exchange Rate** table –for PriceDate of 12/31/07)

Second Step:

Convert the net income figure from U.S. Dollars (USD) to Pounds Sterling (GBP).

USD GBP
159,022* x (0.50315) = 80012.15781**

* Value from above

** Historical GBP to USD conversion rate (*priceClose* in **Exchange Rate** table for PriceDate of 12/31/07)

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Security & Equity Security Files

Overview

The Security file identifies all trading securities of a company including equity, fixed income and debt securities. The file contains both active and inactive securities, all active and inactive trading items for each security and a flag identifying both the primary security for a company and the primary trading item for each security.

The Security file is used with other files that relate to debt and equity security population. Clients may choose to receive the Security file when subscribing to S&P Capital IQ Index packages.

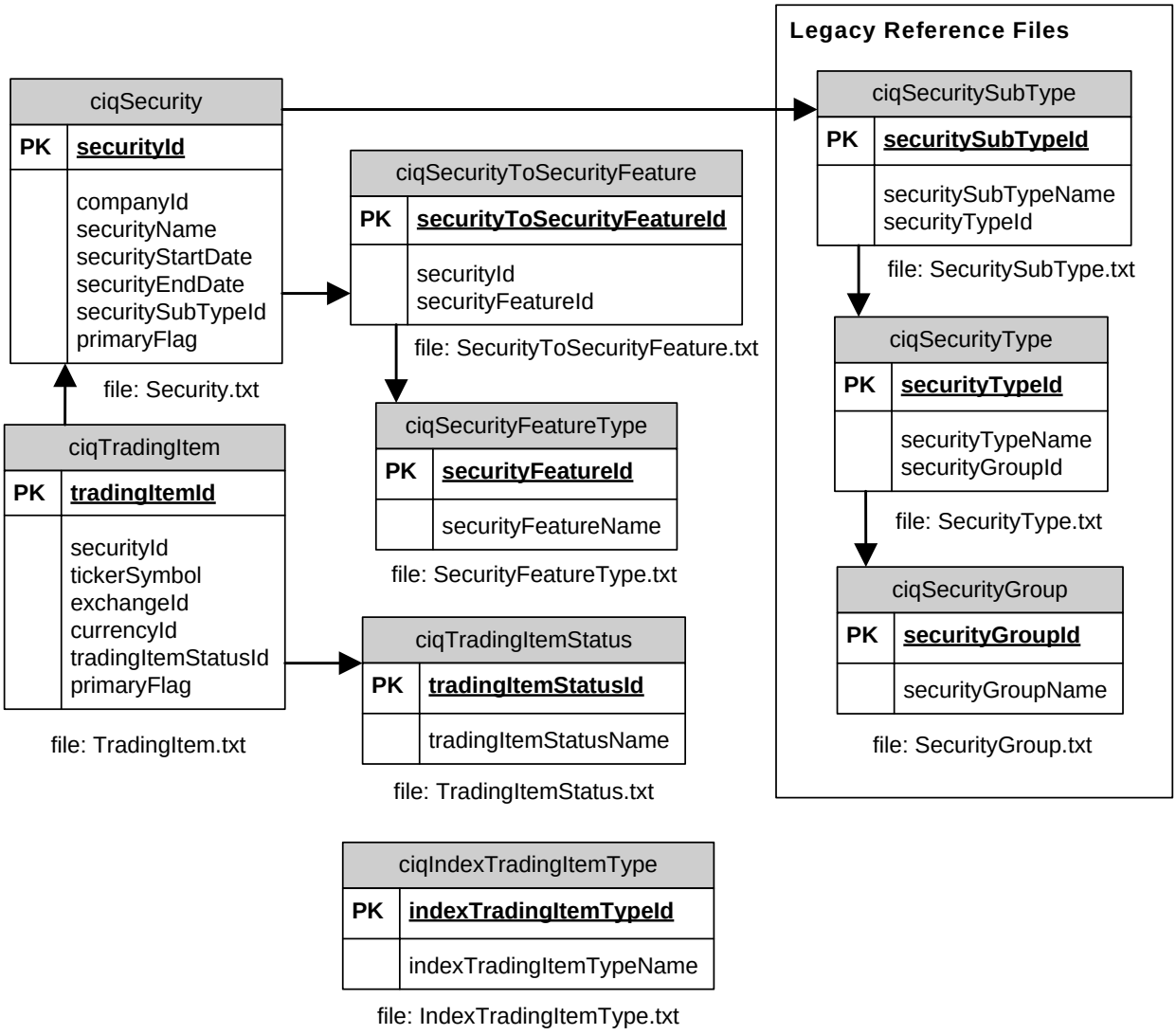
The Equity Security file is a subset of the Security file. This file identifies the equity securities of a company including all common and preferred securities and depository receipts. The Equity Security file uses the same schemas as the Security file, however, the content is limited to equity securities.

The Security file is necessary when you want to:

- provide or filter on descriptive information for a security and trading item in your queries
- join the security to a specific company
- associate a single security to the multiple exchanges on which it trades

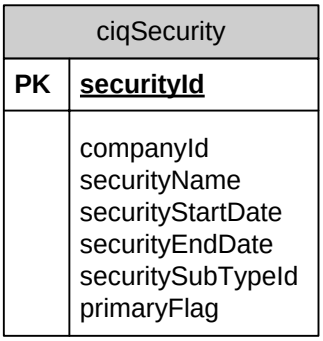
Security File Schema

The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



ciqSecurity Table

The **ciqSecurity** table provides security descriptive information including active status.



file: Security.txt

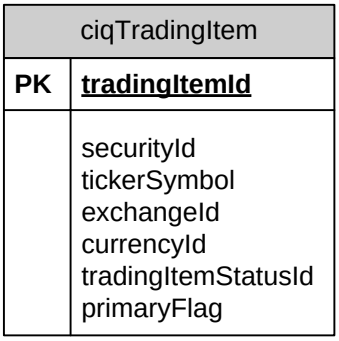
Below is a table that provides the data items and descriptions for the **ciqSecurity** table.

Table 65. ciqSecurity table

Data Item	Data Type	Description
securityId	int	The unique security identifier created by S&P Capital IQ
companyId	int	The identifier for the company each security relates to
securityName	varchar	Security description including type
securityStartDate	datetime	To be populated with historical dates used for linking
securityEndDate	datetime	To be populated with historical dates used for linking
securitySubTypeId	smallint	Details security classification code describing type of security
primaryFlag	bit	This identifies the security as being the primary security for the company

ciqTradingItem Table

The **ciqTradingItem** table provides information related to the different exchanges a security trades on. A trading item is the equivalent of a security + the exchange it trades on. For example, the common stock for Teva Pharmaceuticals trades on both the NYSE and the Tel Aviv exchanges. A trading item differentiates between the two,



file: TradingItem.txt

Below is a table that provides the data items and descriptions for the **ciqTradingItem** table.

Table 66. ciqTradingItem table

Data Item	Data Type	Description
tradingItemId	int	The unique trading item identifier created by S&P Capital IQ
securityId	int	The security that the trading item relates to
tickerSymbol	varchar	Ticker symbol for the trading item
exchangeId	int	The exchange where the security trades
currencyId	smallint	The currency the security trades in
tradingItemStatusId	smallint	Unique identifier for trading item status
primaryFlag	bit	Identifies a tradingItem as the primary one for a security

ciqTradingItemStatus Table

The **ciqTradingItemStatus** table provides a reference table for the **ciqTradingItem** table which gives a detailed trading type classification.

ciqTradingItemStatus	
PK	**tradingItemStatusId**
	tradingItemStatusName

file: TradingItemStatus.txt

Below you will find a description for each column in the **ciqTradingItemStatus** table.

Table 67. ciqTradingItemStatus table

Data Item	Data Type	Description
tradingItemStatusId	smallint	Unique identifier for each trading item status
tradingItemStatusName	varchar	Description for each *tradingItemStatusId*

The table below provides an example of the reference data in the **ciqTradingItemStatus** table.

Table 68. ciqTradingItemStatus reference data

tradingItemStatusId	tradingItemStatusName
1	Added to exchange
2	In bankruptcy, receivership, or reorganization
3	Call scheduled
4	Delisted, or suspended indefinitely
5	Expired, matured, or called
6	First day of trading
7	First day of trading after suspension
8	Merged
9	Name changed
10	Stock distribution payment date reached, but still trading when issued
11	Inactive
12	Trading suspended on this exchange
13	Also trading when issued
14	Foreign issue, and dollar debt issue in default on interest or principal
15	Active
16	Skeletal
17	Bond is matured
18	Bond is in monetary/actual default
19	Bond is in technical default
20	Bond is called due to default
21	Bond is called
22	Bond was not issued – sale cancelled
23	Bond is not yet issued – sale postponed

tradingItemStatusId	tradingItemStatusName
24	Bond is prerefunded
25	Bond is escrowed as to interest only
26	Bond is escrowed as to principal only
27	Bond is escrowed to maturity
28	Crossover refunded
29	Bond is tendered
30	Partially pre-refunded, suspended
31	Cross-over refunding (new issue) – escrowed until cross-over date
32	Escrowed until conversion date
33	No special conditions

ciqSecurityGroup Table

The **ciqSecurityGroup** reference table provides identifiers and descriptions for the highest level of classification for securities.

ciqSecurityGroup	
PK	**securityGroupId**
	securityGroupName

file: SecurityGroup.txt

Below you will find a description for each column in the **ciqSecurityGroup** table.

Table 69. ciqSecurityGroup table

Data Item	Data Type	Definition
securityGroupId	tinyint	Unique identifier for each security group
securityGroupName	varchar	Security Group description (e.g., Equity, Fixed Income)

The table below provides an example of the reference data in the **ciqSecurityGroup** table.

Table 70. ciqSecurityGroup reference data

securityGroupId	securityGroupName
1	Units
2	Derivatives
3	Equity
4	Fixed Income
5	Non-Security Reference Data
6	Special Rates

ciqSecurityType Table

The **ciqSecurityType** reference table provides identifiers and descriptions for the intermediate security classification level.

ciqSecurityType	
PK	**securityTypeId**
	securityTypeName securityGroupId

file: SecurityType.txt

Below you will find a description for each column in the **ciqSecurityType** table.

Table 71. ciqSecurityType table

Data Item	Data Type	Description
securityTypeId	tinyint	Unique identifier for each security type
securityTypeName	varchar	Security Type description (e.g., Common Equity, Preferred Equity, Corporate Debt)
securityGroupId	tinyint	Identifies the high-level classification of the security

ciqSecuritySubType Table

The **ciqSecuritySubType** reference table provides identifiers and descriptions for the detailed security type classification.

ciqSecuritySubType	
PK	**securitySubTypeId**
	securitySubTypeName securityTypeId

file: SecuritySubType.txt

Below you will find a description for each column in the **ciqSecuritySubType** table.

Table 72. ciqSecuritySubType table

Data Item	Data Type	Definition
securitySubTypeId	smallint	Unique identifier for each security subtype
securitySubTypeName	varchar	Textual description for each *securitySubTypeId* (Common Stock, Preferred Stock, Commercial Paper, etc.)
securityTypeId	tinyint	Identifies the intermediate security type classification of the security

S&P Capital IQ flags a company as a Private Company with Public Debt if they have issued one of the following security sub-types AND the security is active:

- **Commercial Paper (securitySubTypeId=5)** - an unsecured promissory note with a fixed maturity of typically no more than 270 days.
- **Credit Facilities (securitySubTypeId=19)** - a type of loan made in a business or corporate finance context. Specific types of credit facilities are: revolving credit, term loans, committed facilities and letters of credits. There are no active securities with a Credit Facilities security sub type.
- **Preferred Security (securitySubTypeId=25)** - synonymous with preferred stocks. Preferred securities share many characteristics of both a stock and a bond. Like bonds, they have a relatively high fixed-rate payment. Like common stock, they are generally listed on a stock exchange. A preferred stock is an equity that may or may not have a maturity. A preferred can either pay a dividend or interest, usually quarterly or semi-annually, and it represents a non-voting ownership in a company. These securities are called “preferred” because preferred shareholders have superior rights to assets and cash flows of a company versus common shareholders in the event of a bankruptcy or liquidation, however, bondholders’ claims are senior to those of preferred shareholders.
- **Corporate Bond/Note (securitySubTypeId=26)** - a debt security issued by a corporation and sold to investors. The backing for the bond is usually the payment ability of the company, which is typically money to be earned by future operations.
- **Annuities (securitySubTypeId=51)** - financial products sold by financial institutions that are designed to accept and grow funds from an individual and then pay out a stream of payments to the individual at a later point in time. There are no active securities with an Annuities security sub type.
- **Acquisition Loan (securitySubTypeId=73)** - a loan given to a company to purchase a specific asset or to be used for purposes that are laid out before the loan is granted. The acquisition loan is typically only able to be used for a short window of time, and only for specific purposes. Once repaid, funds available through the loan cannot be re-borrowed as with a revolving line of credit at a bank.
- **Bridge Loan (securitySubTypeId=74)** - a short term loan that is used until the company secures permanent financing or removes an existing obligation. This type of financing allows the borrower to meet current obligations by providing immediate cash flow. Bridge loans are short-term (typically up to one year) with relatively high interest rates and are backed by some form of collateral such as real estate or inventory.

ciqIndexTradingItemType Table

The **ciqIndexTradingItemType** table is a reference table that provides the methodology used to calculate an index.

ciqIndexTradingItemType	
PK	**indexTradingItemTypeId**
	indexTradingItemTypeName

file: IndexTradingItemType.txt

Below you will find a description for each column in the **ciqIndexTradingItemType** table.

Table 73. ciqIndexTradingItemType table

Data Item	Data Type	Definition
IndexTradingItemTypeId	tinyint	Unique identifier for the type of index calculation methodology.
IndexTradingItemTypeName	varchar	Textual description for the index calculation methodology (e.g. Intraday Value, Dividend Return, Total Return Net, Currency Hedged Return)

The table below provides an example of the reference data in the **ciqIndexTradingItemType** table.

Table 74. ciqIndexTradingItemType reference data

indexTradingItemTypeId	indexTradingItemTypeName
1	Total Return Gross
2	Price Return
3	Currency Hedged Return
4	Total Return Net
5	Intraday Value

ciqSecurityToSecurityFeature Table

The **ciqSecurityToSecurity Feature** table describes certain features of securities, primarily allowing you to identify Mutual Funds and ETFs.

ciqSecurityToSecurityFeature	
PK	**securityToSecurityFeatureId**
	securityId securityFeatureId

file: SecurityToSecurityFeature.txt

Below you will find a description for each column in the **ciqSecurityToSecurityFeature** table.

Table 75. ciqSecurityToSecurityFeature table

Data Item	Data Type	Description
securityToSecurityFeatureId	int	The securityToSecurityFeatureId is the unique S&P Capital IQ identifier for the relationship between a security and its feature (Mutual Fund, Investment Grade, Redeemable, Preferred, Convertible, etc)
securityId	int	The unique S&P Capital IQ identifier for a security
securityFeatureId	smallint	The unique identifier that identifies the security feature.

ciqSecurityFeatureType Table

The **ciqSecurityFeatureType** Table is a reference table for the **ciqSecurityToSecurityFeature** table. This table provides identifiers and descriptions for the security feature.

ciqSecurityFeatureType	
PK	**securityFeatureId**
	securityFeatureName

file: SecurityFeatureType.txt

Below you will find a description for each column in the **ciqSecurityFeatureType** table.

Table 76. ciqSecurityFeatureType table

Data Item	Data Type	Definition
securityFeatureId	smallint	The unique identifier that identifies the security feature.
securityFeatureName	varchar	Provides the name of the Security Feature (e.g., Closed-End Fund, Income Trust, ETF, Money Market, Mutual Fund, Exchangeable, MTN, Variable Rate, Callable, Accredited, Regulation S, etc)

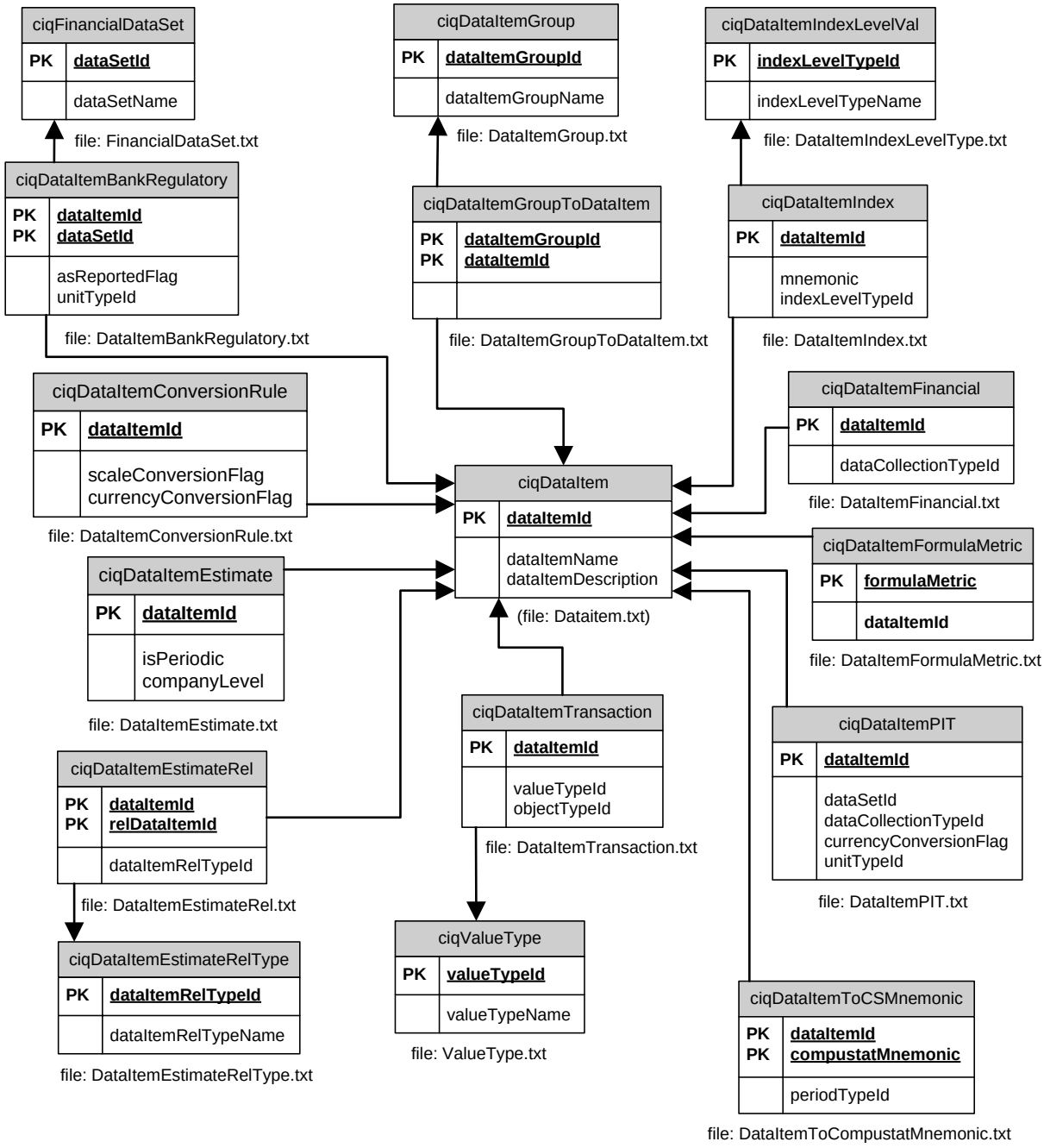
Data Item Master File

Overview

The Data Item Master file provides a reference for all *dataItemIds* used in the various S&P Capital IQ packages to further describe the data. Additional reference files categorize content and describe characteristics of data items.

Data Item Master File Schema

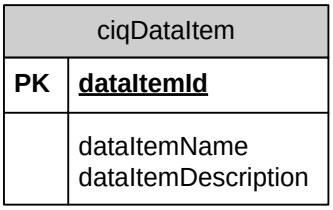
The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients.



This section contains a description of each table and field within the Data Item Master file.

ciqDataItem Table

The **ciqDataItem** table contains the name and description of all the data items including financial data items, estimates data items, and index data items.



file: DataItem.txt

Below you will find a description of each column in the **ciqDataItem** table.

Table 77. ciqDataItem table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
dataItemName	varchar	The textual name of the data item (e.g., Revenue, Expense)
dataItemDescription	varchar	Data Item Definition

ciqDataItemFinancial Table

The **ciqDataItemFinancial** table describes the data items in the Financials packages.

ciqDataItemFinancial	
PK	**dataItemId**
	dataCollectionTypeId

file: DataItemFinancial.txt

Below you will find a description of each column in the **ciqDataItemFinancial** table.

Table 78. ciqDataItemFinancial table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
dataCollectionTypeId	tinyint	Provides the classification for each financial *dataItemId* (e.g., Income Statement, Balance Sheet). Link to the Financial Data Collection Type table in Premium Financials for the description.

ciqDataItemConversionRule Table

The **ciqDataItemConversionRule** table contains flags to help determine if the item should be currency adjusted or scaled.

ciqDataItemConversionRule	
PK	**dataItemId**
	scaleConversionFlag currencyConversionFlag

file: DataItemConversionRule.txt

Below you will find a description of each column in the **ciqDataItemConversionRule** table.

Table 79. ciqDataItemConversionRule table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item.
scaleConversionFlag	int	Identifies whether an item can be scaled
currencyConversionFlag	int	Identifies whether an item can be currency-converted

ciqDataItemIndex Table

The **ciqDataItemIndex** table contains index items, mnemonics, and link to item description.

ciqDataItemIndex	
PK	**dataItemId**
	mnemonic indexLevelTypeId

file: DataItemIndex.txt

Below you will find a description of each column in the **ciqDataItemIndex** table.

Table 80. ciqDataItemIndex table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
mnemonic	varchar	A textual acronym of the *dataItemId*
indexLevelTypeId	tinyint	Classifies the different index data items (index level, security level, constituent level)

ciqDataItemIndexLevelVal Table

The **ciqDataItemIndexLevelVal** table contains a reference for the index level types and descriptions.

ciqDataItemIndexLevelVal	
PK	**indexLevelTypeId**
	indexLevelTypeName

file: DataItemIndexLevelType.txt

Below you will find a description of each column in the **ciqDataItemIndexLevelVal** table.

Table 81. ciqDataItemIndexLevelVal table

Data Item	Data Type	Description
indexLevelTypeId	tinyint	Unique identifier for each index level type
indexLevelTypeName	varchar	Textual description of each *indexLevelTypeId* (index level, security level, constituent level)

ciqDataItemFormulaMetric Table

The **ciqDataItemFormulaMetric** table contains a mapping between the data item metrics used with S&P Capital IQ Excel plug-in formulas. Clients that are familiar with the S&P Capital IQ Excel Plugin can use this table to link the CIQ formula name in Excel to the data item ID in Xpressfeed.

ciqDataItemFormulaMetric	
PK	**formulaMetric**
	dataItemId

file: DataItemFormulaMetric.txt

Below you will find a description of each column in the **ciqDataItemFormulaMetric** table.

Table 82. ciqDataItemFormulaMetric table

Data Item	Data Type	Description
formulaMetric	varchar	Excel Plug-in code used within S&P Capital IQ's Excel add-in
dataItemId	int	Unique identifier for a data item

The table below provides an example of the reference data in the **ciqDataItemFormulaMetric** table.

Table 83. Examples of *dataItemIds*, FormulaMetrics and descriptions

Data Item Id	Formula Metric	Description
7	IQ_TR_TARGET_EARNING_CO	Earnings From Continuing Operations
8	IQ_DILUT_EPS_INCL	Net EPS - Diluted
9	IQ_BASIC_EPS_INCL	Net EPS - Basic
10	IQ_GP	Gross Profit

The *S&P Capital IQ Financials Glossary* provides the Excel Plug-In Formula Metric as well as definitions and calculations for all financial statement items. The *Financials Glossary* may be found on the client support site at: http://support.standardandpoors.com.

ciqDataItemGroup Table

The **ciqDataItemGroup** table contains reference data describing data feed group Ids. The data item group refers to an Xpressfeed package that data item is found within. Note that a dataitemID can exist on multiple data item groups.

ciqDataItemGroup	
PK	**dataItemGroupId**
	dataItemGroupName

file: DataItemGroup.txt

Below you will find a description of each column in the **ciqDataItemGroup** table.

Table 84. ciqDataItemGroup table

Data Item	Data Type	Description
dataItemGroupId	smallint	Unique identifier for the Data Item Group.
dataItemGroupName	varchar	The corresponding name for the Data Item Group or Feed package

The table below provides an example of the reference data in the **ciqDataItemGroup** table.

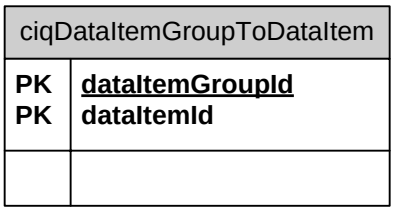
Table 85. *dataItemGroupIds* and dataItemGroupNames

Data Item Group Id	Data Item Group Name
1	Standardized Statement Items
2	Standardized Text Items
3	Standardized Ratio Items
4	Standardized Supple Items
5	Standardized Detail Items
6	Standardized Market Items
7	Standardized Market Plus Items
8	Standardized DCS Subtotal Items
10	ECS Component Standardized Data Items
12	DCS Component AsReported Data Items
13	Standardized Mini Items
14	Standardized Mini Plus Items
15	Financials - Airlines
16	Financials - Banks
18	Financials - Healthcare
19	Financials - Homebuilders
20	Financials - Hotels and Gaming
21	Financials - Insurance
22	Financials - Internet Media
23	Financials - Managed Care
24	Financials - Metals and Mining
25	Financials - Oil and Gas

Data Item Group Id	Data Item Group Name
26	Financials - Pharmaceutical and Biotech
27	Financials - Real Estate
28	Financials - Restaurant
29	Financials - Retail
30	Financials - Semiconductors
31	Financials - Wireless
32	Financials - Commitments and Contingencies
33	Financials - Options and Warrants
34	Financials - Pension
35	Financials - Supplemental
36	Financials - Bank Regulatory
51	Segments AsReported Items
52	Segments Component Standardized Items
53	Standardized Segments SubTotal Items
80	CIQ Estimate Consensus
81	CIQ Estimate Guidance
82	CIQ Estimate Detail
83	CIQ Estimate Consensus Analysis
84	CIQ Estimate Revisions
85	CIQ Estimate Primary Earnings Metric
120	Transaction M&A
121	Transaction M&A Consideration
122	Transaction M&A Market
123	Transaction M&A Financials
124	Transaction Offerings & Shelf Registration
125	Transaction Offerings & Shelf Registration Market
126	PIT Standardized Items
127	PIT Supplemental Items
128	Transaction Offerings & Shelf Registration Financials
129	DXL Short Interest

ciqDataItemGroupToDataItem Table

The **ciqDataItemGroupToDataItem** table allows you to link a *dataitemId* to a Data Item Group.



file: DataItemGrouptoDataItem.txt

Below you will find a description of each column in the **ciqDataItemGroupToDataItem** table.

Table 86. ciqDataItemGroupToDataItem table

Data Item	Data Type	Description
dataItemId	smallint	Unique identifier for a data item
dataItemGroupId	int	Unique identifier for the Data Item Group.

The table below provides an example of the reference data in the **ciqDataItemGroupToDataItem** table. A data item description has been added for clarification.

Table 87. ciqDataItemGroup reference data

Data Item Group Id	Data Item Id	Description
1	1	Cost Of Revenues
1	2	Depreciation & Amortization, Total - (IS)
1	3	EBT, Excl. Unusual Items
1	8	Net EPS – Diluted
15	23464	Aircraft Owned
15	23465	Aircraft Average Age (Yrs.)
15	23466	Aircraft Added
15	23467	Aircraft Leased (Capital)
15	23468	Aircraft - Firm Orders
15	23469	Total Aircraft Leased

ciqDataItemEstimate Table

The **ciqDataItemEstimate** table contains descriptive information about estimate data item Ids. S&P Capital IQ estimate data items are either at the company level or trading item level. This table also flags dataItemIds determined to be non-periodic (i.e., data that is not associated with a specific period end date).

ciqDataItemEstimate	
PK	**dataItemId**
	isPeriodic companyLevel

file: DataItemEstimate.txt

Below you will find a description of each column in the **ciqDataItemEstimate** table.

Table 88. ciqDataItemEstimate table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
isPeriodic	bit	Flag indicating if the item is reported on a periodic basis
companyLevel	bit	Flag indicating if the item is company level or not

The table below provides an example of the reference data in the **ciqDataItemEstimate** table.

Table 89. ciqDataItemEstimate reference data

Data Item ID	Is Periodic	Company Level	Data Item Name
21625	0	0	Recommendation
21626	0	0	Price Target
21629	0	0	Annual EPS Growth - 5 Yr. Estimate (%)
21634	1	0	EPS Normalized (Detailed)
21640	1	0	DPS Estimate
21642	1	1	Total Revenue Estimate

Note: The **ciqDataItemEstimate** table contains dataItemIds *only* for Estimates Detail. The query below can provide the matching attributes for other Estimates dataItemIds (e.g., Consensus and Guidance).

```
select cdie.dataItemId as DetailDataItemId, cdi1.dataItemName,
cdiert.dataItemRelTypeName, cdi2.dataItemId, cdi2.dataItemName,
cdie.companyLevel, cdie.isPeriodic
from ciqDataItemEstimate cdie
join ciqDataItemEstimateRel cdier on cdie.dataItemId =
cdier.dataItemId
join ciqDataItemEstimateRelType cdiert on cdier.dataItemRelTypeId
= cdiert.dataItemRelTypeId
join ciqDataItem cdi1 on cdie.dataItemId = cdi1.dataItemId
join ciqDataItem cdi2 on cdier.relDataItemId = cdi2.dataItemId
order by cdi1.dataItemId asc, cdiert.dataItemRelTypeName asc
```

ciqDataItemEstimateRel Table

The **ciqDataItemEstimateRel** table allows you to build logical groups of data items; data points by statistical measure, detail to consensus, guidance to consensus, actual to consensus, etc.

ciqDataItemEstimateRel	
PK **PK**	**dataItemId** **relDataItemId**
	dataItemRelTypeId

file: DataItemEstimateRel.txt

Below you will find a description of each column in the **ciqDataItemEstimateRel** table.

Table 90. ciqDataItemEstimateRel table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
relDataItemId	int	
dataItemRelTypeId	smallint	Unique identifier for the relationship type

The table below provides an example of the reference data in the **ciqDataItemEstimateRel** table.

Table 91. ciqDataItemEstimateRel reference data

Data Item Rel Type	Data Item Id	Rel Data Item Id	Data Item Name
1	21638	100207	Cash Flow/Share Detail To Actual
25	100201	100207	Cash Flow/Share Consensus to Actual
32	22318	100201	Cash Flow/Share Guidance to Consensus Mean
4	21638	100201	Cash Flow/Share Detail to Consensus - Mean
5	21638	100202	Cash Flow/Share Detail to Consensus - Median
6	21638	100203	Cash Flow/Share Detail to Consensus - High
7	21638	100204	Cash Flow/Share Detail to Consensus - Low
8	21638	100205	Cash Flow/Share Detail to Consensus - # of Estimates
9	21638	100206	Cash Flow/Share Detail to Consensus - Standard Deviation

ciqDataItemEstimateRelType Table

The **ciqDataItemEstimateRelType** table contains reference data describing estimate data relationship types.

ciqDataItemEstimateRelType	
PK	**dataItemRelTypeId**
	dataItemRelTypeName

file: DataItemEstimateRelType.txt

Below you will find a description of each column in the **ciqDataItemEstimateRelType** table.

Table 92. ciqDataItemEstimate RelType table

Data Item	Data Type	Description
dataItemIRelTypeId	smallint	Unique identifier for the relationship type
dataItemRelTypeName	varchar	Definition of the relationship type

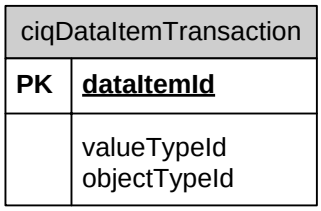
The table below provides an example of the reference data in the **ciqDataItemEstimateRelType** table.

Table 93. ciqDataItemEstimateRelType reference data

Data Item Rel Type	Description
1	Detail Estimate To Actual
25	Consensus to Actual
32	Guidance to Consensus Mean

ciqDataItemTransaction Table

The Data Item Transaction table contains the descriptive data for the data items included in the Transactions – M&A package.



file: DataItemTransaction.txt

Below you will find a description of each column in the **ciqDataItemTransaction** table.

Table 94. ciqDataItemTransaction table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
valueTypeId	smallint	Unique identifier defining the type of data item value (e.g. intger, numeric, varchar, bit, datetime)
objectTypeId	tinyint	Unique identifier for defining the object (company, person, transaction)

The table below provides an example of the reference data in the **ciqDataItemTransaction** table.

Table 95. Sample ciqDataItemTransaction reference data

Data Item Id	Data Item Name	Value Type Id	Object Type Id
100504	Transaction Size	2	14
100509	Deal Attitude ID	1	14
101004	Cash Equivalent Per Target Share Flag	4	26
101006	Consideration Exchange Ratio Fixed Flag	4	26
101009	# of Target Shares Outstanding	2	26
101010	# of Target Shares Sought	2	26
101011	% of Target Shares Sought	2	26
102073	Consideration Status Type ID	1	25
102261	Offer Cash Price Per Acquirer Date	5	26
111761	Deal Approach ID	1	14

ciqValueType Table

This file contains reference data for the Value Types found in the Transactions package. Data Items are stored in different tables depending on the data type.

ciqValueType	
PK	**valueTypeId**
	valueTypeName

file:ValueType.txt

Below you will find a description of each column in the **ciqValueType** table.

Table 96. ciqValueType table

Data Item	Data Type	Description
valueTypeId	int	Unique identifier for the value
valueTypeName	varchar	The corresponding name of the value

The table below provides an example of the reference data in the **ciqValueType** table.

Table 97. ciqValueType reference data

Data Item	Description
1	Integer
2	Numeric
3	Varchar
4	Bit
5	Datetime

ciqDataItemBankRegulatory Table

The **ciqDataItemBankRegulatory** table contains reference data for the dataitemIds in the Bank Regulatory Data Package.

ciqDataItemBankRegulatory	
PK **PK**	**dataItemId** **dataSetId**
	asReportedFlag unitTypeId

file: DataItemBankRegulatory.txt

Below you will find a description of each column in the **ciqDataItemBankRegulatory** table.

Table 98. ciqDataItemBankRegulatory table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
dataSetId	tinyint	Identifies the data set that this data item is being sourced from
asReportedFlag	bit	Flag indicating that the data item is as-reported and has not been standardized
unitTypeId	tinyint	Identifies the type of unit in which the item is reported (e.g. actual, thousands, millions)

The table below provides an example of the reference data in the **ciqDataItemBankRegulatory** table.

Table 99. ciqDataItemBankRegulatory reference data

Data Item Id	Is As Reported Flag	UnitTypeID	Data Set Id
34294	1	0	3
34295	0	0	6

ciqFinancialDataSet Table

This file contains reference data for datasetId found in the Bank Regulatory Data Package.

ciqFinancialDataSet	
PK	**datasetId**
	datasetName

file: FinancialDataSet.txt

Below you will find a description of each column in the **ciqFinancialDataSet** table.

Table 100. ciqFinancialDataSet table

Data Item	Data Type	Description
datasetId	tinyint	Unique identifier for the dataset
datasetName	varchar	Defines the data set a data item ID pertains to

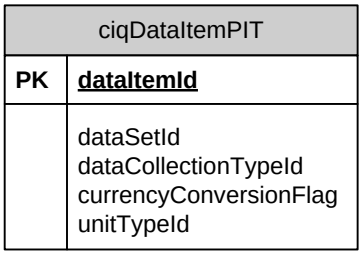
The table below provides an example of the reference data in the **ciqFinancialDataSet** table.

Table 101. ciqFinancialDataSet reference data

Data Set Id	Data Set Name
3	FDIC
6	FFIEC

ciqDataItemPIT Table

The **ciqDataItemPIT** (Point-In-Time) table does not contain data that relates to any active packages. Clients should ignore this table (text file for non-loader clients).



file: DataItemPIT.txt

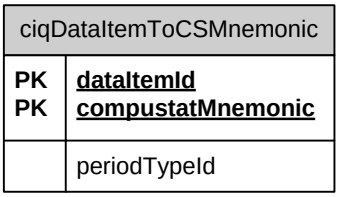
Below you will find a description of each column in the **ciqDataItemPIT** table.

Table 102. ciqDataItemPIT table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
dataSetId	tinyint	Unique identifier for the data set
dataCollectionTypeId	tinyint	Provides the classification for each financial *dataItemId* (e.g., Income Statement, Balance Sheet). Link to the Financial Data Collection Type table in Premium Financials for the description.
currencyConversionFlag	bit	Identifies whether an item can be currency-converted
unitTypeId	tinyint	Identifies the type of unit in which the item is reported (e.g. actual, thousands, millions)

ciqDataItemToCSMnemonic Table

This **ciqDataItemToCSMnemonic** table contains a mapping of the Compustat mnemonics to its CIQ data item ID. This is meant to be used with the S&P Capital IQ Point in Time data set in development to assist clients that are accustomed to using the Compustat mnemonics.



file: DataItemToCompustatMnemonic

Below you will find a description of each column in the **ciqDataItemToCSMnemonic** table.

Table 103. ciqDataItemToCSMnemonic table

Data Item	Data Type	Description
dataItemId	int	Unique identifier for a data item
compustatMnemonic	varchar	The Compustat alphanumeric abbreviation of the name of the data item
periodTypeId	tinyint	This denotes whether the mnemonic is for an annual or quarterly period.

Symbol/Helper Files

Overview

The S&P Capital IQ Symbol/Helper files offer multiple helper files for cross-referencing. These files help facilitate the linkage between various S&P Capital IQ identifiers (*companyId, securityId, tradingitemId*) and a specific universal ID. With the exception of GvkeyIID, all Symbol/Helper files share the same format; the *SymbolTypeId* can be used to create a master symbol table for cross reference/integration purposes. These files are similar in size and identical in format based on type (basic or enhanced).

Symbol/Helper Files

The table below provides the names of the S&P Capital IQ Symbol/Helper Files and a description of the file.

Table 104. Symbol/Helper Files

File	Description
CUSIP Basic (FTCusip9)	This package maps the CUSIP9 to the Capital IQ companyId. This contains all CUSIPs received from FT Interactive and aligns both debt and equity securities. This also contains dead CUSIPs.
CUSIP Enhanced History file	The CUSIP Enhanced History file maps the CUSIP9 to the S&P Capital IQ *companyId* (*relatedCompanyId* field) and the S&P Capital IQ *securityId* (*objectId* field). This file contains all CUSIPs received from FT (Financial Times) Interactive, aligns both debt and equity securities, and contains dead CUSIPs. ***Note***: Approval from the CUSIP Bureau is required.

File	Description
D&B Number file	The D&B Number file maps the Dun and Bradstreet identifier to the S&P Capital IQ *companyId* (*relatedCompanyId* and *objectId* fields). This is the only identifier that is available for private company mapping. ***Note***: Approval from Dun and Bradstreet is required.
GVKEY Basic file	This package maps the GV Key to the Capital IQ companyId. In some cases, there will be a many-to-one relationship from GVKey to Capital IQ companyId.
GVKEY Enhanced History file	The GVKEY Enhanced History file maps the GVKEY to the S&P Capital IQ *companyId* (*related CompanyId* and *objectId* fields). In some cases there will be a many-to-one relationship from GVKEY to S&P Capital IQ *companyId*.
GVKEY IID Enhanced History file	The GVKEY IID Enhanced History file maps the GVKEY IID to the S&P Capital IQ *companyId* (*related CompanyId* field) and the S&P Capital IQ *tradingItemId* (objectId field).
ISIN Basic file	This package maps the ISIN to the Capital IQ companyId . In some cases, there will be a many-to-one relationship from ISIN to Capital IQ companyId.
ISIN Enhanced History file	The ISIN Enhanced History file maps the ISIN to the S&P Capital IQ *companyId* (*related CompanyId* field) and the S&P Capital IQ *securityId* (objectId field).
SEDOL Basic file	This package maps the SEDOL to the Capital IQ companyId. In some cases, there will be a many-to-one relationship from SEDOL to Capital IQ companyId..
SEDOL Enhanced History file	The SEDOL Enhanced History file maps the SEDOL to the S&P Capital IQ *companyId* (*relatedCompanyId* field) and the S&P Capital IQ *securityId* or *tradingitemId* (objectId field). ***Note***: Approval from the London Stock Exchange is required.
SEC CIK Basic file	The SEC CIK file contains a map of the CIK code assign by the SEC to the S&P Capital IQ *companyId* (*relatedCompanyId* and *objectId* fields). This is only relevant to companies filing with the SEC; therefore, the universe is made up of US companies and ADRs.
SEC CIK Enhanced file	This package maps the SEC CIK to the Capital IQ companyId and contains start and end dates for the security level symbols.
S&P Ratings Xpress file	The S&P Ratings Xpress file maps the Ratings Xpress ID to the S&P Capital IQ *companyId* (*relatedCompanyId* and *objectId* fields). This allows you to map to the ratings universe and take the Ratings file directly from the ratings group.

File	Description
Ticker Basic (FTTicker)	This package maps the company's Ticker to the Capital IQ companyId. This package contains tickers from around the world, including Japanese tickers for the Tokyo stock exchange.
Ticker Enhanced History file	The Ticker Enhanced History file maps the company's tickers to the S&P Capital IQ *companyId* (*relatedCompanyId* field) and the S&P Capital IQ *tradingitemId* (*objectId* field).

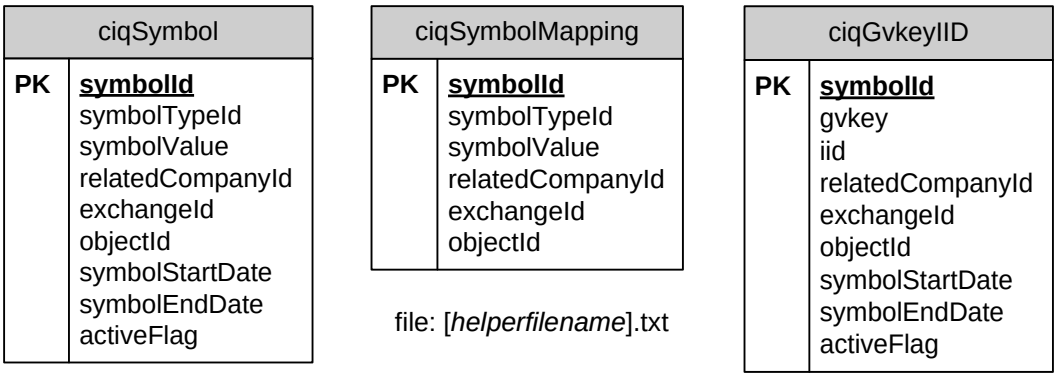
The table below provides the symbolTypeIds for each symbol.

Table 105. Symbol Types

symbolTypeId	symbolTypeName
2	IDC Issuer Code
3	IDC CUSIP 9
4	IDC Ticker + ExchangeId
6	D&B DUNS
13	IDC International SEDOL
14	IDC ISIN
15	IDC CUSIP 9 + ExchangeId
21	SEC CIK number
22	IDC International SEDOL + ExchangeId
41	Simply Stocks Company IDs
64	EIN (Employer Identification Number) - Compustat
65	S&P GvKey + Issue ID
69	S&P GVKey
73	RatingsXpress EntityId
102	Moody's Issuer Number
106	Moody's Debt Number
236	GvKey - ProForma
237	GvKey - PreFASB
238	GvKey - PreDvst
239	GvKey - PostDvst
240	GvKey - PreAmend
241	GvKey - Public/Private/Public
242	GvKey - MultiIssue / Structure Product
243	GVKey - Canadian Exchange
248	GvKey - ETF
864	TF Ibes Ticker
5700	IDC Domestic SEDOL
5701	IDC Domestic SEDOL + ExchangeId

Schema

The schema reflects Xpressfeed Loader table names and presents the associated file names for direct feed clients. The **Symbol** table provides a time series version of the various identifier mappings, whereas the **Symbol Mapping** table is a subset that only provides the latest mapping info. Typically, you will receive data in only one of these tables.



file: [*helperfilename*].txt

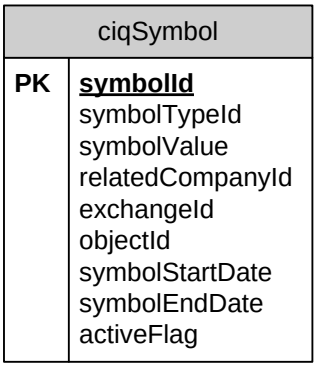
file: [*helperfilename*].enhanced.txt

file: GVKeyIIDEnhancedSymbol [Pop].txt

The **GvkeyIID** table is delivered to you when you receive the GvkeyIID Enhanced History File.

ciqSymbol Table

The **ciqSymbol** table provides a time series version of the various identifier mappings.



file: [*helperfilename*].enhanced.txt

Below you will find a description of each column in the **ciqSymbol** table.

Table 106. ciqSymbol table

Column Name	Data Type	Comments
symbolId	int	Unique identifier for each symbol. The ID for each particular symbol is used to monitor Deletes or Updates for that symbol. Changes to a file are attached at the *symbolId* level.
symbolTypeId	smallint	Depending on what helper files your account is set up for, you will have a variety of universal IDs to retrieve. Use this field to specify the ID type (e.g., ISIN, Sedol) as defined in the **Symbol Type** table within the Company file.
symbolValue	varchar	Relevant symbol value for the *symbolTypeId* specified, (e.g., ISIN value, Sedol value)
relatedCompanyId	int	S&P Capital IQ *companyId*. Note: If you subscribe to any of the IDC SEDOL packages and to the S&P Capital IQ Ratings package, this field uses a methodology other than the S&P Ratings organization to identify the issuer. In this case, you should not map this field to the *companyId* field in the **ciqRatingEntity** table as there will be differences. The *objectId* field should be used to map to the Ratings tables.
exchangeId	int	This ID indicates the exchange that a public company trades on
objectId	int	This ID indicates the relevant S&P Capital IQ identifier, whether *companyId, securityId or tradingitemId*, depending on *the symbolTypeId* specified. See the **Symbol Type** and **Object Type** tables in the Company file to determine what the *objectId* field represents for each *symbolTypeId*.
symbolStartDate	datetime	Start date for *symbolValue*
symbolEndDate *	datetime	End date for *symbolValue*
activeFlag	bit	Flag indicating if *symbolValue* is active

* The symbolEndDate is not actively managed for the IDC symbolTypes below. The activeFlag is a better indicator as to whether the symbol is active for these symbolTypes:

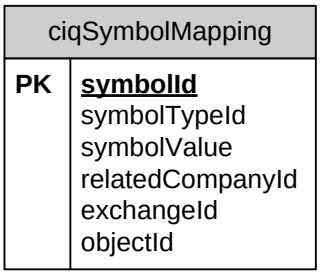
Table 107. ciqSymbolTypeIds and symbolTypeNames

symbolTypeId	symbolTypeName
2	IDC Issuer Code
3	IDC CUSIP 9
4	IDC Ticker + ExchangeId
13	IDC International SEDOL
14	IDC ISIN
15	IDC CUSIP 9 + ExchangeId
22	IDC International SEDOL + ExchangeId
5700	IDC Domestic SEDOL
5701	IDC Domestic SEDOL + ExchangeId

ciqSymbolMapping Table

The **ciqSymbolMapping** table is a subset of the **Symbol** table. The **ciqSymbolMapping** table does not provide a time-series dimension to the mappings.

Note: They are not intended for display purposes, i.e., “This is Microsoft’s ISIN: US5949181045” (Microsoft, for example, has two ISINs on file, US5949181045 and ARDEUT110285).



file: [*helperfilename*].txt

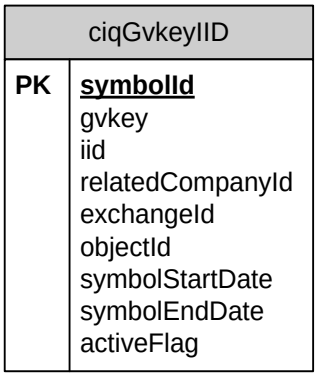
Below you will find a description of each column in the **ciqSymbolMapping** table.

Table 108. ciqSymbolMapping table

Column Name	Data Type	Comments
symbolId	int	The unique identifier for the symbol. It exists in the file for the sole purpose of monitoring Deletes or Updates for that symbol. If changes are sent, they are attached at the symbolId level.
symbolTypeId	smallint	The Symbol/Helper files all have the same structure. This field is designed to allow users to create a master table of all identifiers. Each Symbol/Helper file will have one and only one *symbolType*, i.e., it will be the same in each file. See examples of symbolTypeIds below.
symbolValue	varchar	Relevant symbol value, i.e., ISIN, CUSIP, Sedol, etc.
relatedCompanyId	int	S&P Capital IQ c*ompanyId.* Note: If you subscribe to any of the IDC SEDOL packages and to the S&P Capital IQ Ratings package, this field uses a methodology other than the S&P Ratings organization to identify the issuer. In this case, you should not map this field to the *companyId* field in the **ciqRatingEntity** table as there will be differences. The *objectId* field should be used to map to the Ratings tables.
exchangeId	int	If the company is public, this is the exchange that it trades on
objectId	Int	This ID indicates the relevant S&P Capital IQ identifier, whether *companyId, securityId or tradingitemId*, depending on *the symbolTypeId* specified. See the **Symbol Type** and **Object Type** tables in the Company file to determine what the *objectId* field represents for each *symbolTypeId*.

ciqGvkeyIID Table

The **ciqGvkeyIID** table is delivered with the GvkeyIID Enhanced History File.



file: GVKeyIIDEnhancedSymbol[Pop].txt

Below you will find a description of each column in the **ciqGvkeyIID** table.

Table 109. Gvkey IID Enhanced History File

Column Name	Data Type	Comments
symbolId	int	Unique identifier for each symbol. The ID for each particular symbol is used to monitor Deletes or Updates for that symbol. Changes to a file are attached at the *symbolId* level.
gvkey	varchar	A unique identifier, Global Company Key, created by Compustat. (Compustat Global Company Key).
iid	varchar	This alphanumeric character code uniquely identifies an issue of a company. It is comprised of an issue-identifying numeric component and a population-identifying alpha component.
relatedCompanyId	int	S&P Capital IQ *companyId*
exchangeId	int	This ID indicates the exchange that a public company trades on.
objectId	int	This ID indicates the relevant S&P Capital IQ *tradingitemId*,
symbolStartDate	datetime	Start date for *symbolValue*
symbolEndDate *	datetime	End date for *symbolValue*
activeFlag	tinyint	Flag indicating if *symbolValue* is active

Appendix: Sample Query Solutions

This section provides sample queries and solutions using S&P Capital IQ Base Data Files. Sample queries are provided in order to demonstrate table relationships and business rules. Please feel free to optimize the queries for best performance based on your use case.

Display reported currency and convert to target currency (Premium Financials)

This example shows how to create a query using the Base Data Files linking to the S&P Capital IQ Premium Financials data set.

Sample Query

```
select PITcfp.companyid, PITcfi.periodenddate, PITcfi.filingdate, PITcfp.FiscalYear,
PITcpt.periodTypeName, PITcfcd.dataitemid, PITcfcd.dataitemvalue, PITcfc.currencyid
from ciqFinPeriod PITcfp
join ciqPeriodType PITcpt on PITcfp.periodTypeId = PITcpt.periodTypeId
join ciqFinInstance PITcfi on PITcfp.financialPeriodId = PITcfi.financialPeriodId
join ciqFinInstanceToCollection PITcfic on PITcfi.financialInstanceId =
PITcfic.financialInstanceId
join ciqFinCollection PITcfc on PITcfic.financialcollectionId = PITcfc.financialcollectionId
join ciqFinCollectionData PITcfcd on PITcfc.financialcollectionId =
PITcfcd.financialcollectionId
--Retrieving for IBM based on its Capital IQ companyID
where PITcfp.companyid = '394038'
--Retrieving for the most current period only
and PITcfp.latestPeriodFlag = '1'
--Retrieving Revenues based on the DataItemID
and PITcfcd.dataitemId = '28'
--Retrieving the latest instance for that period
and PITcfi.latestForFinancialPeriodFlag ='1'
--Use the latest filing for the latest instance
and PITcfi.latestFilingForInstanceFlag = '1'
--Narrowing down to Quarterly data based on the PeriodTypeID
and PITcfp.periodtypeID = '2'
```

Sample Results

companyid	periodenddate	filingdate	FiscalYear	periodTypeName	dataitemid	dataitemvalue	currencyid
394038	2009-09-30	2009-12-04	2009	Quarterly	28	19714.000000	50

Sample Query

To make the results easier to work with, add descriptions for the IDs, then translate into USD:

1. See the name of the company that corresponds to the companyID.
2. See the name of the data item that corresponds to the dataItemID.
3. See the name of the currency that corresponds to the currencyID.
4. Translate the data into USD.

```
select PITcfp.companyid,BCcc.companyname, PITcfi.periodenddate, PITcfi.filingdate,
PITcfp.FiscalYear, PITcpt.periodTypeName, PITcfcd.dataitemid, DIMcdi.dataitemname,
PITcfcd.dataitemvalue, PITcfc.currencyid, BCccu.currencyname,
PITcfcd.dataitemvalue/ERcer.currencyRateClose as dataitemvalueUSD
from ciqFinPeriod PITcfp
join ciqPeriodType PITcpt on PITcfp.periodTypeId = PITcpt.periodTypeId
join ciqFinInstance PITcfi on PITcfp.financialPeriodId = PITcfi.financialPeriodId
join ciqFinInstanceToCollection PITcfic on PITcfi.financialInstanceId =
PITcfic.financialInstanceId
join ciqFinCollection PITcfc on PITcfic.financialcollectionId = PITcfc.financialcollectionId
join ciqFinCollectionData PITcfcd on PITcfc.financialcollectionId =
PITcfcd.financialcollectionId
--Joining to the ciqCompany table in the Company Package to get the companyname (#1 above)
join ciqCompany BCcc on PITcfp.companyid = BCcc.companyid
--Joining to the ciqDataItem table in the Data Item Master Package to get the dataitemname (#2
above)
join ciqDataItem DIMcdi  on PITcfcd.dataitemid = DIMcdi.dataitemid
--Joining to the ciqCurrency table in the Company Package to get the currencyname (#3 above)
join ciqCurrency BCccu on PITcfc.currencyid = BCccu.currencyid
--Joining to the ciqExchangeRate table in the Exchange Rate Package to get the appropriate
currencyRateClose value to translate into USD (#4 above)
join ciqExchangeRate ERcer on (PITcfc.currencyId = ERcer.currencyid and PITcfi.periodenddate =
ERcer.pricingdate)
where PITcfp.companyid = '394038'
and PITcfp.latestPeriodFlag = '1'
and PITcfcd.dataitemId = '28'
and PITcfi.latestForFinancialPeriodFlag ='1'
and PITcfi.latestFilingForInstanceFlag = '1'
and PITcfp.periodtypeID = '2'
```

Sample Results

companyid	Company name	Period end date	Filing date	Fiscal Year	Period Type Name	Data itemid	Data item name	Data item value	currencyid	Currency name	Data item value USD
394038	Siemens AG	2009-09-30	2009-12-04	2009	Quarterly	28	Total Revenues	19714.000000	50	Euro	28827.9593478

Display reported currency and convert to target currency

The following query uses S&P Capital IQ Base Data Files linking to the S&P Capital IQ Estimates data set.

Sample Query

```
select ESTcep.companyid, ESTcep.periodEndDate, ESTcept.periodTypeName, ESTcec.tradingItemId,
ESTcend.dataItemId, ESTcend.dataItemValue, ESTcend.effectiveDate, ESTcend.todate,
ESTcend.currencyId
from ciqEstimatePeriod ESTcep
join ciqEstimatePeriodType ESTcept on ESTcep.periodTypeId = ESTcept.periodTypeId
join ciqEstimateConsensus ESTcec on ESTcep.estimatePeriodId = ESTcec.estimatePeriodId
join ciqEstimateNumericData ESTcend on ESTcec.estimateConsensusId = ESTcend.estimateConsensusId
--Specifying IBM using the Capital IQ CompanyID
where ESTcep.companyid='23021'
--Specifying EPS (GAAP) Mean Estimate using the dataItemID
and ESTcend.dataItemId = '100278'
--Specifying the Period Type for the Estimate
and ESTcept.periodTypeName = 'Annual'
--Specifying the Period End Date for the estimate
and ESTcep.periodEndDate = '3-31-2011'
--Setting the ToDate to '6-6-2079' which is the value used for the current estimate
and ESTcend.todate = '6-6-2079'
```

Sample Results

companyid	periodEndDate	periodTypeName	tradingItemId	dataItemId	dataItemValue	effectiveDate	todate	currencyId
23021	2011-03-31	Annual	2651319	100278	0.90000	2009-11-02	2079-06-06	160
23021	2011-03-31	Annual	20197843	100278	80.58600	2010-01-22	2079-06-06	79

Sample Query

To make the results easier to work with:

1. Add the name of the company that corresponds to the companyID.
2. Add the description for each of the tradingItemIDs, including the tickerSymbol and the exchange it trades on.
3. Add the name of the data item that corresponds to the dataItemID.
4. Add the name of the currency that corresponds to the currencyID.
5. Translate the data into Euro (using yesterday's exchange rate).

```
select ESTcep.companyid, BCcc.companyname, ESTcep.periodEndDate, ESTcept.periodTypeName,
ESTcec.tradingItemId, IEScti.tickerSymbol, IEScti.exchangeId,
BCce.exchangeName,ESTcend.dataItemId, DIMcdi.dataItemName, ESTcend.dataItemValue,
ESTcend.effectiveDate, ESTcend.todate, ESTcend.currencyId, BCccu1.currencyName,
ESTcend.dataItemValue * (ERcer2.currencyRateClose/ERcer1.currencyRateClose ) as
datatItemValueEUR
from ciqEstimatePeriod ESTcep
join ciqEstimatePeriodType ESTcept on ESTcep.periodTypeId = ESTcept.periodTypeId
join ciqEstimateConsensus ESTcec on ESTcep.estimatePeriodId = ESTcec.estimatePeriodId
join ciqEstimateNumericData ESTcend on ESTcec.estimateConsensusId = ESTcend.estimateConsensusId
--Joining to the ciqCompany table in the Company Package to get the companyname (#1 above)
join ciqCompany BCcc on ESTcep.companyid = BCcc.companyid
--Joining to the ciqTradingItem table in the Equity Security Package to get descriptive info on
each tradingItemID (#2 above)
join ciqTradingItem IEScti on ESTcec.tradingItemId = IEScti.tradingItemId
--Joining the ciqTradingItem table to the ciqExchange table in the Company Package to get the
Exchange name for each exchangeID
join ciqExchange BCce on IEScti.exchangeId = BCce.exchangeId
--Joining to the ciqDataItem table in the Data Item Master Package to get the dataitemname (#3
above)
join ciqDataItem DIMcdi on ESTcend.dataItemId = DIMcdi.dataItemId
--Joining to the ciqCurrency table in the Company Package to get the currencyname (#4 above)
join ciqCurrency BCccu1 on ESTcend.currencyId = BCccu1.currencyId
--Joining to the ciqExchangeRate table in the Exchange Rate Package to get the appropriate
currencyRateClose value to translate into USD (#5 above - first step)
join ciqExchangeRate ERcer1 on ESTcend.currencyId = ERcer1.currencyId
--Joining to the ciqExchangeRate table once more to get the exchange rate between Euro and USD
join ciqExchangeRate ERcer2 on ERcer1.pricingDate = ERcer2.pricingDate
--Joining the ciqExchangeRate table to the ciqCurrency table in the Company Package to get the
appropriate ERcer2.currencyId value
join ciqCurrency BCccu2 on ERcer2.currencyId = BCccu2.currencyId
where ESTcep.companyid='23021'
```

```
and ESTcend.dataItemId = '100278'
and ESTcept.periodTypeName = 'Annual'
and ESTcep.periodEndDate = '3-31-2011'
and ESTcend.todate = '6-6-2079'
and BCccu2.currencyname = 'Euro'
--Indicating that we want to use the latest exchange rates available
and ERcer1.latestFlag = '1'
```

Sample Results

companyid	companyname	periodEndDate	periodTypeName	tradingItemId	tickerSymbol	exchangeId	exchangeName	dataItemId	dataItemName	dataItemValue	effectiveDate	todate	currencyId	currencyName	datatItemValueEUR
23021	Sony Corporation	2011-03-31	Annual	2651319	SNE	106	New York Stock Exchange	100278	EPS (GAAP) (Consensus)	0.90000	2009-11-02	2079-06-06	160	US Dollar	0.636255
23021	Sony Corporation	2011-03-31	Annual	20197843	6758	46	The Tokyo Stock Exchange	100278	EPS (GAAP) (Consensus)	80.58600	2010-01-22	2079-06-06	79	Japanese Yen	0.632336

Identify corresponding S&P Capital IQ identifiers for an ISIN symbol

The example below shows how to create a query that identifies the corresponding S&P Capital IQ identifiers for ISIN = **JP3435000009**.

By running this query with tables from the Company package, you can see what the objectId field in the ciqSymbol table maps to for the ISIN SymbolTypeId:

Query A

1. Create and execute the query

```
select BCcst.symbolTypeId, BCcst.symbolTypeName, BCcot.objectTypeName
from ciqSymbolType BCcst
join ciqObjectType BCcot on BCcst.objectTypeId = BCcot.objectTypeId
where symboltypeName like '%ISIN%'
```

2. View the results

symbolTypeId	symbolTypeName	objectTypeName
14	ISIN	Security

We see that the ISIN symbolTypeId = ‘14’ and that it maps to a Security (hence, securityId equivalent). So we need to link this to the ciqSecurity table, which contains the list of SecurityIds.

Query B

1. Create and execute another query

```
select BCcc.companyId, BCcc.companyname, IEScs.securityId, IEScti.tradingitemId,
IEScti.exchangeId, BCce.exchangeName, HFcs.symbolvalue, HFcs.relatedcompanyId
--Bringing in the ciqCompany table from the Company package to obtain company-level descriptive
inf ormation.
from ciqCompany BCcc
--Bringing in the ciqSecurity table from the Equity Security package to obtain security-level
identifiers
join ciqSecurity IEScs on BCcc.companyId = IEScs.companyId
--Bringing in the ciqSymbol table (Helper File) in order to map between ISIN and the
corresponding Capital IQ identifiers
join ciqSymbol HFcs on IEScs.securityId = HFcs.objectid
```

```
--Bringing in the ciqTradingItem from the Equity Security package in order to get information
on specific tradingItemIds
join ciqTradingItem IEScti on IEScs.securityId = IEScti.securityId
--Bringing in the ciqExchange table from the Company package to get the description of the
exchangeId
join ciqExchange BCce on IEScti.exchangeId = BCce.exchangeId
--Indicating the symbolTypeId for ISIN
where HFcs.symboltypeId = '14'
--Specifying the ISIN value that we're looking for
and HFcs.symbolvalue = 'JP3435000009'
--Allows us to narrow down to the primary tradingItemId for this security
and IEScti.primaryflag = '1'
```

2. View the results

companyId	companyname	securityId	tradingitemId	exchangeId	exchangeName	symbolvalue	relatedcompanyId
23021	Sony Corporation	20073848	20197843	46	The Tokyo Stock Exchange	JP3435000009	23021

Note: the relatedCompanyId field in the ciqSymbol table indicates the ciqCompanyID for whatever symbolTypeId/symbolValue is used.

Query C

Now modify the above example to get the appropriate Capital IQ identifiers assuming we have a specific GVKEY (009818) and IID (90).
By running this query using tables from the Company package, we see what the GVKEY + Issue IID will map to a TradingItem (hence, tradingItemId).

1. Create and execute another query.

```
select BCcst.symbolTypeId, BCcst.symbolTypeName, BCcot.objectTypeName
from ciqSymbolType BCcst
join ciqObjectType BCcot on BCcst.objectTypeId = BCcot.objectTypeId
where symboltypeName like '%GVKEY%'
```

2. View the results

symbolTypeId	symbolTypeName	objectTypeName
65	**S&P GvKey + Issue ID**	**TradingItem**
69	S&P GVKey	Company

Query D

Mapping back to a TradingItemId using the GVKEY-IID combination requires using the ciqGVKEYIID table.

```
select BFcc.companyId, BFcc.companyname, IEScs.securityId, IEScti.tradingitemId,
IEScti.exchangeId, BFce.exchangeName, HFgi.gvkey, HFgi.iid, HFgi.relatedcompanyId
--Bringing in the ciqCompany table from the Company package to obtain company-level descriptive
information
from ciqCompany BFcc
--Bringing in the ciqSecurity table from the Equity Security package to obtain security-level
identifiers
join ciqSecurity IEScs on BFcc.companyId = IEScs.companyid
--Bringing in the ciqTradingItem from the Equity Security package to obtain information on
specific tradingItemIds
join ciqTradingItem IEScti on IEScs.securityId = IEScti.securityId
--Bringing in the ciqGVKEYIID table, which will identify the tradingItemID we need
join ciqGvkeyIID HFgi on IEScti.tradingItemId = HFgi.objectid
--Bringing in the ciqExchange table from the Company package to get the description of the
exchangeId
join ciqExchange BFce on IEScti.exchangeId = BFce.exchangeId
--Specifying the GVKEY that we're looking for
where HFgi.gvkey='009818'
--Specifying the Issue ID that we're looking for
and HFgi.iid = '90'
--Making sure we use the active version of the objectID (in this case, tradingItemId)
and HFgi.activeFlag = '1'
```

companyId	companyname	securityId	tradingitemId	exchangeId	exchangeName	gvkey	iid	relatedcompanyId
23021	Sony Corporation	2651318	2651319	106	New York Stock Exchange	009818	90	23021

In this case, we brought in the ADR version of Sony Corp.

Revision History

The changes made to this document include the following:

Version	Date	Changes
1.0	3/9/10	• Initial draft
1.1	3/18/10	• Multiple revisions
1.2	6/29/10	• New cover page • Addition of Document Overview chapter • Fixed Table 2 in the Symbol/Helper section - CUSIP was showing 2 times • GVKEY History corrected to GVKEY “Enhanced” History • Updated Security File Schemas as a result of the April release • Updated Equity Security File Schema as a result of the April release • Added examples of dataItemIds • Updated Data Item Master Schemas as a result of the April and June releases • Described six new text files in the Data Item Master feed available in April release • Provided examples of symbolTypeIds
1.3	8/27/10	• Updated for the new text files added to the Data Item Master feed as part of the June 2010 release

Version	Date	Changes
1.4	11/12/10	• Updated Data Item Master schemas reflecting relationships of new tables added in the June 2010 release • Added Data Item Bank Regulatory table section • Added the IndexTradingItemType table to Appendix C • Reporting Template Type name change from Brokerage to Capital Markets
1.5	4/29/11	• Updated Data Item Master and Security/Equity Security schemas to reflect the addition and relationships of new tables added in the November 2010 release • Revisions to Base File Names (Company, Security and Equity Security Files)
1.6	5/11/12	• Minor cosmetic revisions
1.7	6/27/12	• Updated with new Branding
1.8	11/29/2012	• Added new chapter for Company Foundation File • Added new chapter for Issuer File
1.9	11/29/2012	• Updated Company Foundation schema to reflect correct column name of reportingTemplateTypeId • Updated Company Foundation and Company File schemas to reflect correct file name of SymbolType.txt • Corrected IssuerId field to reflect int rather than tinyint
2.0	12/10/2012	• Provided definition for activeFlag in ciqObjectRel table • Included purpose of ciqObjectRelType table
2.1	12/10/2012	• Updated information for ciqIssuer table
2.2	12/18/2012	• Updated Issuer schema, tables and chapter
2.3	02/25/2013	• Minor cosmetic changes
2.4	02/27/2013	• Minor cosmetic changes
2.5	09/24/2013	• Corrected definitions for fields in ciqObjectRel table • Updated with current logo
2.6	3/27/2014	• Corrected definition for simpleIndustryId in the ciqCompany table (Company Foundation File) • Updated disclaimer on inside front cover page
2.7	4/1/2014	• Updated ciqSimpleIndustry reference data
2.8	5/14/2014	• Updated information on ciqSymbol table
2.9	7/9/2014	• Added description for Company Foundation Plus file • Issuer File name updated to Issuer Foundation Plus file • Added ciqSecuritySubType descriptions for private companies with public debt
3.0	8/14/2014	• Added names and descriptions of ciqReportingTemplateTypes in the Company Foundation and Company chapters. • Added clarifying language about sample queries

Version	Date	Changes
3.1	9/2/2014	• Added chapters for Security Foundation and Foundation Reference Files • Revised schemas for Company Foundation and Security/Equity Security Files
3.2	10/13/2014	• Added clarifying information and query for ciqDataItemEstimate table
3.3	05/06/2015	• Added information for the GVKEYIID Enhanced Span V2 file
3.4	6/16/2015	• Added clarifying language in the Symbol Helper chapter for the *relatedCompanyId* field in the **ciqSymbol** and **ciqSymbolMapping** tables.
3.5	04/14/2016	• Revised language describing Issuer Foundation Plus package • Added refUSCFICodeType table in Foundation Reference Files as part of Foundation Reference File V2 release. • Updated description for objectId in ciqGvkeyIID Enhanced History File
3.6	05/09/2016	• Description of **ciqDataItemPIT** table was revised from: "The **ciqDataItemPIT** (Point-In-Time) table supports a new S&P Capital IQ point in time data set that is currently being developed." It is now "The **ciqDataItemPIT** (Point-In-Time) table does not contain data that relates to any active packages."
3.7	06/03/2016	• Updated Issuer Foundation Plus schema and Issuer table to reflect the field "domicileCountryId" rather than "issuerDomicileCountryId"
3.8	06/08/2016	• Updated Foundation Reference File schema and refCFICodeType table. Previously showed table name as "refCFICode" and file name as "CFICode."
3.9	06/29/2016	• Updated definition for *issuerCountryId* to "Incorporation country for the Issuer." Previously, it was "Incorporation country of the Entity headquarters for the Issuer."
4.0	08/18/2016	• Removed *symbolTypeName* TF Ibes Ticker (*symbolTypeId 864*) from the Symbol Types table.
4.1	02/01/2017	• Added chapter for Exchange Rates V2