

CRSP/COMPUSTAT RELEASE NOTES

APRIL 2019 QUARTERLY UPDATE

ABOUT THE APRIL 2019 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is 20190413. This shipment includes the following version of the CRSP/Compustat Merged Database:

- CMZ20190412– the CCM format database using Compustat’s Xpressfeed delivery.

DATABASE CHARACTERISTICS

The following table summarizes general characteristics of the CCM database.

ATTRIBUTE	CCM FORMAT DATABASE
Source	Compustat Xpressfeed
Volume Label	CMZyyyyymm
Size	11.14 GB
Delivery	MOVEit Cloud
CRSPAccess version	3.22 and higher – ts_print ccm_print
CRSPSift Version (Windows only)	Yes – all currently supported versions.
SASEXCCM Engine	Version 9.3 (Early Adopters)
C	Yes – CA3.22 and higher
Number of Data Items	Over 4,000 quarterly & annual data items

PROGRAMMERS

C-programming is supported with all CRSPAccess versions. C sample programs are included for use with the Xpressfeed data.

FORTRAN-95 continues to be supported in CRSPAccess. Information about usage are available in the CRSPAccess Utilities and Program Libraries Release Notes and the Programming Guide, which can be accessed online at: <http://www.crsp.ChicagoBooth.edu/documentation>.

A SAS Engine that supports the CCM data was released to early adopters in SAS Version 9.3. Since their first maintenance release of SAS version 9.40, the SASEXCCM engine is in full production. The most current ETS release in the field, ETS 13.1 is needed to use the engine. Note that the original SASECRSP engine is still in the field but does not have support for the CCM database.

PARAMETERS

CMZ QUARTERLY	
Total Compustat Records	49,339
Total GVKEY Companies	47,141
Total GVKEYX Indexes	2,198
Total GVKEY/IID Securities	60,670
Total CRSP Securities Linked	29,508
Total GVKEYs in Link	47,091
Total Link Records	104,120
Total Link Records with a Link to CRSP	34,254
Database Size	11.14GB

CALENDARS

The CCM database utilizes the CRSP stock calendars to align properly with CRSP data. Data in the CRSP daily Stock (and Indexes) file use daily and annual calendars. Data in the monthly files use monthly, quarterly and annual calendars.

CALENDAR	DATE RANGE	DATE INDEX RANGE
Daily trading calendar	19251231-20190412	1-24612
Monthly trading calendar	19251231-20231231	1-1177
Annual trading calendar	19251231-20201231	1-96
Quarterly trading calendar	19251231-20191231	1-381
Semi-Annual trading calendar	19251231-20191231	1-191
Weekly trading calendar	19260102-20190412	1-4862

UPCOMING CHANGES IN APRIL!

CRSP is preparing to provide additional access to our subscribers for the CRSP\Compustat Merged Database (CCM) in SAS and ASCII file formats. These new formats will be available for general release in the next few months.

Effective with the April release of the CRSP\Compustat Database, the development of these new formats will have minimal impact on the current access to the existing CCM database. There are no changes at all to access through the CCM database through in tsQuery and ts_print.

Changes that are reflected in the current CCMQuery module of Sift are outlined here:

Tree View and table organization:

- Two large groups, Annual Balance Sheet and Annual Income Statement, remain in the Sift tree view to allow for backward compatibility. In addition to these two original groups, each has been split into two more manageable groups:
 - Balance Sheet Annual is renamed “BalSheet All Annual”, and new groups “BalSheet Industrial Ann” and “BalSheet Financial Ann” have been created.
 - Income Statement Annual is renamed “IncStmt All Annual”, and new groups “IncStmt Industrial Ann” and “IncStmt Financial Ann” have been created.
- New groups: The items in these new groups were previously part of the various financial statement groups and were accessed via GVKEYX:
 - Annual Data – group Index Annual is new. Annual time series items available for indexes populate this group and are now prefixed with IDX_*
 - Quarterly Data – group Index Quarterly is new. Quarterly time series items available for indexes populate this group and are now prefixed with IDX_*
- Item Name Changes:
 - Three items in the Security Data -> Time Series group have been renamed to include a prefix “sec_”
 - sec_curcdq – ISO Currency Code
 - sec_nisa – Net Income (Loss)
 - sec_nisa_dc – Net Income (Loss) Data Code
 - Index Annual and Index Quarterly groups contain items all include a prefix “idx_”. See New Groups above.

Do not hesitate to contact support@crsp.chicagobooth.edu or call 312-263-6400 Option 2 for support and assistance.

APRIL 2019 NEW DATA ITEMS

Listed in the table below are new data items and new keysets for existing data items that have been added this month.

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
HFOPS_FN	Outpatient services as % of Rev Footnote	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
HFOPSQ_FN	Outpatient services as % of Rev Footnote	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
HFOPSY_FN	Outpatient services as % of Rev Footnote	1	STD	Industrial Format, Consolidated Information, Standardized Presentation
INVOFS_DC	Inventory/Stock - Other Data Code	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation
RVUPI_FN	Reserves for Unearned Premiums (Insurance) Footnote	4	FS	Financial Services Format, Consolidated Information, Standardized Presentation

APRIL 2019 LINK EDITS

GVKEY 126296 EXPEDIA GROUP INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19991109	0	0	00X	NR	C
20050729	99999999	90808	47013	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970701	19991109	0	0	00X	NR	C
19991110	20030808	87388	17323	01	LC	P
20050729	99999999	90808	47013	02	LC	P

GVKEY 16476 LEVI STRAUSS & CO

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710330	0	0	00X	NU	C
19710331	19710523	0	0	01	NU	P
19710524	19850830	52564	25260	01	LU	P
19850831	19850831	0	0	01	NU	P
19860401	99999999	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19701001	19710330	0	0	00X	NR	C
19710331	19710523	0	0	01	NR	P
19710524	19850830	52564	25260	01	LC	P
20190321	99999999	18424	25260	03	LC	P

GVKEY 180937 TARONIS TECHNOLOGIES

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20081030	0	0	00X	NR	C
20081031	20120814	0	0	01	NR	P
20120815	20190228	13556	54166	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20070101	20081030	0	0	00X	NR	C
20081031	20120814	0	0	01	NR	P
20120815	99999999	13556	54166	01	LC	P

MARCH 2019 LINK EDITS

GVKEY 142606 PLATINUM GROUP METALS LTD

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040528	20070627	0	0	01	NR	P
20070628	20190111	92131	52405	01	LC	P
20010330	20040527	0	0	01C	NR	C
20040528	20070627	0	0	01C	NR	N
20070628	99999999	92131	52405	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040528	20070627	0	0	01	NR	P
20070628	99999999	92131	52405	01	LC	P
20010330	20040527	0	0	01C	NR	C
20040528	20070627	0	0	01C	NR	N
20070628	99999999	92131	52405	01C	LX	N

GVKEY 34078 IMMUNE BIO INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
0	0	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190204	99999999	18406	56651	01	LC	P

GVKEY 34382 AVALON GLOBOCARE CORP

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
0	0	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20161130	20181104	0	0	01	NR	P
20181105	99999999	18253	56585	01	LC	P

GVKEY 19350 ECO-STIM ENERGY SOLUTIONS

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20131230	0	0	00X	NR	C
20131231	20150409	0	0	01	NR	P
20150410	99999999	15290	55228	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20120101	20131230	0	0	00X	NR	C
20131231	20150409	0	0	01	NR	P
20150410	20181231	15290	55228	01	LC	P
20190101	99999999	0	0	01	NR	P

FEBRUARY 2019 NEW DATA ITEMS

Listed in the table below are new data items and new keysets for existing data items that have been added this month.

ITEM MNEMONIC	ITEM NAME	KEYSET	KEYSET_TAG	DESCRIPTION
CSHOPQ_FN	Total Shares Repurchased - Quarter Footnote	1	STD	Industrial Format, Consolidated Information, Standardized Presentation

FEBRUARY 2019 LINK EDITS**GVKEY 34240 ALBERTON ACQUISITION****OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181031	20181031	0	0	01	NR	P
20181101	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181031	20181031	0	0	01	NR	P
20181101	20181120	0	0	01	NR	C
20181121	99999999	0	0	01	NR	N
20181121	99999999	18249	56554	02	LC	P

GVKEY 34003 MDJM LTD**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
0	0	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20190108	99999999	18364	56627	01	LC	P

GVKEY 34413 WEIDAI LTD -ADR**OLD:**

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181130	99999999	0	0	90	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20181115	99999999	18326	56582	90	LC	P

GVKEY 3918 DRS TECHNOLOGIES INC

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790401	19810122	0	0	00X	NR	C
19820129	19960331	0	0	01	NR	P
19960401	19960430	0	0	01	NR	J
19830729	19960329	0	0	02	NR	J
19810123	19820128	65226	1387	03	LC	C
19820129	19821231	65226	1387	03	LC	N
19830101	19960331	65226	1387	03	LN	N
19960401	19980331	65226	1387	03	LN	P
19980401	20081021	65226	1387	03	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790401	19810122	0	0	00X	NR	C
19820129	19960331	65226	1387	01	LC	P
19960401	19960401	65226	1387	01	LC	J
19830722	19960329	65234	1387	02	LC	J
19810123	19820128	65226	1387	03	LC	C
19820129	19821231	65226	1387	03	LD	N
19830101	19960331	0	0	03	NR	N
19960401	19960401	0	0	03	NR	P
19960402	20081021	65226	1387	03	LC	P

STEPS TO INSTALL:

- From the directory containing your downloaded zip file, right click (in Windows) or run File Roller (in Red Hat)
- Set the extract destination to the current higher level directory where data is normally stored and unzip will add the rest of the path (default is C:\ in Windows or /home in Red Hat)
- For example, in Windows, extracting to C:\ will install the data under C:\crspdata

Contact CRSP Client Services for assistance at: support@crsp.chicagobooth.edu or call 312-263-6400, Option 2.

SETTING ENVIRONMENT VARIABLES

The zip process will not automatically set environment variables for use with command line tools. The following steps will do so.

NOTE: CRSPSift does not use and therefore does not require environment variables.

LINUX

NOTE: The new zip installs are now saving to directories with lower case letters – for example, ~/crspdata/diz201308

Check the current state of the environment variables by entering this command: `env | grep crsp`

- If you have admin privileges on your machine, open the .profile file, and make updates to the following lines to update the paths for the new data installed:
 - `CRSP_CCM=<full path name>/<compustat directory>` (example: `CRSP_CCM=~/.crspdata/cmz201309`)

- If you are using the bash shell (or any Bourne-style shell), enter the same commands above and export each one. This will make changes for your current session only and does not save to the .profile file.
- A shell script is available to make changes that can be reused for each update done. Note that this will only make changes to your current session and does not save to the .profile file.
 - Navigate to where the CUPL tools are loaded and then enter: `cd accbin`
 - Start the script by entering: `./crsp_setup.sh`
 - The script will prompt for the following:
 - File name (*will be appended with .kshrc*)
 - Top level directory (this should be where CUPL tools are located (example: `~/crsp`)
 - Scratch directory for error messages – name can be anything
 - Enter path for daily stock directory (*example: `~/crspdata/diz201308`*)
 - Enter path for monthly stock directory (*example: `~/crspdata/miz201308`*)
 - Enter path for index directory (*example: `~/crspdata/ifz201308`*)
 - Enter path for CCM directory – enter to leave blank (*example: `CRSP_CCM=~/crspdata/cmz201309`*)
 - Enter path for CST directory – enter to leave blank
 - Execute script by running: `../<file name created above>.kshrc` (*note there is a space between the two dots*)

WINDOWS:

The CRSP Client Environment utility provides users a way to check the location of the software and to set environment variables. The utility can be started by locating it under installed programs CRSPAccess/CRSP Client Environment, or by navigating to the / accbin folder where the CUPL tools are installed and running: `Client_Environment.exe` . After making any changes, be sure to log off and back into Windows for the settings to be saved.