

CRSP U.S. STOCK & INDEX RELEASE NOTES

APRIL 2024 MONTHLY UPDATE

These release notes pertain to the April 2024 Monthly release of the CRSP US Stock and Index databases, available in May 2024.

IMPORTANT NOTICE !

As communicated in previous release notes, CRSP is migrating to a new back office. This requires that all subscribers migrate to using the Flat File Format 2.0 (CIZ) data files prior to December 2024. Until that time, subscribers who utilize Ipswitch MOVEit Transfer will continue to have access to both Flat File Format 1.0 (SIZ), as well as Legacy (FIZ) data files.

Beginning with the December 2024 data cut, CRSP will only release the Flat File Format 2.0 (CIZ) files from the new back office. Other formats of data will no longer be provided.

Please review the content below for additional details regarding folder structure in Ipswitch MOVEit.

Note: To give subscribers sufficient time to migrate to the new Flat File Format 2.0 (CIZ) of CRSP's US Stock and Stock with Indexes databases, CRSP will continue to provide the CRSPAccess files from both the legacy and new back offices for several months. Beginning with the December 2024 data cut (to be released in January 2025), CRSP will only release the CIZ files from the new back office. Flat File Format 1.0 (SIZ) and CRSPAccess files are scheduled to be permanently sunset.

FOLDER STRUCTURE CHANGE FOR STOCK AND INDEXES DATABASES

Subscribers who utilize Ipswitch MOVEit Transfer to retrieve files will only see the Stock and Indexes Database Flat File Format 1.0 (SIZ) folder that contains data files generated from CRSP's new back office. The folder reflects the following structure:

- INDICES_SO_format_period*
- STOCK_25_SA_format_period
- STOCK_25i_SI_format_period
- STOCK_62_S6_format_period
- STOCK_62i_SX_format_period

*Note: format = ASCII, R, SAS and period = Monthly, Quarterly, Annual

STOCK AND INDEXES DATABASE FLAT FILE FORMAT 2.0 (CIZ) UPDATE

SIZ files generated from CRSP's new back office will continue to be available to subscribers until December 2024 at which time all subscribers must be migrated to the Stock and Indexes Database Flat File Format 2.0 (CIZ) files, which were made available in summer 2022.

Please contact your Client Services support representative at support@crsp.org with questions and if you have not already done so, the preferred file format for your institution: SAS, ASCII, or R. Subscribers will be provided with ASCII format by default.

FOLDER STRUCTURE CHANGE FOR CRSPACCESS

CRSP will release the CRSPAccess files from both the legacy back office and new back office through the November 2024 data cut. Beginning with the December 2024 data cut (released in January 2025), CRSPAccess files will no longer be available. Please plan to migrate to the Flat File Format 2.0 (CIZ) prior to December 2024, as CIZ will be the sole source of CRSP US Stock and Index data moving forward.

The CRSPAccess files in the legacy back office can be found in the following MOVEit location (/Product_Downloads/):

- Index_Only_MTHSUB
 - STOCK_1925_MTHSUB
 - STOCK_1962_MTHSUB
 - STOCK_Index_1925_MTHSUB
-

- STOCK_Index_1962_MTHSUB

The CRSPAccess files in the new back office can be found in the following MOVEit location (/Product_Downloads/):

- STOCK_25_SA_CADB_period*
- STOCK_25i_SI_CADB_period
- STOCK_62_S6_CADB_period
- STOCK_62i_SX_CADB_period

*Note: period = Monthly, Quarterly, Annual

Please note the following legacy CRSPAccess files (inzyyyyymm, ifzyyyyymm) are being replaced by these new back office CRSPAccess files (cnzyyyyymm, cozyyyyymm).

Please see summary of key differences:

1. ifzyyyyymm.zip is removed from CRSPAccess new back office collection. There will no longer be a stand alone “CRSP US Index File”. The index information can be found in cozyyyyymm or cnzyyyyymm subfolders.
2. ifzyyyyymm subfolder does not exist in CRSPAccess new back office and is being replaced by the cozyyyyymm in the fizzyyyyymm or axzyyyyymm files.
3. inzyyyyymm subfolder does not exist in CRSPAccess new back office and is being replaced by the cnzyyyyymm in the fazzyyyyymm file or a6zyyyyymm files

Contact your Client Services support representative at support@crsp.org with any questions .

SUMMARY OF KEY DIFFERENCES BETWEEN LEGACY AND NEW BACK OFFICE

ZIP FILE	PRODUCT NAME	LEGACY PRODUCT CODES	NEW BACK OFFICE PRODUCT CODES	PRODUCT COMPONENTS	LEGACY DIRECTORY NAME	NEW BACK OFFICE DIRECTORY NAME	FILES NOT IN THE NEW BACK OFFICE
AXZYYYYMM_CADB.ZIP	CRSP 1962 US STOCK & INDEXES DATABASE	DX	DX	CRSP 1962 DAILY US STOCK & INDEXES	DXZYYYYMM	DXZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		MX	MX	CRSP 1962 MONTHLY US STOCK & INDEXES	MXZYYYYMM	MXZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		IF	CO	CRSP 1925 US INDEX FILES	IFZYYYYMM	COZYYYYMM	REPLACES IFZYYYYMM
A6ZYYYYMM_CADB.ZIP	CRSP 1962 US STOCK DATABASE	D6	D6	CRSP 1962 DAILY US STOCK	D6ZYYYYMM	D6ZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		M6	M6	CRSP 1962 MONTHLY US STOCK	M6ZYYYYMM	M6ZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		IN	CN	CRSP LIMITED US INDEXES	INZYYYYMM	CNZYYYYMM	REPLACES INZYYYYMM

		DA	DA	CRSP 1925 DAILY US STOCK	DAZYYYYMM	DAZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
FAZYYYYMM_ CADB.ZIP	CRSP 1925 US STOCK DATABASE	MA	MA	CRSP 1925 MONTHLY US STOCK	MAZYYYYMM	MAZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		IN	CN	CRSP LIMITED US INDEXES	INZYYYYMM	CNZYYYYMM	REPLACES INZYYYYMM
FIZYYYYMM_ CADB.ZIP	CRSP 1925 US STOCK & INDEXES DATABASE	DI	DI	CRSP 1925 DAILY US STOCK & INDEXES	DIZYYYYMM	DIZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		MI	MI	CRSP 1925 MONTHLY US STOCK & INDEXES	MIZYYYYMM	MIZYYYYMM	CRSP_ADDRS.BIN CRSP_CA_REF_2.BIN CRSP_CONFIG.BIN CRSP_FREEL.BIN CRSP_INDFL.BIN
		IF	CO	CRSP 1925 US INDEX FILES	IFZYYYYMM	COZYYYYMM	REPLACES IFZYYYYMM
IFZYYYYMM.ZIP	CRSP 1925 US INDEX FILES	IFZYYYYMM HAS BEEN REPLACED BY COZYYYYMM					

Please note that the legacy files contain the .sas, .dat, and .xlsx file formats, whereas the new back office files contain only the .dat formats.

The tables below contain the subset of the IFZ files and illustrate these format differences.

DIFFERENCES BETWEEN IFZ AND COZ

IFZ	COZ
acti.dat	cselect5yr.dat
acti.sas7bdat	cselect20yr.dat
acti.xlsx	cselect90d.dat
asia.dat	IndDlySeriesData.dat
asia.sas7bdat	IndFamilyInfoHdr.dat
asia.xlsx	IndissRebalanceSummary.dat
asib.dat	IndMthSeriesData.cat
asib.sas7bdat	IndSecRebalanceSummary.dat
asib.xlsx	IndSeriesinfoHdr.dat
asic.dat	MetaCalendarPeriod.dat
asic.sas7bdat	MetaColumnCoverage.dat
asic.xlsx	MetaColumnInfo.dat
asio.dat	MetaExchangeCalendar.dat
asio.sas7bdat	MetaFileInfo.dat
asio.xlsx	MetaFlagCoverage.dat
asix.dat	MetaFlaginfo.dat
asix.sas7bdat	MetaFlagType.dat
asix.xlsx	Metalteminfo.dat
cselect5yr.dat	MetaSIZtoCIZ.dat
cselect20yr.dat	
cselect90d.dat	
dsbc.dat	
dsbc.sas7bdat	

DIFFERENCES BETWEEN INZ AND CNZ

INZ	CNZ
dsiy.dat	cselect5yr.dat
dsiy.sas7bdat	cselect20yr.dat
dsiy.xlsx	cselect90d.dat
msiy.dat	IndDlySeriesData.dat
msiy.sas7bdat	IndFamilyInfoHdr.dat
msiy.xlsx	IndMthSeriesData.dat
tempxxxxmrj.mrj105532	IndSeriesInfoHdr.dat
	MetaCalendarPeriod.dat
	MetaColumnCoverage.dat
	MetaColumnInfo.dat
	MetaExchangeCalendar.dat
	MetaFileInfo.dat
	MetaFlagCoverage.dat
	MetaFlagInfo.dat
	MetaFlagType.dat
	Metalteminfo.dat
	MetaSIZtoCIZ.dat
	Metalteminfo.dat
	MetaSIZtoCIZ.dat

NEW! CRSPMI 2013 HISTORICAL INDEXES RESEARCH DATABASE

CRSP is excited to announce a new research data product that was made available with the 202309 quarterly data cut released in October. This product is initially being offered at no charge through October 31, 2024 to existing academic and government subscribers of both CRSP’s 1925 US Stock & 1925 US Indexes Databases. Data is available quarterly, with a one month lag.

The **CRSPMI 2013 Historical Indexes** database provides day-by-day index levels, opening and closing constituents, and pro forma data from CRSP’s suite of investable Market Indexes from 2013 to present day.

Please email subscriptions@crsp.org if your institution subscribes to or would like to subscribe to both the 1925 US Stock and 1925 US Indexes databases in order to obtain a no-charge data license agreement to access this new dataset.

NEW FIELDS IN FLAT FILE FORMAT 2.0 (CIZ) STOCK AND INDEX PRODUCTS WITH 202309 DATA CUT

Starting with the 202309 data cut, the Flat File Format 2.0 (CIZ) Stock and Index files reflect the following changes:

UES SECTOR CLASSIFICATION

A new column named “UESIndustry” has been added to the four following CIZ files, positioned next to the “ICBIndustry” column: StkSecurityInfoHist, StkSecurityInfoHdr, StkIssuerInfoHist, & StkIssuerInfoHdr.

DISAMOUNTSOURCE TYPE

A new DisAmountSourceType field is available to subscribers in the CIZ.StkDistributions file. The new column called DisAmountSourceType is at the end of the file. This field describes the amount source type code of the distribution and address the issue where subscribers were unable to differentiate between various codes.

FILE VERSION SPECIFICS

This table contains version specific information for the CRSP Stock Files with data ending April 2024. It contains the number of securities and information about the maximums of the event arrays.

DATA FREQUENCY	# OF SECURITIES	MAX NAMES	MAX DIST	MAX SHARES	MAX DELISTS	MAX GROUPS	MAX NASDIN	FIRST PERMNO	LAST PERMNO
DAILY	38074	28	1538	4786	1	4	2979	10000	93436
MONTHLY	38045	28	1538	4786	1	4	2979	10000	93436

CALENDAR	DATE RANGE	DATE INDEX RANGE
DAILY TRADING CALENDAR	19251231-20240430	1-25882
MONTH-END TRADING CALENDAR	19251231-20240430	1-1181
YEAR-END TRADING CALENDAR	19251231-20251231	1-101
QUARTER-END TRADING CALENDAR	19251231-20251231	1-401
WEEKLY TRADING CALENDAR	19260102-20240430	1-5131

APRIL 2024 DATA EDITS

INDIVIDUAL EDITS

PERMNO	COMNAM	DESC
14888	ALIBABA GROUP HOLDING LTD	ADDED NEW SHARES OUTSTANDING VALUES ON DATES 20150331, 20160331, 20170331, 20180331, 20190331, 20200702, 20210722, 20220715 & 20230712
24436	PROSHARES TRUST	CHANGED PERMCO TO 50846 FROM 59686 FOR ENTIRE HISTORY
24437	PROSHARES TRUST	CHANGED PERMCO TO 50846 FROM 59686 FOR ENTIRE HISTORY
24438	PROSHARES TRUST	CHANGED PERMCO TO 50846 FROM 59686 FOR ENTIRE HISTORY
24526	PROSHARES TRUST	CHANGED PERMCO TO 50846 FROM 59686 FOR ENTIRE HISTORY
14232	VOXELJET AG	ADDED NEXT DATE 20240404 AND NEXT PRICE OF \$1.00 TO DELIST ARRAY ON 20240322
23048	RELATIVITY ACQUISITION CORP	REMOVED HALT AND CHANGED ENDDT TO 20230111
83656	AVADEL PHARMACEUTICALS PLC	CHANGED NASDAQ ISSUE IDENTIFIER TO 99995083 FROM 19734 FOR ENTIRE HISTORY

CRSPACCESS PRODUCT INFORMATION

To simplify installation for our subscribers, data are bundled into product groups. Information relevant to each product group is listed in the table below.

PRODUCT NAME	DATABASE	SIZE	INDEXES	PORTFOLIOS	COMPONENTS & DESCRIPTION
CRSP 1925 US STOCK AND INDEX DATABASE	FIZYYYYMM SIZYYYYMM (R/SAS/ASCII)	4.1 GB	ALL CRSP INDEXES AND PORTFOLIO ASSIGNMENTS	ALL PORTFOLIOS	DI - 1925 DAILY US STOCK & INDEX DATABASE MI - 1925 MONTHLY US STOCK & INDEX DATABASE IF - CRSP SUPPLEMENTAL US INDEXES
CRSP 1925 US STOCK	FAZYYYYMM SAZYYYYMM (R/SAS/ASCII)	3.7 GB	CRSP NYSE/ AMEX/ NASDAQ VALUE-WEIGHTED MARKET, CRSP NYSE/ AMEX/ NASDAQ EQUAL-WEIGHTED MARKET, S&P 500 COMPOSITE, NASDAQ COMPOSITE		DA - 1925 DAILY US STOCK MA - 1925 MONTHLY US STOCK IN - CRSP LIMITED US INDEXES
CRSP 1962 US STOCK	A6ZYYYYMM S6ZYYYYMM (SAS/ASCII)	3.3 GB	CRSP NYSE/ AMEX/ NASDAQ VALUE-WEIGHTED MARKET, CRSP NYSE/ AMEX/ NASDAQ EQUAL-WEIGHTED MARKET, S&P 500 COMPOSITE, NASDAQ COMPOSITE		D6 - 1962 DAILY US STOCK M6 - 1962 MONTHLY US STOCK IN - CRSP LIMITED US INDEXES
CRSP 1962 US STOCK AND INDEX DATABASE	AXZYYYYMM SXZYYYYMM (R/SAS/ASCII)	3.6 GB	SEE FIZ	ALL PORTFOLIOS	DX - 1962 DAILY US STOCK & INDEX DATABASE MX - 1962 MONTHLY US STOCK & INDEX DATABASE IF - CRSP SUPPLEMENTAL US INDEXES
CRSP 1925 US INDEXES	SFZYYYYMM	122 MB			IF - CRSP SUPPLEMENTAL US INDEXES
CRSP 10	STZYYYYMM	121KB	ROLLING 10-YEAR WINDOW OF US STOCK DATA		MONTHLY DATA - ROLLING 10 YEARS
CRSP/COMPUSTAT MERGED DATABASE	CMZYYYYMM CFZYYYYMM (FULL PRODUCT) CLZYYYYMM (LINK PRODUCT) (R/SAS/ASCII)	10.37 GB			CM - COMPUSTAT DATA FORMATTED IN CRSPACCESS DATABASE
DAILY & MONTHLY TREASURIES IN CRSPSIFT	TRZYYYYMM	278 MB			TR - DATABASE FORMAT FOR USE WITH CRSPSIFT
DAILY & MONTHLY TREASURIES FILES	TFZYYYYMM	1.75 GB			TF - EXPANDED DAILY AND MONTHLY FILES IN EXCEL, SAS, AND ASCII FORMATS
MUTUAL FUND DATABASE	MFZYYYYMM	10 GB			MF - MUTUAL FUNDS
CRSP/ZIMAN DAILY & MONTHLY REIT	RAZYYYYMM	251 MB			RD - DAILY REITS RM - MONTHLY REITS

DELIVERY METHOD, INSTALLS, AND DATA FORMATS

DELIVERY

CRSP data delivery for all products is available only through the Cloud, utilizing IPSwitch's MOVEit Cloud product. (<https://crsp.moveitcloud.com>)

If you have not yet accessed your account, or need assistance, contact support@crsp.org, or call 312-263-6400, Option 2.

While DVDs are no longer available from CRSP, you are welcome to create your own once you have downloaded the data, and use as long as you have an active license to do so.

ZIP INSTALLS

CRSP uses a zip process for data installation. ZIP utilities that are standard on all platforms should work to unzip the databases. On Windows computers, CRSP recommends using 7-ZIP, which can be downloaded from this site: <https://www.7-zip.org>.

Several important items to note follow:

- All directories are extracted to lower case letters. For example: C:\crspdata\miz201308
- All Windows Users: Extracting a zipped file does not create an installed program in Windows. It will not show in the Windows Control Panel. When uninstalling the data, just delete the directories that contain the detailed files
- Red Hat Linux Users: If your version of Red Hat is earlier than 6.0, you will need to install an updated version of the “File Roller” program in order to install the data

ZIP FILE STRUCTURE AND PROCESS

WINDOWS 7/XP PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	FILE NAME
A6Z1_YYYYMM_SLD	CRSP 1962 US STOCK	A6ZYYYYMM_CADB.ZIP
AXZ1_YYYYMM_SLD	CRSP 1962 US STOCK AND INDEX	AXZYYYYMM_CADB.ZIP
FAZ1_YYYYMM_SLD	CRSP 1925 US STOCK	FAZYYYYMM_CADB.ZIP
FIZ1_YYYYMM_SLD	CRSP 1925 US STOCK AND INDEX	FIZYYYYMM_CADB.ZIP

RED HAT LINUX PRODUCTS:

PRODUCT LABEL	PRODUCT NAME	FILE NAME
A6Z1_YYYYMM_SLD	CRSP 1962 US STOCK	A6ZYYYYMM_CADB.ZIP
AXZ1_YYYYMM_SLD	CRSP 1962 US STOCK AND INDEX	AXZYYYYMM_CADB.ZIP
FAZ1_YYYYMM_SLD	CRSP 1925 US STOCK	FAZYYYYMM_CADB.ZIP
FIZ1_YYYYMM_SLD	CRSP 1925 US STOCK AND INDEX	FIZYYYYMM_CADB.ZIP

FLAT FILE PRODUCTS:

PRODUCT NAME	FILE NAME
SAS ZIP	S*ZYYYYMM_SAS.ZIP
ASCII ZIP	S*ZYYYYMM_ASCII.ZIP
R ZIP	S*ZYYYYMM_R.ZIP

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_DSTK=<full path name>/<daily stock directory>` (example: `CRSP_DSTK=~ /crspdata/diz201308`)
 - `CRSP_MSTK==<full path name>/<monthly stock directory>` (example: `CRSP_MSTK=~ /crspdata/miz201308`)

- CRSP_IND=<full path name>/<index directory> (example: CRSP_IND=~/`crspdata/ifz201308`)
- 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 CCM directory – enter to leave blank
 - 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` (screen shot is displayed below). After making any changes, be sure to log off and back into Windows for the settings to be saved.

Note: For subscribers of the CRSP Compustat Merged database, additional CCM database environments will be displayed for the location of the Compustat data.