

charles
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Advisor Services

Conversion Guide: TD Ameritrade to Schwab







For direct integrators

***Updated July 2023**

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Conversion Guide: TD Ameritrade Institutional Veo One®/ Veo Open Access® to Schwab

The Schwab and TD Ameritrade Institutional (TDAI) integration offerings are very similar, and we're in the process of combining the best of both platforms. By adding key TDAI integration components to the current Schwab integration infrastructure, we can minimize loss of functionality for our mutual clients prior to their accounts and firms converting to the Schwab platform ("Account Conversion"). **Account Conversion is scheduled to take place over Labor Day weekend, September 2–4, 2023.**

This guide helps you plan a seamless integration experience. It's organized by integration offering and is intended to walk you through Account Conversion, including specific checklists for converting data files and application programming interface (API)/single sign-on (SSO) integrations.







Conversion Guide: TDAI to Schwab

Key considerations

- Over conversion weekend (September 2–4, 2023), if you store these data points within your systems, **you must convert account numbers, rep codes, and select security identifiers** from the TDAI to Schwab format, as well as **manage residual transactions** originating from the TDAI platform for up to 90 days post conversion. Transfers out of the TDAI accounts and transfers into the Schwab accounts will not be included in the daily data feeds so that account histories remain intact. We will provide cross-reference files to assist with the required conversion of account numbers, rep codes, and security identifiers. Starting September 5, 2023, you will solely leverage the Schwab file feeds and APIs for all integration needs.
- All Veo One direct integrations will no longer function after Account Conversion except for data files containing trailing (“residual”) transactions, which will remain functional for up to 90 days. In addition, to align with freezes of certain account functions on the Veo One platform, several Veo One APIs will cease to function **prior** to Account Conversion, meaning they will fail when launched from your platform, including:
 - August 18 at 5:00pm ET: Account Wizard, Account Number Generate, and Account Create APIs
 - September 1 at 4:00pm ET: Cash Management, Trading, and Management Fee APIs
- Any TDAI **retail accounts** included in your Veo One daily file feed will no longer be included in your new file feed coming from the Schwab platform, only advised accounts will be included.
- All existing direct integrations with Veo One must be rearchitected on the Schwab platform. We have teams in place ready to assist you with this process.
- Activation of API integrations are managed differently between Schwab and TDAI:
 - Schwab API integrations are activated by the advisor through your third-party platform
 - TDAI API integrations are activated by the TDAI Tech Services team via a (Release of Information (ROI) form
- Migration of current TDAI file feeds, as well as authorization and activation of new Schwab data file feeds will depend on you signing the Schwab Master Data Access Agreement
- Budgeting time to plan and implement these new integrations well ahead of Account Conversion is critical. Careful review of the details in this guide will help.
- If you have not already evaluated how your integrations to Veo One will translate to Schwab Advisor Center[®], please reach out to our team now regarding these conversations.

Schwab integration options largely mirror TDAs

Daily data files and statements	API integration	Single sign-on	Trading integration
			
<ul style="list-style-type: none">✓ End-of-day bulk balances, positions, and more via flat file✓ Account statements via SFTP✓ The most robust set of data available	<ul style="list-style-type: none">✓ Deep, high-quality, real-time integration with select providers✓ Initiate digital workflows with single sign-on (SSO) and data loading	<ul style="list-style-type: none">✓ Seamless connection from your system to Schwab Advisor Center✓ Industry standard SAML 2.0 format	<ul style="list-style-type: none">✓ Submit trades from order management systems to the Schwab platform✓ Multiple connection options, including FIX, SFTP, and API
<ul style="list-style-type: none">▪ Master Data Access Agreement (MDAA) required▪ Advisor authorization also required	<ul style="list-style-type: none">▪ Due diligence review required▪ Contract required	<ul style="list-style-type: none">▪ Due diligence review required▪ Contract required	<ul style="list-style-type: none">▪ Due diligence review required▪ Contract required <p>(Leveraging an approved Order Routing Network allows third-party vendors to bypass the due diligence review and contract requirements.)</p>



Provider Listings at advisorservices.schwab.com

Inclusion of your product and company on the Advisor Services website, offering third-party vendors no-cost exposure to our advisor client base

Conversion checklist and information

Daily data files

Data File Conversion Checklist

Now through September 2, 2023:

- Get set up with Schwab Advisor Center credentials. You will need a username and password for the Schwab platform in order to download files (including the cross-reference files) from Schwab, which we will deliver to you assuming you have signed the Master Data Access Agreement.
- Confirm ability to ingest the Schwab Core B/D and Cost Basis daily data files
 - Sample files and specs are available upon request, or by visiting the Schwab Advisor Center Technical Support page [here](#)
 - 'Classic' file versions are being retired (titled beginning with CS, ERT, PC, PRI, SAF, and SCF, followed by a date (mmddyy) and extension)
- Confirm ability to convert TDAI account numbers and rep codes, by leveraging the cross-reference files (.MXR files)
 - Files will be delivered to you daily via your Schwab (not Veo One) data file feed
 - Files are scheduled to be available starting mid-July (FA master accounts), and one week later for money managers/TAMPs (BT/SL master accounts)
 - File specs are available [here](#) and a sample version is available [here](#)
 - NOTE: You will receive an .MXR cross-reference file for **each Schwab master account** included in the conversion
- Confirm ability to convert any required security identifier changes, by leveraging the **ticker cross-reference** file
 - Includes mostly options and a small subset of mutual funds
 - [File](#) and [file specs](#) available on the Schwab Advisor Center [Technical Support page](#)
- Confirm your ability to process and manage residual transactions
 - See residual transactions pages for details

Conversion weekend: September 2-4, 2023:

- Convert account numbers
- Convert changing security identifiers
- Convert rep codes to master accounts (*if necessary*)
- Configure your system to download and process files for the newly created master accounts
- Process residual transactions from the TDAI platform for up to 90 days post conversion (*if necessary*)



Data File Conversion Timeline

Join the program	Develop integration	Rep code and subaccount migration	Asset migration	TDAI to Schwab conversion
Can take 2 months	Can take 1-2 months	July 2023	September 1, 2023	September 4-6 and after
<ol style="list-style-type: none"> 1. Sign Master Data Access Agreement 2. Get set up with credentials on Schwab Advisor Center 	<ol style="list-style-type: none"> 1. Review Core B/D and Cost Basis file specs and develop integration to process files¹ 2. Review sample cross-reference file specs (account cross-reference, and ticker cross-reference) 3. Create mechanism to handle residual transactions 4. Leverage our team as needed to ensure production readiness <p>¹ Core B/D files all begin with CRS, followed by a date (yyyymmdd) and extension. "Classic" files have titles beginning with CS, ERT, PC, PRI, SAF, or SCF, followed by a date (mmdyy) and an extension. "Classic" files are being retired.</p>	<ol style="list-style-type: none"> 1. Receive initial iteration of Schwab B/D data files for migrated master accounts in mid-July for most accounts, one week later for money managers and TAMPs 2. Subaccount and TDAI rep code to Schwab master account cross-reference information provided via .MXR cross-reference files: <ul style="list-style-type: none"> • Initial version available mid-July for FA master accounts • BT/SL master accounts added one week later (for money managers and TAMPs) • First refresh in early August • Final refresh in late August <ul style="list-style-type: none"> • Dates subject to change 3. Conduct mock Account Conversion testing, leveraging the cross-reference files (1 month out) 4. Conduct security identifier conversion testing, leveraging the ticker cross-reference file 	<ol style="list-style-type: none"> 1. Receive and process the final pre-conversion set of TDAI files² <p><i>Note: there will be no transactions provided in the Schwab nor TDAI file sets that correspond to the actual transfer of positions and cash from TDAI to Schwab</i></p> <p>² Residual transactions (ones executed at TDAI but settled at Schwab) will continue to flow in the TDAI file format from Veo One for up to 90 days after conversion.</p>	<ol style="list-style-type: none"> 1. Convert account numbers in your client databases using cross-reference files 2. Convert any applicable security identifier changes in your client databases using the current version of the security ticker cross-reference file 3. Configure your system to download and process files for the newly created master accounts 4. Begin downloading and processing Schwab files (September 6, 2023, and after) 5. Process residual TDAI transactions over the trailing 90 days (through November 2023)

✔ Authorizes you to receive Schwab data files for current clients of TDAI and any future clients working with Schwab.

✔ Completes development cycle and frees you up to focus on the conversion process

✔ Establishes TDAI-to-Schwab subaccount mapping, and security identifier mapping

✔ Verifies that your conversion process works successfully

✔ Ensures a solid baseline for conversion

✔ Conversion success!

Daily file downloads: Advisor Services data delivery

What it is

Advisor Services data delivery provides robust, comprehensive, and customized close-of-business data available daily for seamless upload into technology systems in file format for many data points across an advisor's business, such as positions, balances, cost basis, account information, and more.

Why we offer it

Data is vital to the smooth functioning of every modern office. Schwab's flexible approach lets you choose the file and delivery methods that work best for your technology and workflow. Daily data file integration is the quickest and easiest way to get access to Schwab account data; it's a simple advisor-driven process to authorize the download and a low-overhead technical implementation to receive and process the files into your technology platform.

How it works

Each day a new set of files is created and made available for downloading and processing. Files can be downloaded using the desktop Schwab Data Delivery® tool or, for bulk download needs, an SFTP transmittal channel (pull only) can be set up.

How it differs from the TDAI platform

- You must sign a Master Data Access Agreement that will allow the migration of file feeds from the TDAI platform to the Schwab platform. Any new client for whom you process files will request that a file feed be sent to you via Schwab Advisor Center, by submitting a Request for Data Access Agreement on the Account Management page.
- **No retail accounts** are or will be included in the Schwab data feeds post conversion, only advised accounts will be included.
- There are minor differences in the file specs and data points but most of what you rely on in the TDAI files is already available in the Schwab files. Any significant gaps that exist will be closed prior to Account Conversion.
- For firms already downloading Schwab files, please note that converted TDAI brokerage accounts will *only* be sent in the current Schwab Core Broker/Dealer (B/D) file formats and not the "classic" Schwab formats.
- TDAI groups accounts into rep codes for downloads, while Schwab uses master accounts. Rep codes and account numbers will both change to the Schwab format at Account Conversion. **You must also convert account numbers on existing data within your systems at the same time to ensure a seamless transition.**
- There are several **securities that will undergo an identifier change** when accounts get converted. These identifiers should be converted at the same time as the account numbers. A cross-reference file to help you convert those identifiers is available on the Technical Support page on Schwab Advisor Center, linked [here](#). The **final** version of this file will be made available starting August 25 via this same location.
- Date of birth and Social Security number/taxpayer ID are available in Schwab data files, but a request by the advisor to Schwab Advisor Platform Support must be made (in June 2023 or later) to include them for each master account. **If you rely on these fields as part of the TDAI file feeds, please [let us know](#) ASAP if you haven't already.**

TDAI to Schwab Core B/D data file mapping

TDAI > Schwab file names

TDA Down Load Option	TDA Filetype	Schwab File Type
DBCams+	DBC	Core Broker Dealer Files
CenterPiece	CP	Core Broker Dealer Files
CapTool	CT	Core Broker Dealer Files
TechFi	TF	Core Broker Dealer Files
DataMax	DM	Core Broker Dealer Files
TD	TD	Core Broker Dealer Files
Compliance	NULL	Core Broker Dealer Files
Sungard	SG	Core Broker Dealer Files
FiservC	FI	Core Broker Dealer Files
FisherCPiece	FS	Core Broker Dealer Files
FiservCcusip	CC	Core Broker Dealer Files
FiservAcusip	AC	Core Broker Dealer Files
DesBrokerage	DBR	Core Broker Dealer Files
TDAMap	TDM	Core Broker Dealer Files
DesBrokerPipe	DBP	Core Broker Dealer Files
Cost Basis U G/L	CB	Cost Basis Files
DesBrokerageEnh	DBE	Core Broker Dealer Files
Confirms	OC	Core Broker Dealer Files
Tax 1099-R	TX2	Cost Basis Files
Cost Basis R G/L	RCB	Cost Basis Files
Tax 1099-Consolidated	TX1	Cost Basis Files
DesBrokerageV3	DBV	Core Broker Dealer Files

Schwab file descriptions

Schwab Core Broker Dealer Files

- 1060 - B/D Trade Confirms: CRScyyymmdd.TCF
- 1080 - B/D Core Transactions: CRScyyymmdd.TRN
- 1081 - B/D Core Reconciliation Position: CRScyyymmdd.RPS
- 1082 - B/D Core Security Information: CRScyyymmdd.SEC
- 1083 - B/D Core Account Information: CRScyyymmdd.ACC

Schwab Cost Basis Files

- 1070 : B/D Cost Basis Daily UGL Open Positions – Taxable Accounts: CRScyyymmdd.UPT
- 1071 : B/D Cost Basis Daily UGL Open Lots – Taxable Accounts: CRScyyymmdd.ULT
- 1072 : B/D Cost Basis Daily UGL Open Positions – Non-Taxable Accounts: CRScyyymmdd.UPN
- 1073 : B/D Cost Basis Daily UGL Open Lots – Non-Taxable Accounts: CRScyyymmdd.ULN
- 1078 : B/D Cost Basis Daily RGL Closing Lots: CRScyyymmdd.RLD
- 1096 : B/D Cost Basis Weekly Year-to-Date RGL Closed Lots: CRScyyymmdd.RLW
- 1074 : B/D Cost Basis Monthly Year-to-Date RGL Closing Transactions: CRScyyymmdd.RTY
- 1075 : B/D Cost Basis Monthly Year-to-Date RGL Closed Lots: CRScyyymmdd.RLY
- 1076 : B/D Cost Basis Updated Year End RGL Closing Transactions: CRScyyymmdd.RTU
- 1077 : B/D Cost Basis Updated Year End RGL Closed Lots: CRScyyymmdd.RLU

Working with Schwab cross-reference files

	Schwab B/D Core Data Files	Account/Master cross-reference files (.MXR)	Security Ticker cross-reference file
File descriptions	Daily set of files that contain all account and security related information and daily activity	Mapping file(s) that link your current TDAI account numbers and rep codes to the new Schwab sub-account numbers and master accounts	Mapping file that links the current TDAI security identifiers (CUSIPS are not changing) to the equivalent Schwab security identifiers, where differences exist. For options and a small number of mutual funds only.
What is required in order to get the file(s)?	By signing the Schwab Master Data Access Agreement, your feeds on the TDAI side will automatically migrate over to Schwab	Files will be included along with your Core B/D File feed upon signing the Schwab Master Data Access Agreement	Use your Schwab Advisor Center credentials to login and access the file
Where will I get the file(s) from?	Included in your Schwab daily file feed, which will be either the Schwab Data Delivery tool, or via SFTP protocol	Included in your Schwab daily file feed, which will be either the Schwab Data Delivery tool, or via SFTP protocol	File and corresponding specs are located on the Technical Support page within Schwab Advisor Center, here
When can I expect to get the file(s)?	Delivered daily, starting: <ul style="list-style-type: none"> • Mid-July – First iteration will include new FA master accounts and individual subaccounts (no assets) that will be converted from the TDAI platform • One week later – BT/SL master accounts and individual subaccounts added (for money managers and TAMPs) • Sept 6, 2023 and after – Full iteration of files which include asset holdings 	To be updated in waves, and delivered daily: <ul style="list-style-type: none"> • Initial version available mid-July for FA master accounts • BT/SL master accounts added one week later (for money managers and TAMPs) • First refresh in early August • Final refresh in late August just before conversion <ul style="list-style-type: none"> • <i>Dates subject to change</i> 	Available now, but the refreshed, final version will be available starting August 25.
At what entity level are the files created?	Created at the master account level (similar to the TDAI rep code level), but bundled together for your download package. <ul style="list-style-type: none"> • Note: Retail accounts are not available or included in the Schwab Core B/D file feeds 	Created at the master account level (similar to the TDAI rep code level), meaning you can expect to get one of these .MXR files for every Schwab master account that includes converted TDAI accounts	Created at the custodian level, meaning there is only one version of the file for all use cases

Sample cross-reference files

Account Cross Reference File (.MXR)

H1	MstrAcct#	TDAID	SchAcct#	TDAAcct#
D1	0008001234	AF12	0010449171	892093118
D1	0008001234	AF12	0011410362	892098024
D1	0008001234	AF12	0011561729	892093678
D1	0008001234	AF12	0011657098	892093795
D1	0008001234	AF12	0011677273	892092462
D1	0008001234	AF12	0012289080	892151692
D1	0008001234	AF12	0012548061	892092088
D1	0008001234	AF12	0013096400	892092278
D1	0008001234	AF12	0013208777	892098713
D1	0008001234	AF12	0013339621	892110264
D1	0008001234	AF12	0013376877	892095113
D1	0008001234	AF12	0013533570	892093113
D1	0008001234	AF12	0013634605	892092359
D1	0008001234	AF12	0013813057	892092107
D1	0008001234	AF12	0013855308	892143488
D1	0008001234	AF12	0014245782	892091463
D1	0008001234	AF12	0014591341	892121872
D1	0008001234	AF12	0014623791	892121865
D1	0008001234	AF12	0014815268	892094019
D1	0008001234	AF12	0016235395	892135677
D1	0008001234	AF12	0016377210	892075602
D1	0008001234	AF12	0016419014	892168157
D1	0008001234	AF12	0016844871	892095115
D1	0008001234	AF12	0017056132	892093106
D1	0008001234	AF12	0017559216	892091373
D1	0008001234	AF12	0017906975	892092300
D1	0008001234	AF12	0018183088	892092496
D1	0008001234	AF12	0019198996	892094574
D1	0008001234	AF12	0019273708	892093100
T1	0008001234	20220323	TDACNVSN	00000029 00000031

Security Identifier Cross Reference File




H1	TDA Ticker Symbol	TDA CUSIP	Ticker Symbol	Options Display Symbol	CUSIP	ISIN
D1	IWKS	001058205			001058205	US0010582056
D1	MITTPRA	001228204	MITT+A		001228204	US0012282044
D1	MITTPRB	001228303	MITT+B		001228303	US0012283034
D1	MITTPRC	001228402	MITT+C		001228402	US0012284024
D1	AMTD	00180G106			00180G106	US00180G1067
D1	ATSAF	001940105			001940105	CA0019401052
D1	TPRA	00206R508	T+A		00206R508	US00206R5081
D1	TPRC	00206R706	T+C		00206R706	US00206R7061
D1	ATIN	00216B105			00216B105	US00216B1052
D1	ACPPRA	003057205	ACP+A		003057205	US0030572053
D1	AIBIF	003913209			003913209	CA0039132091
D1	AKAQ	004449104			004449104	US0044491043
D1	ACRPRC	00489Q201	ACR+C		00489Q201	US00489Q2012
D1	ACRPRD	00489Q300	ACR+D		00489Q300	US00489Q3002
D1	AECFF	00505Y105			00505Y105	CA00505Y1051
D1	OTRGX	00771F301				
D1	AERI	00771V108			00771V108	US00771V1089
D1	AGHC	00774U107			00774U107	US00774U1079
D1	GQJPX	00775Y504				
D1	AENZ	00776D103			00776D103	US00776D1037
D1	ADCPRA	008492209	ADC+A		008492209	US0084922097
D1	ALPRA	00912X500	AL+A		00912X500	US00912X5005
D1	MIMOWSA	00951K120	MIMOWA		00951K120	US00951K1209
D1	MIMOWSB	00951K138	MIMOWB		00951K138	US00951K1381
D1	MIMOWSC	00951K146	MIMOWC		00951K146	US00951K1464
D1	AQNPRACN	015857303			015857303	CA0158573034
D1	AQNPRDCN	015857501	AGQPF		015857501	CA0158575013
D1	HYII	01663A202			01663A202	US01663A2024
D1	ABPA	01747V206			01747V206	US01747V2060
D1	AEYXX	018616698				
D1	ALLPRG	020002127	ALL+G		020002127	US0200021279
D1	ALLPRB	020002309	ALL+B		020002309	US0200023093
D1	ALLPRI	020002812	ALL+I		020002812	US0200028126
D1	ALLPRH	020002838	ALL+H		020002838	US0200028381
D1	SNUG	02072L805			02072L805	US02072L8054
D1	BOB	02072L888			02072L888	US02072L8880
D1	PMIFX	02079X109				

TDAI residual transactions: Overview

If you track transaction history within your platform, you will need to be aware of **residual transactions**, which cover a variety of situations where transactions continue to hit TDAI accounts after the accounts convert to the Schwab platform. These transactions will be provided to you via Veo One transaction files for up to 90 days post conversion. Examples include trailing dividends and accrued interest, most of which will have any resulting cash or positions swept into the Schwab account the next business day. Because of this lag, these transactions have the potential to create a temporary reconciliation discrepancy on the Schwab side, which you should be aware of and prepared to manage. It is recommended that you post the initial transaction sent through Veo One directly into the new Schwab account rather than the TDAI account (by leveraging the account cross-reference files), **as the overnight sweeps and/or transfers will be suppressed** and therefore not available in the Schwab data files, even though they will appear on the Schwab website.

	Residuals Approach
TD Ameritrade	<ul style="list-style-type: none">▪ TDAI will process all residual transactions as normal post Account Conversion (September 5, 2023, and after)▪ TDAI transaction files will be created based on those transactions▪ These files will be available through existing TDAI channels; Veo One, SFTP, etc.
Schwab	<ul style="list-style-type: none">▪ Schwab data files will suppress the TDAI journal transfers post Account Conversion (September 6, 2023, and after)▪ Schwab internal systems will reflect a corresponding cash journal into the Schwab account rather than the posted TDAI transaction▪ Impact to Schwab Balance and Position files to be reflected the next business day for cash-based transactions, and up to 7 days for share-based transactions (which are updated once per week), thereby resolving any reconciliation discrepancy
Advisor/Vendor	<ul style="list-style-type: none">▪ Advisors and vendors will need files from both Schwab and TDAI post Account Conversion▪ TDAI statement and confirmation files will be available on Veo One

Residual transaction types & processing

Category	Description of the activity type and example	Impact to Schwab data files
 <p>Corporate actions</p>	<ul style="list-style-type: none"> ▪ Cash dividend – Dividend paid for an equity security with record date before the account was converted ▪ Other delayed, mandatory corporate actions – Spinoff, stock split, etc. occurring after Account Conversion but recorded before Account Conversion 	<ul style="list-style-type: none"> ▪ Daily Balance file will not reflect the cash transaction until after the funds are posted in Schwab internal systems ▪ Daily Positions file will not reflect the asset transfer until after the assets are transferred into Schwab internal systems
 <p>Mutual funds</p>	<ul style="list-style-type: none"> ▪ Accrual funds – Bond fund that accrues interest throughout the month. At the end of the month, accrued portion is paid through conversion date to client's TDAI account. 	<ul style="list-style-type: none"> ▪ Daily Balance file will not reflect the cash transaction until after the funds are posted in Schwab internal systems ▪ Daily Balance or Positions file will not reflect the results of the dividend until after the dividend is posted in Schwab internal systems
 <p>Trading</p>	<ul style="list-style-type: none"> ▪ Trade corrections (Option, Equity, Foreign, FI) – Client trades for 100 shares but only intended 10; calls to get trade corrected 	<ul style="list-style-type: none"> ▪ Trade corrections will be reflected in the Balance or Position files the same day the corrections are applied
 <p>Cash related</p>	<ul style="list-style-type: none"> ▪ Wires IN – Client mistakenly sends wire to TDAI ▪ External ACH IN – Client Social Security deposit sent to TDAI ▪ External ACH OUT – Client credit card bill drawn from TDAI ▪ Physical mail in check deposits – Client mails check to TDAI for deposit or delivers to a TDAI branch 	<ul style="list-style-type: none"> ▪ Daily Balance file will not reflect the cash transaction until after the funds are posted in Schwab internal systems
 <p>Transfer</p>	<ul style="list-style-type: none"> ▪ In-progress transfer – Client transfer in request to TDAI has not yet finished processing prior to conversion 	<ul style="list-style-type: none"> ▪ Daily Positions file will not reflect the asset transfer until after the assets are transferred in Schwab internal systems

How accounts will be maintained through conversion

TDAI account statuses that will transition:

- TDAI accounts marked as CLOSED with a ZERO balance will **not** convert over to the Schwab platform. All other account statuses will, including those that are open with a zero balance, as well as those closed but with a balance.

Note: there are a small number of TDAI account registration types that are not supported on the Schwab platform, all of which will convert into frozen Keogh accounts on the Schwab platform.

Handling new vs existing accounts and master accounts:

- It is best to **not** add or post the **new** (shell) Schwab subaccounts into your database when they are initially added to the Schwab data files in the months leading up to conversion. You should wait to update the existing TDAI account numbers that are already stored in your database over conversion weekend. Doing otherwise could create duplicate account numbers.
- TDAI uses rep codes and Schwab uses master accounts. There are three types of master accounts, and each type is used for different purposes: FA masters, SL masters, and BT masters.
 - FA (Financial Advisor) master accounts are the required primary link. All Schwab sub-accounts are linked to one, and only one, FA master account. Firms may have multiple FA master accounts.
 - SL (Sub-linked) master accounts are used for viewing and trading purposes, including when an advisor wants to provide only a subset of their book to a third-party provider. TAMPs and Outsource Agents use this type of master account.
 - BT (Block Trade) master accounts are issued to Money Managers and are also used to provide data to third-parties.
- The vast majority of TDAI rep codes will convert into **new** Schwab FA master accounts
- The majority of TAMPS will have **new** Schwab SL master accounts created for their TDAI rep codes
- Money Managers will have their TDAI Rep Codes converted into **existing** Schwab BT masters (where available)
 - **IMPORTANT:** If your system automatically imports new accounts from the Schwab account (.ACC) file, you will need to be **especially cognizant** of converted (shell) accounts being added to **existing** BT or SL masters, as they may be brought in as **new accounts** which could cause duplication

How historical data will be maintained through conversion

Type of data at TDAI	What will transfer to Schwab Advisor Center
Account Statements and Forms 1099	10 years of history
Daily Data Files	Will not be accessible via Schwab Advisor Center post conversion weekend. It is recommended that you download any required history from Veo One before conversion weekend if you have a need to retain historical files.
Cost Basis	<ul style="list-style-type: none"> • Unrealized Gain/Loss information will be available in the Schwab cost basis files (.UPT, .ULT, .UPN, .ULN) starting with the September 5, 2023 file set • Realized Gain/Loss information will have a hard cutover on conversion weekend: <ul style="list-style-type: none"> • Realized Gain/Loss data for January 1, 2023 through September 1, 2023 will only be available in the Veo One cost basis files. This data will not transfer over to the Schwab cost basis files (.RLD, .RTY, .RLY, .RTU, .RLU) • Realized Gain/Loss data for September 5, 2023, and after will be available in the Schwab cost basis files • Any corrections to Realized Gain/Loss data for trades occurring before September 1, 2023, will flow through the Veo One cost basis files only • Information included on 1099s will follow the same cutover logic. Clients will receive a 1099 from both custodians for 2023



Key questions for you to consider

Key questions

- Will the volume of your new Schwab consolidated file feed (Schwab + TDAI) be an issue?
- Is there a need for you to review how your new Schwab master accounts are assigned to your firms' security groups on Schwab Advisor Center to ensure proper load-balancing once the newly combined Schwab + TDAI file feeds are in place? This could be done late July through August if needed.
- Will including converted TDAI accounts in the Schwab data files ahead of conversion (in July) cause any issues in terms of creating duplicate records in your system?
- What actions will your users need to take to accommodate the change in account numbers? How and when will you communicate those steps to them?
- Do you rely on other third-party platforms for account data, and if so, are you in sync with their approach to handling conversion?
- Do other platforms rely on data from your system, and if so, are they aware and prepared to manage these conversion changes? (Schwab/TDAI can only identify those who get data directly from our platforms)
- Will account number fields in your system be consolidated, eliminated, or just have their data updated?
- Will the newly converted TDAI account numbers be presented to the end user as new accounts that need to be assigned to records? Or will existing records be updated?

Conversion checklist and information

APIs & SSO

API/SSO Conversion Checklist

Now through June 30, 2023:

- Sign Nondisclosure Agreement (NDA): Allows you to access API and SSO documentation to begin your scoping and planning.
- Complete due diligence review: Requires Schwab approval of supplied information about your company before the agreement can be signed.
- Sign API and/or SSO Agreement: Gives you access to the full Schwab API and SSO environments and clears the path for you to begin development.
- Completion of a Project, created via our Participant Portal (this includes development work, technical validation, and approval to release).
 - We require that you **complete this work by May 1, 2023**, to allow adequate time to test it against mock data.
- Finalize client-facing documentation detailing steps to enable API/SSO integration to Schwab Advisor Center from within your platform. Schwab does not have any ability nor knowledge of how to activate integrations within your platform, like TDAI does.
- Have your clients activate the integrations **one month prior** to account conversion.

Conversion weekend (September 2–4, 2023):

- Ensure that all clients have activated the API/SSO integration within your platform.
- If you store account numbers and/or security symbols within your database**, you will also need to convert the account numbers to the new Schwab format to ensure that the integrations continue to have data flow once we convert them on our platform. See Data File Conversion Checklist for details.

API/SSO Conversion Timeline

Join the program	Develop integration	Prepare for conversion	Activate integrations	At conversion
Can take 6 months	Now – May 1, 2023	April 1 – June 1, 2023	August 2023	September 2–4, 2023
<ol style="list-style-type: none"> 1. Sign Nondisclosure Agreement 2. Complete due diligence review 3. Sign API and/or SSO Agreement 	<ol style="list-style-type: none"> 1. Develop integration in test environment 2. Validate integration with Schwab’s team and move to production environment 3. Ensure that your clients understand the coming changes 	<ol style="list-style-type: none"> 1. Create documentation and content instructing clients how the new integration will work and how they will activate it 	<ol style="list-style-type: none"> 1. Have your clients activate the integration ahead of conversion, ensuring an immediate data flow the morning of September 5, 2023 	<ol style="list-style-type: none"> 1. Ensure your clients activate the API and/or SSO integration within your platform 2. If you store account numbers and/or security identifiers within your database, you will also need to convert those in order to ensure that the integrations continue to have data flow once we convert them on our platform. See Data File Conversion Checklist for details.
<ul style="list-style-type: none"> ✓ Gives you access to all APIs, documentation, and program resources, so you are free to begin development 	<ul style="list-style-type: none"> ✓ Completes development cycle and frees you up to focus on Account Conversion 	<ul style="list-style-type: none"> ✓ Prepares clients to seamlessly change over from Veo One integrations to Schwab Advisor Center integrations 	<ul style="list-style-type: none"> ✓ Frees up clients to focus on other tasks related to account conversion 	<ul style="list-style-type: none"> ✓ Conversion success!

API integration: Seamless, end-to-end workflows

What it is

API integration is end-to-end integration with essential Schwab Advisor Center tools and data; it is available to technology providers who want to develop deep, customized user experiences.

Why we offer it

API integration is the most seamless and flexible integration option, giving advisors access to real-time custody data and workflows from the systems they already use. Schwab's modern API development tools and best practices can be used to build custom experiences within technology provider platforms.

How it works

We provide comprehensive documentation and resources via our Participant Portal, where your development team has ongoing access to the details of each API and can track and monitor the progress of each project. Our program also includes a dedicated service team, who will work with your development team throughout the project lifecycle, ensuring that questions are answered, roadblocks are cleared, and a secure and high-quality outcome is delivered.

How it differs from the TDAI platform

- While largely equivalent, there are a handful of new APIs being created on the Schwab platform to ensure parity with the TDAI platform: Standing Instructions API, iRebal[®] APIs, and Trading API. There will be migration guides for each API to explain the specific data point differences between equivalent APIs on the Schwab and TDAI platforms.
- The enrollment/activation process differs, as each end user self-enrolls using their Schwab Advisor Center credentials via an enrollment workflow that is built into the integration code on your platform, as opposed to the TDAI Tech Services team enrolling firms and users via a submitted ROI form.
- Account numbers will change to the Schwab format at Account Conversion. **You must also convert account numbers and security identifiers on existing data within your systems at the same time to ensure a seamless transition.**
- A new/separate due diligence review and agreement between you and Schwab is required before you are able to implement APIs.

Single sign-on (SAML 2.0)

What it is

Advisors get convenient access to Schwab Advisor Center, when and where they need it, giving them streamlined workflows across the platforms they use. Schwab offers an industry-standard SAML 2.0–based single sign-on. End points on Schwab Advisor Center include:

- Home Page
- Alerts
- Documents
- Profiles
- Management Fees
- Trading
- Balances & Positions
- Service Request & Status
- Forms & Applications
- News & Research
- Schwab Charitable
- Money Movement

Why we offer it

Implementing SSO can streamline advisor workflows by enabling easy, one-click access to key data and tools within the systems advisors depend on. Whether implementing SSO on its own or combining it with Schwab's other deep integrations, completing key account management tasks that advisors perform every day becomes easier than ever.

How it works

SAML is the link between the authentication of an advisor's identity and their authorization to use other websites and applications. Advisors log into their third-party platform, then via an encrypted token are logged into other service providers, including Schwab Advisor Center. Leveraging SAML allows advisors to easily integrate with Schwab and simplify the credential management process.

How it differs from the TDAI platform

- The Schwab SSO offer includes all the TDAI landing pages and more.
- There is no ability to use SSO to sign into your application from Schwab Advisor Center—only from your system into Schwab's.
- A new/separate due diligence review and agreement between you and Schwab is required before you can implement SSO.

Schwab APIs & SSO: Credentials/SSO, digital messaging, and data mapping

	Capability	Definition
CREDENTIALS/SSO	Enrollment (mandatory)	Required for any API integration. Provides a prompt, giving users the opportunity to enroll their user ID for access to Schwab Advisor Center data and functionality via the APIs. Leverages OAuth authorization.
	Enrollment status	Checks a user's enrollment status; unenrolls a user
	User authorization	List of Schwab Advisor Center security permissions assigned to a particular user. This permissions check is required for SSO-related calls like digital onboarding, move money, trade file upload, and management fee file upload.
	Single sign-on	<p>SAML 2.0 single sign-on provides end users with easier contextual access to Schwab Advisor Center pages and functionality by initiating access from the consuming application—without having to separately log in. End points on Schwab Advisor Center include:</p> <ul style="list-style-type: none"> ▪ Home page ▪ Accounts > Alerts – account and operationally related next steps and notifications ▪ Accounts > Balances or Positions – cash, cash equivalents, and security holdings ▪ Accounts > Documents – view statements, trade confirmations, and tax reports ▪ Accounts > Profiles ▪ Accounts > Service Request – submit forms, documents, and requests to Schwab service teams ▪ Accounts > Status List – provides status for submitted service requests ▪ Trading – order entry and file import tabs ▪ Money Movement ▪ Management Fee Blotter ▪ Account Management – account opening, servicing, and maintenance forms (PDF based) ▪ Digital Envelopes – access to and status of digital workflows ▪ News ▪ Research > Markets – look up information about a security (in context) ▪ Schwab Charitable ▪ SSO to Schwab Alliance (for account holder single sign-on)
DIGITAL MESSAGING	Alerts	List of all alerts for a firm in one of three views: subaccount, Master Account, or firm view. This API also provides alert details and the ability to archive the alert.
	Status	Retrieve current status for in-flight requests made on Schwab Advisor Center. Pairs with most digital account maintenance APIs.
DATA MAPPING	Clients	List of client IDs and key identification information—first name, last name, address, month/year of birth—which is typically used for search functions from the consuming application to select specific Schwab clients (for example, finding all accounts for “John Smith”).
	Accounts	List and detail information for Master Accounts and their associated subaccounts
	Account synchronization	List of account details data, generally used with the data persistence API to synchronize data changes on Schwab Advisor Center with the consuming application.

Schwab APIs & SSO: Real-time digital account maintenance and importing

	Capability	Definition
REAL TIME	Balances	Real-time cash and equivalents information for a single account or an array of accounts (for example, household)
	Positions	Real-time position information, including quantity and value, for a single account or an array of accounts
	Transactions	List of transactions for a single account and details for a single transaction once a transaction is selected
	Cost basis	Cost basis details for subaccounts, including realized gain, unrealized gain, and trade lot information
	Profiles	A set of three APIs (Account Profiles, Preferences & Authorizations, and Document Preferences) containing most account settings and preferences. The details can be provided for a single account or an array of accounts and optionally saved and stored locally.
	Reports	List of investor reports, including client monthly statements, trade confirmations, and year-end tax documents. From the list, the user of the consuming application can open and save a single PDF or open PDFs sequentially to save and store for multiple accounts.
DIGITAL ACTIONS	Digital onboarding	A set of APIs that include (1) SSO into the digital onboarding workflow, (2) loading of contact/client data from the third-party system, and (3) status updates that can be fed back into the third-party system.
	Digital address change	SSO into and preload the digital address change tool on Schwab Advisor Center with updated address information from the consuming application. Digital status is also available.
	Digital move money	SSO into and preload the move money tool on Schwab Advisor Center with client and account data from the consuming application. Digital status is also available.
	Service request	Supports the submission of a new service request on Schwab Advisor Center. Service requests are used to submit requests for service, forms, and documents to Schwab service teams. Digital status is also available.
	Trade instructions and allocations file upload	SSO into and transmit Schwab trade files and block trade allocation files from the consuming application into the Schwab Advisor Center Trade Blotter. Requires both the trading SSO and the file upload APIs.
	Management fee file upload	SSO into and transmit management fee files from the consuming application into the Schwab Advisor Center Management Fee Blotter. Requires both the Management Fee Blotter SSO and the file upload APIs.
IMPORT	Data delivery (in bulk)	An API providing sub-files containing profile, position, balance, account roles, required minimum distribution (RMD), and beneficiary data, in bulk, as of the previous business day for all accounts at the firm. The consuming application may store the data locally and use for beginning-of-day analysis, reports, workflows, views, or any other purpose requiring a complete snapshot of all Schwab accounts managed by the firm. After the data is retrieved, it is the responsibility of a consuming application to secure the data within the application. Note: Consuming applications can request delta information for profile data.
New from TDA	Standing Authorizations iRebal APIs Trading APIs	These APIs are currently being developed on the Schwab API platform to replace APIs that Veo One offered.

Other Schwab integration offers

- SFTP statements
- Provider Listings

Schwab Advisor Center account statements and documents: Bulk, SFTP delivery

What it is

Schwab offers SFTP delivery of various types of account-related documents on request for third parties working with one or more registered investment advisors (RIAs).

Why we offer it

Including account-related documents is a great way to enhance the value of a client portal solution, and this offer provides an easy way for third parties to import documents for all accounts on a bulk level. More than 40 different types of documents are available, ranging from account statements and tax forms to Schwab Charitable™ documents and Pledged Asset Line® documents. The documents are the same as those available on Schwab Advisor Center. With SFTP delivery, third parties can choose the specific document types to download.

How it works

Third parties enrolled in this program are granted an SFTP account on Schwab's servers from where they can pull the documents. The downloading party uses their own FTP software to retrieve files at their convenience, typically monthly. The files are then transmitted in a .zip file format, which can be extracted on receipt and processed into the advisor's technology for client use.

How it differs from the TDAI platform

- This offer is unique to the Schwab platform and does not exist on the TDAI platform.
- Signing the Master Data Access Agreement is required, establishing you as an authorized recipient for any clients who wish to access these statements and documents through your system.

Provider Listings on advisorservices.schwab.com

What it is

The [Provider Listings page](#) on the Schwab Advisor Services website is a public online directory of technology and professional service providers that offer products and services to RIAs. Within each product listing, you can include summary information about your product and company, multiple screenshots of your technology, full contact and social media information, and details about how your technology integrates with various Schwab platforms.

Why we offer it

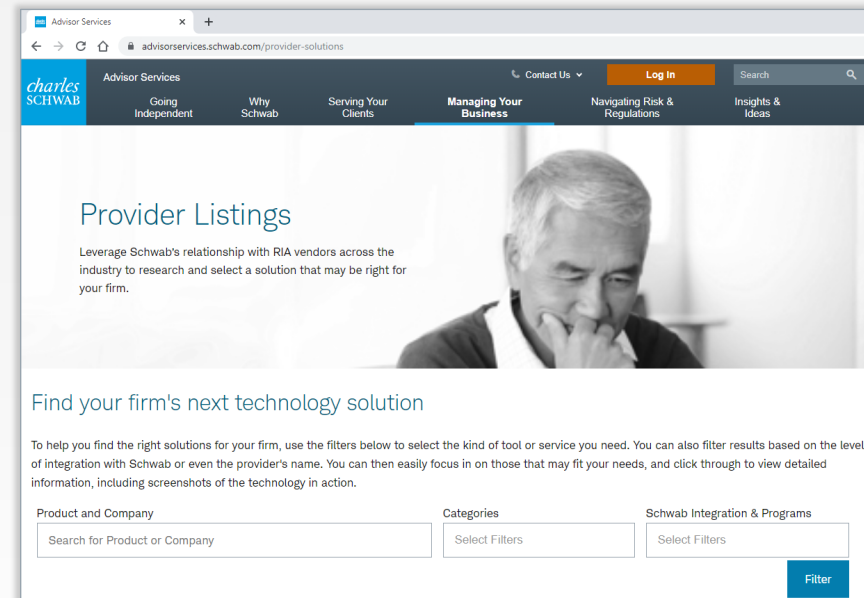
The Provider Listings page is a resource for RIAs who are beginning their search for new products and services. While not intended to be a deep dive into product features, it helps RIAs narrow their search to appropriate candidates. Creating a profile on the page (at no cost) also provides unique access to Schwab events, including additional sponsorship opportunities at IMPACT®.

How it works

To be listed on the Provider Listings page, you sign a short agreement, along with a Profile form, where you provide all the information for the listing. Once you submit the forms, the Schwab team will publish your listing. You can then announce your participation in the program and promote your listing via your marketing and communication channels (per program guidelines).

How it differs from the TDAI platform

This offer is unique to the Schwab platform and does not exist on the TDAI platform.



Work with us and stay connected

Please contact us at IntegrationSolutions@schwab.com to:

- Ensure that you are on our mailing lists, as we send additional updates about the conversion process
- Receive Schwab data file specs and sample files
- Discuss how trading connections will convert

Our main portal for sharing conversion information with advisors is located [here](#). Included on this website is the advisor [Transition Planning Guide](#) that covers additional details and FAQs on the overall conversion process.

For ongoing access to documents related to API and SSO migration, please visit our [Participant Portal](#).

For FIX trading related issues, please contact FIXIntegrationSupport@schwab.com

To learn more about the providers we work with, visit advisorservices.schwab.com/provider-solutions.

This presentation is for general educational purposes only, specifically for technology vendors that work with Schwab Advisor Services.

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API integration is available through Schwab OpenView Gateway®, which is provided by PTI. Single sign-on is provided by PTI. Daily data files and trading integration are available through Schwab. Schwab OpenView Gateway and Schwab OpenView MarketSquare® are services of PTI.

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