

J.P. Morgan's **state-of-the-art** trading and analytics platform



J.P. Morgan Global Liquidity

As one of the world's largest liquidity managers, J.P. Morgan Global Liquidity has shared cash investing expertise with organizations around the world, strengthening their short-term views and, as a result, their longterm success. Our team actively works with you to craft the right liquidity strategy, segmenting your cash position and leveraging solutions across the full cash management spectrum to help maximize opportunity.

We work towards having globally coordinated expertise and a researchdriven process through:

- 135 dedicated global liquidity professionals
- 21 years average of portfolio management and credit research industry experience
- 14 locations across 7 countries
- 24-hour coverage across 5 global service centers

We are positioned to offer best-in-class investment solutions that span a broad range of currencies, risk levels and durations — all designed to suit our clients' specific operating, reserve and strategic cash management needs.

Source: J.P. Morgan Asset Management. All above data as of March 31, 2023

Contents

5	Investment options
6	User interface
7	Trading capabilities
9	Analytics
11	Reporting
12	End-to-end compliance controls
13	Program integration
14	Self-service administration
15	Audit made easier

Introducing Morgan Money

We at JPMorgan Chase & Co. continue to make substantial investments in technology to transform how we interact with our clients, spending nearly USD11 billion annually — with about USD700 million allocated specifically to cybersecurity — and employing over 50,000 technologists around the globe.

J.P. Morgan Asset Management is pleased to offer our institutional investing platform, **MORGAN MONEY**, a multi-currency, open architecture trading and risk management system. The platform was designed to deliver a seamless customer experience, centered on operational efficiency, end-to-end system integration, and effective controls to allow customers to invest when, where and how they want — securely.

MORGAN MONEY is an intuitive platform that allows you to view aggregated account information across your entire portfolio, conduct in-depth risk analysis, model potential trades and compare available investment options. This platform has been designed for clients, by clients — embedding your needs and priorities into its core capabilities.

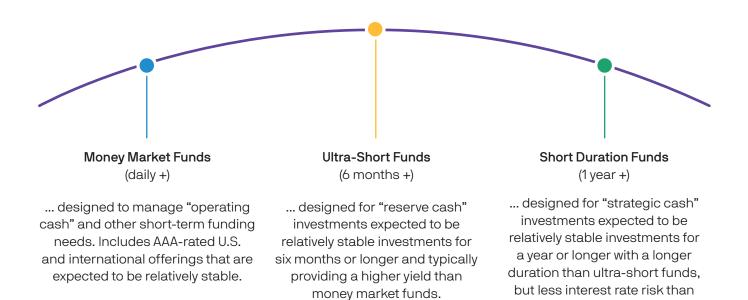
We know that security is critical to your business — and as one of the global leaders in liquidity management, it is deeply engrained in everything we do. Overall, **MORGAN MONEY** has the ability to improve productivity without sacrificing quality or security. The platform offers a range of optional controls, including dual-entry trading approvals, PIN capabilities and investment policy statement compliance checks.

Technology is ever-changing and at J.P. Morgan Asset Management, we are committed to creating transformative digital capabilities to deliver meaningful client outcomes.

Note: Effective 8 August 2019, Global Cash Portal was renamed MORGAN MONEY.

A broad spectrum of investment options

MORGAN MONEY offers you an extensive menu of more than 100 short-term investment solutions managed by J.P. Morgan Asset Management and other leading investment management firms, allowing you the flexibility to build a multi-manager, multi-currency liquidity portfolio.



Separately Managed Accounts

provide direct ownership of securities and can be customized to specific client needs and investment parameters. Available through J.P. Morgan Asset Management only.

Availability

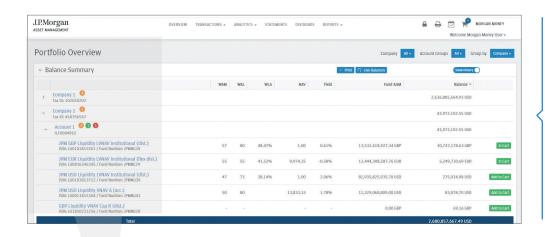
	USD	GBP	EUR	AUD	SGD	RMB
Money market funds						
Ultra-short funds						
Short duration funds						

Products subject to availability in your jurisdiction. Please contact your J.P. Morgan representative for available products.

longer-term bond funds.

Simple, intuitive user interface

MORGAN MONEY's enhanced design provides you with a simple, aggregated view of your entire company's holdings on one screen. Pre-trade compliance checks allow you to avoid investing more than your investment policy concentration limits through soft-blocks. So, before you even place a trade, you can see expected fund concentrations.



The portfolio overview screen offers a firmwide view of money market fund and separately managed account balances, giving you a high level overview of risk exposures, transaction history and upcoming dividend dates — all on one easy-to-understand dashboard.

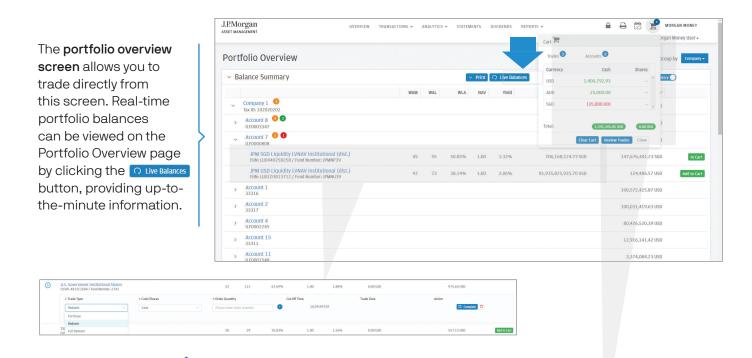
Portfolio Overview



Color-coded trade indicators appear as you begin entering trades, clearly displaying transactions awaiting final submission for execution or approval. Green for purchases, red for redemptions and orange for total transaction count.

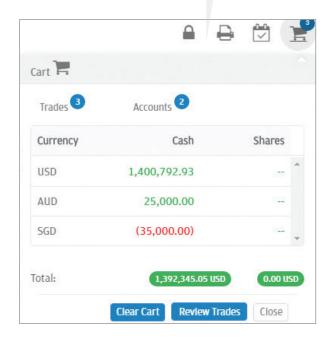
Trading capabilities

MORGAN MONEY simplifies trading across multiple fund providers and currencies from almost anywhere in the tool. The platform also has the ability to combine wires and trade tickets across multiple accounts.



Short-cut trading capabilities allow you to trade across as many companies, accounts and funds as you'd like — saving you valuable time.

The patent-pending **shopping cart** allows you to create and save trades for future execution. Your cart will retain your trades as long as you are logged in to the platform and can be edited at any time. With a built-in aggregation tool, you can see what is in your queue before you execute trades.



Trading capabilities continued

Iorgan MANAGEMENT			OVERVIEW TRANSACTIONS - ANALYTICS - STATEM	IENTS DIVIDENDS REPOI	RTS +				🖶 🖄 Wel	MorgA come Morgan Mo	AN MONEY ney User +	
v Trade												
Select for Trad	е											
Start typing to search	: All - Account Group	Reset	Account 11 - ILF0001548 Company: Company 1 - 12527									
Compariso		ce (desc.) +	Fund Share Class Name	Balance ~	Fund AUM	Yield	WLA	WAM	NAV	Cut-Off Time	Trade	
LF0002245	80.426.520.39		JPMorgan JPM AUD Liquidity LVNAV Institutional (dist.) ISINE LU0533340161	5,000,712.89 AUD	718,214,181.97 AUD	1.03%	40.16%	51	1.00	14:00:00 AEST	Trade	
account 1			JPMorgan JPM USD Liquidity LVNAV Institutional (dist.)	1,299.20 USD	81,935,825,935.70 USD	2.06%	38.14%	47	1.00	12:00:00 EST	Trade	<
LF0004962	43,972,102.55	USD	JPMorgan JPM EUR Liquidity LVNAV Institutional (flex dist.)	49.87 EUR	12,444,308,587.76 EUR	-0.58%	41.52%	55	9,974.35	14:30:00 CET	Trade	
Account 15 13311	12,916,141.42	USD	TSIRE LUU836346345									
Account 11 LF0001548	3,374,084.23 U	SD										
Account 5 LF0002556	918,946.38 USI)										
Account 9												

The **trade screen** allows you to easily search for an account and execute trades for any entitled position across your entire portfolio — all from one screen.

Bulk trading allows you to export your set of entitlements with the click of a button and trade across all of your accounts by importing your trades. Entitlement validation, pre-trade checks and built-in reconciliation allow for convenient and safe trading.

							Welcome M	lorgan Money User
have not selected any funds. Use the	Funds Selector panel	I to select funds to trac	e. To add multiple	trades, click here to im	oort an .XLSX file from yo	ur computer.		
		Export data m	cones.					
								Next
	have not selected any funds. Use the	naw not selected any funds, the the Funds Selector pane		have not selected any funds, the the Funds Selector panel to select funds to trade. To add multiple			have not selected any funds. Use the Funds Selector panel to select funds to trade. To add multiple trades, click here to import an XLSX life from your computer.	

Multiple settlement options

In addition to the intuitive trading approach offered via the platform, J.P. Morgan Asset Management is committed to providing cutting-edge technology that allows for connectivity to various systems, allowing you to trade in a way that is most convenient for you. **MORGAN MONEY** is designed to improve efficiency without sacrificing quality or cybersecurity.

SWIFT: We support SWIFT messaging, allowing you to trade through the front end of the tool or through the SWIFT network and maintain a trade audit history for up to two years — all from one screen.

Direct Debit: Payment security and efficiency are critical to cash management. As such, you can take advantage of our direct debit capability. Through secure electronic messaging and identity verification, your purchases can be settled automatically when you place your trades via the platform.



Analytics

MORGAN MONEY offers robust risk and analytics tools, allowing you to take a deeper look into your exposures, understand how trades might impact your portfolio and compare funds available on the platform.

Risk analytics display

A granular **risk analytics** tool — built within a stem-and-leaf series of graphs — allows you to analyze exposures by instrument type, issuer, maturity, country and rating, right down to the individual holding level. You can filter at the account, company or full entity level.

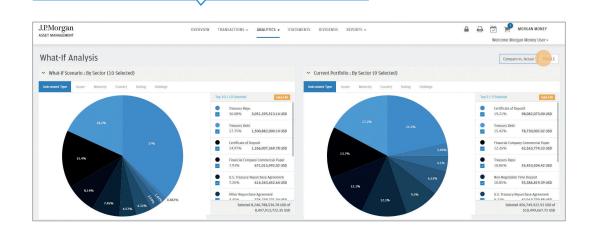
On the **risk analytics** screen, you can also utilize our unique drilldown feature to create views across multiple factors. Each filter or selection on a drilldown is applied to all subsets below, allowing you to adjust your view to understand specific country, issuer, maturity or rating exposures. All holdings information is exportable at a CUSIP level, providing further granularity and transparency on what you actually hold.



Analytics continued

What-if analysis

This function allows you to model the potential impact of a trade — whether a purchase or redemption — and see how it might affect exposures at an account, company or full relationship level.



							Welcome Morga	in Money User 👻	
e ⊡ Pe	erformance Data 🔨							O Real	🖻 Chartesi 🅸 🕹
	CHART(S) V Show Selected Char Selection		Period: 2018-09-29	- 2020-09-29 前					Ł
Fund	d Information Daily Information O Month	nly Information	Fund Documents			Treasury	0	□ T Show Select	ed 🔄 Clear Selection
	✓ Fund Name ○ ♡		NAW Share Class Assets	Total Assets <table-cell></table-cell>	Daily Dividend Factor	1 Day Yield	7 Day SEC Yield	7 Day Current '	1 Day Yield
	JPMorgan 100% U.S. Treasury Money Market Fund Capital Shares		66,516,352,302.68	107,193,380,491.99	0.000000441	0.02%	0.02%		
	JPMorgan Prime Money Market Fund Capital Shares			84,550,863,218.74	0.000005217	0.19%	0.19%		
	JPMorgan U.S. Government Money Market Fund Capital Shares		116,871,205,484.54	188,166,986,386.08	0.000000478	0.02%	0.02%		
	JPMorgan U.S. Treasury Plus Money Market Fund Capital Shares		13,858,468,392.83	30,235,106,028.45	0.000000968	0.04%	0.03%		
								1-4 of 4 items <	1 > 10/page V
produ	uct, strategy, or other purposes. By receiving this output, n or any action at all. Risk exposures are calculated using	you agree with the in the weighted average	ended purpose described abow of holdings information provid	. None of J.P. Morgan Asser	Management, its affiliates o	r representatives is sugg	esting that the recipient or	any other person ta	ike a specific course of
	a Fun	A Constitution Constitution A Constend A Constitution A Constitution A Constitution	Clastics Comment Annu Annu Comment Annu Annu Comment Annu Annu Annu Comment Annu Annu Annu Annu Annu Annu Annu An	Clastics Control	Image: Source of the	Image: Section 2019 Image: Section 2019	Cultritis Conservation Conservatin Conservation Consenvector Consenvector Consenvec	CHARTON STORE Data CHARTON STORE DAT	Construction Construction<

Fund Performance

The fund performance tool allows you to compare funds across commonly-used parameters including yield, performance, fund ratings and risk characteristics. Information is displayed across all funds available through the platform, whether entitled to your account or not. Within the fund performance tool, you also have the ability to compare funds side-by-side through plotting funds in a line graph.

Reporting

MORGAN MONEY provides a variety of reporting capabilities, including:

Downloading custom, real-time reports. Reports can be customized to your preferences, covering transaction activity, balances and account performance. Risk analytics allows for customizable, exportable information that provides a more detailed view into fund exposures.

Historical reporting. Audit trails are available with up to two years of history including time stamps (across each step of the trade), input and validation information.

Export statements, trade history, confirmations and risk analytics information into PDF, Excel or CSV files for your convenience.

Schedule reports on a daily, weekly, monthly or quarterly basis and have them automatically generated and sent to you via email.

REPORT INFORMATION	SCHEDULE
Report Name	Frequency
	Daily
Report Type	Weekly
Transaction History	• OMonthly
Report Criteria	Quarterly Never End
Company	•
Company	End date
All Companies	*
Company 1 Company 2	Recurrence
	-



Confirmations

Real-time confirmations are available directly from the transfer agent and fund providers, retrievable in the system and exportable in Excel or PDF.



Statements

You can retrieve historical monthly account statements providing income accrual and balance information (going back two years) for all of your investments.

vidends								
Accounts	Dividends							
Search By Name Q	Selected Period	2-August-2019 to 01-October-2019						
Account 1 33316	Export as 💌					Showing 1-10	of 42 🔍	*
		Fund info 🛞						
Account 1 ILF0004962	Date	Fund Name	Balance	DVD Rate	Daily DVD	Deduction Rate	Daily Deduction	Cum. DVD
	Oct 1, 2019	JPM USD Liquidity VNAV A (acc.)	6.000	0.000000000	0.00			0.00
Account 10 ILF0000513	Sep 30, 2019	JPM USD Liquidity VNAV A (acc.)	6.000	0.000000000	0.00			0.00
	Sep 27, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000168145	46.39			430.37
Account 11 ILF0001548	Sep 26, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000056099	15.47			383.98
	Sep 25, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000056370	15.55			368.51
Account 12	Sep 24, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000055958	15.44			352.96
ILF0002167	Sep 23, 2019	JPM USD Liquidity LVNAV Institutio	275,934,980	0.000055968	15.44			337.52
14 4 1 2 3 4 1 1	Sep 22, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000000000	0.00			322.08
	Sep 21, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000000000	0.00			322.08
	Sep 20, 2019	JPM USD Liquidity LVNAV Institutio	275,934.980	0.000168000	46.35			322.08

Dividends

Daily, monthly and total accrual calculations are available with export functionality.

End-to-end compliance controls

MORGAN MONEY provides end-to-end compliance checks based on a flexible set of guidelines that may be set up as soft-blocks, allowing you to validate that you are staying within your investment guidelines.

Customized access levels: The platform allows for a number of access controls, including user-level entitlements for companies, accounts, trading and approval capabilities.

IPS checks: Admins and super-users can create custom compliance monitoring by establishing exposure limits aligned with the parameters within your investment policy statement. You'll receive soft-warnings when these limits have been breached.

Notification for policy guideline breaches: At the end of each day, you can receive investment guideline monitoring reports by email to let you know where you stand in relation to your self-generated IPS checks.

J.P.Morgan ASSET MANAGEMENT	OVERVIEW TRANSACTIONS -	
My Preferences		Trade notifications
Locale	% of Total Fund Assets Limit	You may choose to receive notifications at each stage over the trade lifecycle.
Notifications	E-mail transaction notifications Send e-mail when: Trade is placed and awaiting approval Trade is approved Trade is rejected Trade is amended	

\mathfrak{D}	JPM EUR Liquidity LVNA ISIN: LU0836346345 / Fund			55	55	41.52%	9,974.35 -0.	58%	12,444,308
	* Trade Type		* Cash/Shares	* Order Quant	ity		Cut-Off Time	T	ade Date
	Purchase		Cash	500,000,00	0.00	1	Assets		t Date
							Total Fund Assets:	12,444,308,587.76 FUR	
	JPM USD Liquidity LVNA ISIN: LU0103813712 / Fund			47	73	38.14%	Expected Total Fund Conc:	4.06%	35,825
	JPM USD Liquidity VNAV ISIN: LU0011815304 / Fund		1	50	80		Expected Total Position:	505,250,362.36 EU	R 29,060
		Number: JPMNU4	1	50	80				

Concentration limits

You have the ability to set your firm's specific internal concentration limits and receive real-time warnings when a proposed trade would put you over the limit. This would also be included in end-of-day IPS emails.

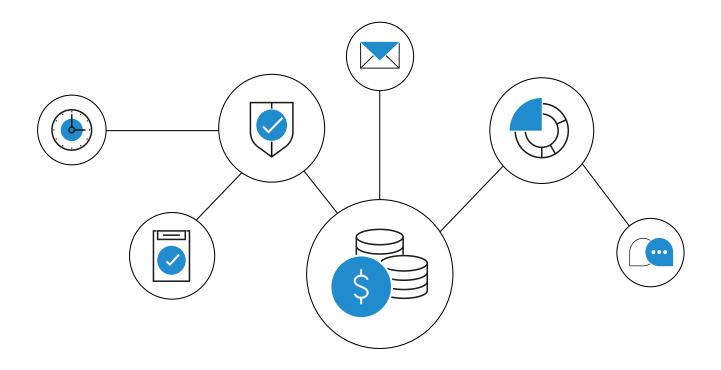
Flexible digital integration

MORGAN MONEY is built to facilitate your day-to-day operations by integrating with your existing digital infrastructure in a number of ways. This platform is designed to easily connect to client-side tools and systems, including treasury workstations, trust platforms and enterprise resource planning tools. With federated login capabilities, access to one of our integrated partner programs will allow you access to the platform without ever having to leave your system.

In addition to our partner programs, your systems can connect directly to MORGAN MONEY to facilitate end-ofday and intraday reporting of balances and dividends, monthly statements and full trading capabilities.

(Secure) File Transfer Protocol (SFTP/FTP): The platform allows you to place trades in all entitled funds through file transfer across multiple accounts and multiple settlement instructions without sacrificing the aggregation capabilities of the platform.

API: The platform allows you to place trades through API integration across multiple accounts and settlement instructions. Further, you will be able to utilize the front-end aggregation tools, retrieve statements and access historical information.



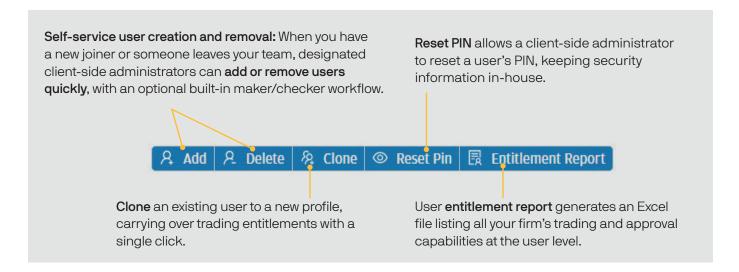
Self-service administration

MORGAN MONEY puts **user maintenance** back where it needs to be — into the hands of our clients. To facilitate user entitlement management and save time, the self-service administration tool allows client-side resources to manage fund permissions at the user level.

Make entitlement changes to **multiple users all at once**, saving you time and energy when adding new companies, accounts and funds to your profiles.

.P.Morgan			OVERVIE	W TRAM	NSACTIONS +	ANALY	rics 👻 st	TATEMENTS	DIVIDEND	S REPOI	RTS +				🖄 🃜 Weld	MORGA	
Admin																	
User Profile	Select User											I	R Add A D	elete 👌 Clo	ne 💿 Reset	Pin 🛛 Entitleme	nt Repor
Company Profile	< Admin Template	User-0	User-1	User-2	User-3	User-4	User-5	User-6	User-7	User-8	User-9	User-10	User-11	User-12	User-13	User-14	User- :
	> USER DETAILS																
	✓ USER ENTITLEMENTS																
	Company Name 🗘											¥	View	1	frade/Input	Approve/Re	
	 Company 2 Tax ID:700844295 																
	Y Account 1																
	Prime Institu CUSIP: 4812A2			29													
	> Company10 Tax ID:102020202																
	Company 11 Tax ID:726653307																

Client-side administrators are determined by you, and you have the option to set up a maker-checker process that would require approval for any changes made.



Client-side administrators have the ability to create **approval levels** at a company, account or position level, allowing you to adjust and maintain optional dual-entry security level requirements, or set up levels where a third approval is necessary.

Audit made easier

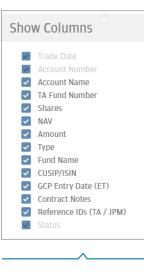
Transaction history

The platform's transaction history view provides you with up to two years of past transactions. All information is available for export to Excel or PDF and contains critical audit details, including inputer and approver fields. History can be sorted on almost any dimension and can be filtered at the account, company or account group level.

									with 0	me Morgan Money User +			
nsaction History											総	±.	The entire audit
v FILTERS Q. Search Reset	≡ Transactio	ons	Period 24-5ep-2019	11-00-2019						New Trade 🕸 🕹	🖹 Export to PDF		
✓ STATUS	Trade Date 🗧	V Account Number 0	V Fund Name 0 V	Amount 0	A Fund 💠 🐨 🕯	Account Name 🗢	⊽ туре ≎ ⊽	CUSIP/ISIN 0	 Morgan Mor Entry Date (Export to Exce		history is export
All Transactions V	Oct 2, 2019	ILF0003347			Q Search	Reset	INVEST	LU0011815304	Oct 1, 2019	Cancel Edit	Export to CSV		to PDF, Excel or (
 Account groups 	Oct 2, 2019	ILF0000808	Search Account Number				REDEEM	LU0440258258	Oct 1, 2019	Cancel Edit	Export to C3V	1	
All ×	Oct 2, 2019	ILF0003347					BEVEST	LU0533339585	Oct 1, 2019	Cancel Edit			
	Oct 2, 2019	ILF0003347	JPM USD Liquidity VNAV A (acc.)	1.00	PMNU41 /	lecount 8	INVEST	LU0011815304	Oct 1, 2019	2 PENDING APPROVAL			
V COMPANY	Oct 2, 2019	ILF0003347	JPM AUD Liquidity LVNAV C (acc.)	1.00	PMNA43 J	Account 8	BEVEST	LU0533339585	Oct 1, 2019	PENDING APPROVAL			
All ×	Oct 2, 2019	ILF0000808	JPM USD Liquidity LVNAV Institutional (dist.)	1.00	PMNU39	account 7	INVEST	LU0103813712	Oct 1, 2019	2 PENDING			
	Sep 30, 2019	ILF0003347	JPM GEP Liquidity LVNAV Capital (dist.)	500.00	PMNG34)	Account 8	INVEST	LU0268768008	Sep 27, 201	9 FAILED			
	Sep 30, 2019	ILF0003347	JPM GBP Liquidity LVNAV Capital (dist.)	500.00	PMNG34 J	lccount B	INVEST	LU0268768008	Sep 27, 201				
V ACCOUNT	Sep 30, 2019	ILF0004962	JPM GEP Liquidity LVNAV Institutional (dist.)	10,000.00	PMNG39	account 1	INVEST	LU0103815501	Sep 27, 201	g CANCELLED			
All ×	Sep 30, 2019	ILF0003347	JPM AUD Liquidity LVNAV C (acc.)	500.00	PMNA43	lccount 8	INVEST	LU0533339585	Sep 27, 201	CANCELLED			
	Sep 27, 2019	33317	IPMorgan U.S. Government Money Market Fund Institutional Shares	100,000.00	1741	Account 2	RECEEM	4812C2684	Sep 27, 201	0 CANCELLED			
	Sep 27, 2019	ILF0000808	JPM USD Liquidity LVNAV Institutional (dist.)	1,000.00	PMNU39	account 7	BYVEST	LU0103813712	Sep 27, 201	9 CANCELLED			
V BY FUND FAMILY	Sep 27, 2019	ILF0003347	JPM USD Liquidity VNAV A (acc.)	50.00	PMNU41 J	Account 8	INVEST	LU0011815304	Sep 27, 201	G CANCELLED			
JPMorgan	Sep 26, 2019	ILF0000808	JPM USD Liquidity LVNAV Institutional (dist.)	2.00	PMNU39	account 7	INVEST	LU0103813712	Sep 25, 201	9 CANCELLED			
V BY FUND TYPE	Sep 27, 2019	33316	JPMorgan Prime Money Market Fund Institutional Shares	3.00	1736)	account 1	BV/EST	481242603	Sep 27, 201	9 APPROVAL EXPIRED			
Prime Municipal	Sep 27, 2019	33316	JPMorgan Prime Money Market Fund Institutional Shares	0.03	1736 /	account 1	INVEST	4812A2603	Sep 27, 201	9 APPROVAL EXPIRED			
Government Ultra Shart	Sep 27, 2019	33316	JPMorgan Prime Money Market Fund Institutional Shares	0.03	1736	account 1	BVEST	481242603	Sep 27, 201	9 APPROVAL EXPIRED			
BY FUND Onar NI	×								L-26 of 26 items	< 1 > 407 page ~			
Search Dy Name													

Trade Date 💠 🖄	Account Number \$		Amount \$	TA Fund Number ♀ ♡	Account Name
Oct 2, 2019	ILF0003347			Q Search	Reset
Oct 2, 2019	ILF0000808	Search Account Number			
Oct 2, 2019	ILF0003347				

Convenient filter functionality is built in to the transaction history widget at a top level, providing you with the capability to filter down your account history across a number of factors.



You can also filter or sort each column, reorder columns and turn on/off display information. After you log out, your preferred views will be saved when you next visit the platform. Audit history, or trade details, are available for each trade, providing stepby-step details across the life of a trade, including who performed what step.

Trade Details	
Ref. No	D: 2804
ϕ	Sep 18, 2019 1:38pm by gcpdemo1 NEW
	Trade submitted
0	Sep 18, 2019 1:38pm
	Trade status updated from PROCESSING to SUBMITTING_TO_TA
0	Sep 18, 2019 1:38pm
	Trade status updated from SUBMITTING_TO_TA to REJECTED
	SARA_INVALID_XML

Please contact your **J.P. Morgan Asset Management** Global Liquidity or Client Services Representative

 Americas (800) 766 7722
 EMEA (352) 3410 3636

 Asia Pacific (852) 2800 2792
 jpmgloballiquidity.com

The information in this brochure is intended as an example only and should not be construed as investment advice. The products mentioned are for illustrative purposes only and may not be available for investments in your jurisdiction.

NOT FOR RETAIL DISTRIBUTION: This communication has been prepared exclusively for institutional, wholesale, professional clients and qualified investors only, as defined by local laws and regulations.

This is a marketing communication. J.P. Morgan Asset Management is the brand name for the asset management business of JPMorgan Chase & Co. and its affiliates worldwide. To the extent permitted by applicable law, we may record telephone calls and monitor electronic communications to comply with our legal and regulatory obligations and internal policies. Personal data will be collected, stored and processed by J.P. Morgan Asset Management in accordance with our privacy policies at https://am.jpmorgan.com/global/privacy. This communication is issued by the following entities: In the United States, by J.P. Morgan Investment Management Inc. or J.P. Morgan Alternative Asset Management, Inc., both regulated by the Securities and Exchange Commission; in Latin America, for intended recipients' use only, by local J.P. Morgan entities, as the case may be; in Canada, for institutional clients' use only, by JPMorgan Asset Management (Canada) Inc., which is a registered Portfolio Manager and Exempt Market Dealer in all Canadian provinces and territories except the Yukon and is also registered as an Investment Fund Manager in British Columbia, Ontario, Quebec and Newfoundland and Labrador. In the United Kingdom, by JPMorgan Asset Management (UK) Limited, which is authorized and regulated by the Financial Conduct Authority; in other European jurisdictions, by JPMorgan Asset Management (Europe) S.à r.l. In Asia Pacific ("APAC"), by the following issuing entities and in the respective jurisdictions in which they are primarily regulated: JPMorgan Asset Management (Asia Pacific) Limited, or JPMorgan Funds (Asia) Limited, or JPMorgan Asset Management Real Assets (Asia) Limited, each of which is regulated by the Securities and Futures Commission of Hong Kong; JPMorgan Asset Management (Singapore) Limited (Co. Reg. No. 197601586K), this advertisement or publication has not been reviewed by the Monetary Authority of Singapore; JPMorgan Asset Management (Taiwan) Limited; JPMorgan Asset Management (Japan) Limited, which is a member of the Investment Trusts Association, Japan, the Japan Investment Advisers Association, Type II Financial Instruments Firms Association and the Japan Securities Dealers Association and is regulated by the Financial Services Agency (registration number "Kanto Local Finance Bureau (Financial Instruments Firm) No. 330"); in Australia, to wholesale clients only as defined in section 761A and 761G of the Corporations Act 2001 (Commonwealth), by JPMorgan Asset Management (Australia) Limited (ABN 55143832080) (AFSL 376919).

For U.S. only: If you are a person with a disability and need additional support in viewing the material, please call us at 1-800-343-1113 for assistance.

J.P.Morgan

ASSET MANAGEMENT

Copyright 2023 JPMorgan Chase & Co. All rights reserved.

JPM54171 | 05/23 | 0903c02a826df8f8