



Investing in the Digital Age

Resources for Librarians

Paid for by the United States Securities and Exchange Commission

Tom Manganello February 16, 2023

SEC Disclaimer

The SEC's Office of Investor Education and Advocacy is providing this information as a service to investors. This presentation is not a statement of official SEC policy, a legal interpretation, or investment advice.

Overview of the SEC

SEC's Mission

- Protect Investors
- Maintain Fair, Orderly, and Efficient Markets
- Facilitate Capital Formation

SEC Responsibilities

- Enact rules to maintain fair, orderly and efficient markets
- Review disclosures of public companies
- Examine broker-dealers, investment advisers and other market participants
- Enforce the federal securities laws
 - Collected \$6.4 billion from 760 enforcement actions (FY 2022)
 - \$229 million paid to whistleblowers who provided original, timely, and credible information that led to a successful enforcement action (12,300 tips in FY-22)

SEC Oversees and Regulates

- 15,000 investment advisers
- 775 investment companies
- 5,200 reporting companies
- 3,500 broker-dealers
- 155,000 branch offices
- 550 municipal advisors
- 300 transfer agents
- 24 national securities exchanges

- 102 alternative trading systems
- 10 credit rating agencies
- 7 clearing agencies
- 33 Self-Regulatory
 Organizations including
 FINRA, MSRB, SIPC, FASB
 and PCAOB
- Funding portals

Size of the Markets SEC Oversees

- \$118 trillion: Annual trading in US equity markets
- \$237 trillion: Annual trading in fixed income markets
- 67 million: Number of U.S. families that held direct and indirect stock holdings (2019)

Office of Investor Education and Advocacy

- Responds to complaints and inquiries from investors, and provides educational programs and materials
- Processes over 30,000 complaints, questions and other contacts from investors annually
- Investor.gov helps investors make informed investment choices and avoid fraud

Before You Invest, Investor.gov



Introduction to Investing

Financial Tools & Calculators

Protect Your Investments

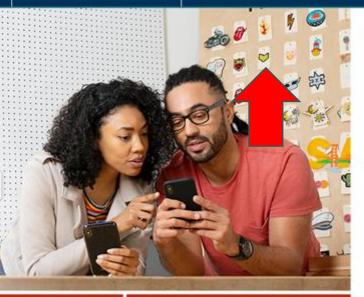
Search Investor.gov

Additional Resources



Individual - Name or CRD#

It's a great first step toward protecting your money. Learn about an investment professional's background, registration status, and more.



Financial Tools and Calculators Crypto Assets

Investing Quizzes

Investment Products

Understanding Fees

About Investment Professionals

Featured Information



World Investor Week

Learn about this global campaign promoting investor education and protection and how you can get involved.

Would you invest in HoweyTrade?

Learn how to spot and avoid fraud with our mock video for HoweyTrade, a fake fraudulent investment scheme showing investors what real scams can look like.

Investor Alerts and Bulletins



Investor Resilience - World Investor Week 2022: Investor Bulletin Oct 3, 2022

Investor Bulletin: Performance Claims Sep 15, 2022

Social Media and Investment Fraud -Investor Alert Aug 29, 2022

More Alerts and Bulletins >

Get Help



Beware of Communications Falsely Appearing to Come from the SEC

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Submit Questions and Complaints

Ask a question or report a problem

Investor.gov/librarian



Information for Librarians



Use these resources to help your patrons find investing information.

Building Wealth

Needs vs. Wants



Instant Gratification vs. Delayed Gratification

INSTANT

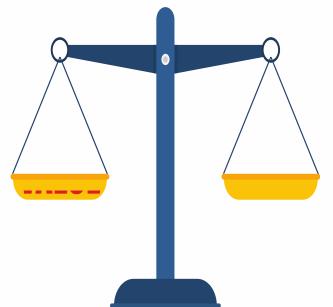
\$50,000 car

(financed over 60 months)

Est. monthly payment: \$839

Savings: \$0

Investment: \$0



DELAYED

\$25,000 car

(financed over 60 months)

Est. monthly payment: \$373

Savings: \$100/mo.

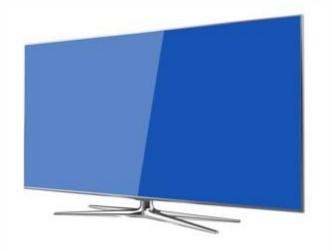
401(k): \$300/mo.

Extra spending money: \$66/mo.

the cost of credit Buying a New TV

TWO PAYMENT OPTIONS

Save up and pay cash in 2023 = \$1,000



Charge to credit card and pay monthly minimum \$35 until 2026 = \$1,315



Breakdown of \$35 monthly payment

\$15.00



\$20.00
Toward the principal

You Can Improve Your Credit

These guidelines may help:

- Pay your bills on time, every time
- Don't get close to your credit limit
- A long credit history will help your score
- Only apply for credit that you need
- Check your credit report regularly and make sure the information is correct at <u>AnnualCreditReport.com</u>

Emergency Fund

Save enough to have a buffer for life's unexpected expenses:

- Set a savings goal, such as 3-6 months of living expenses
- Take advantage of one-time opportunities, such as tax refunds or gift money
- Save automatically, such as by setting up a direct deposit to a savings account with each paycheck

Saving vs. Investing

- Saving is money typically placed in a low risk (federally insured) but low interest product (e.g. savings account) and is generally used for short-term goals or as an emergency fund to cover unexpected expenses.
- Investing is money placed at risk for the possibility of a greater return over time – and is generally used for longer-term goals such as retirement

Why Can't You Just Put All Your Money Into Savings?



Original iPhone 2007 **\$599**





iPhone 14 Pro Max **\$1,099**

Source: CNBC, photo MacWorld.com Source: Apple.com

Money Invested Grows Through Compounding

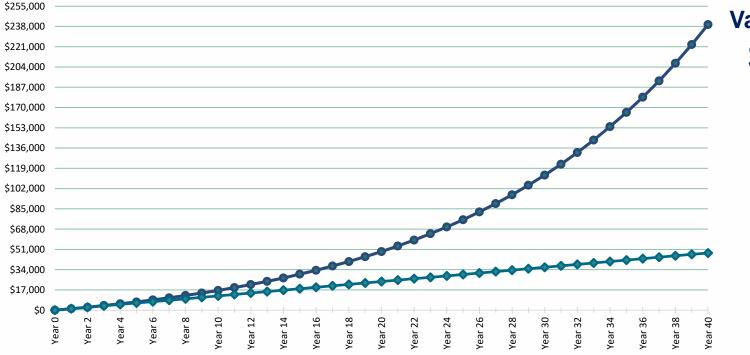


- Stocks: share price can increase; dividends can be reinvested
- Bonds: pay interest periodically; return principal at the end of bond period; can be sold on the secondary market
- Funds: underlying securities can increase in value; dividends, capital gains, or other earnings can be reinvested

compounding

How Money Grows

\$100 per month at 7.0% Average Annual Return



\$239,562

\$48,000 Contributed

S&P 500 Over 30 Years



Compounding -- the Power of Starting Early

The earlier you start, the less money you need to invest to reach your goals

	\$250,000 by 65	\$500,000 by 65
Age 25	\$104/month	\$209/month
Age 35	\$221/month	\$441/month
Age 45	\$508/month	\$1,016/month
Age 55	\$1,508/month	\$3,016/month

set it and forget it

The Advantages of **Automatic Saving and Investing**

Puts long-term wealth building on autopilot.

Invested money grows through **compounding** — your money begins to work for you!

Provides **dollar cost averaging** — when markets are down, you get to buy stocks "on sale."



Action Plan: Set up an automatic contribution to your savings account through your payroll direct deposit and try to contribute at least 5% to your 401k or workplace retirement plan. Increase your automatic contributions as you get promotions to higher pay grades.

Technology and Investing





Celebrity Endorsements

A celebrity endorsement does not mean that an investment is a good idea, legitimate, or that it is right for you.



Social Media

Chat rooms, internet videos, and newsfeeds can be riddled with bad investing advice.



Family and Friends

Your cousin may claim they are making a killing in crypto, but pause before taking their advice.



Coworker or Fellow Student

They may love to share their "expertise" or show you trades on their app but the investment may be risky or it may not be right for you.



Your Own Research

Seek out unbiased investing resources like those you can find at Investor.gov, the SEC's website for retail investors.



Play the Long Game

Investing isn't a "get rich quick" scheme—it takes time and consistency.

Alternative Investments

- Investing outside of traditional investments;
 alternative investments include: cryptocurrencies,
 ICOs, tokens, Bitcoin, private equity/venture capital,
 hedge funds, commodities, and more
- Limitations/risks: some are limited to accredited investors (high net worth/income); typically have fewer investor protections and less transparency; liquidity (ability to sell investment) can be severely limited; can be complex and have high fees

Crypto Assets

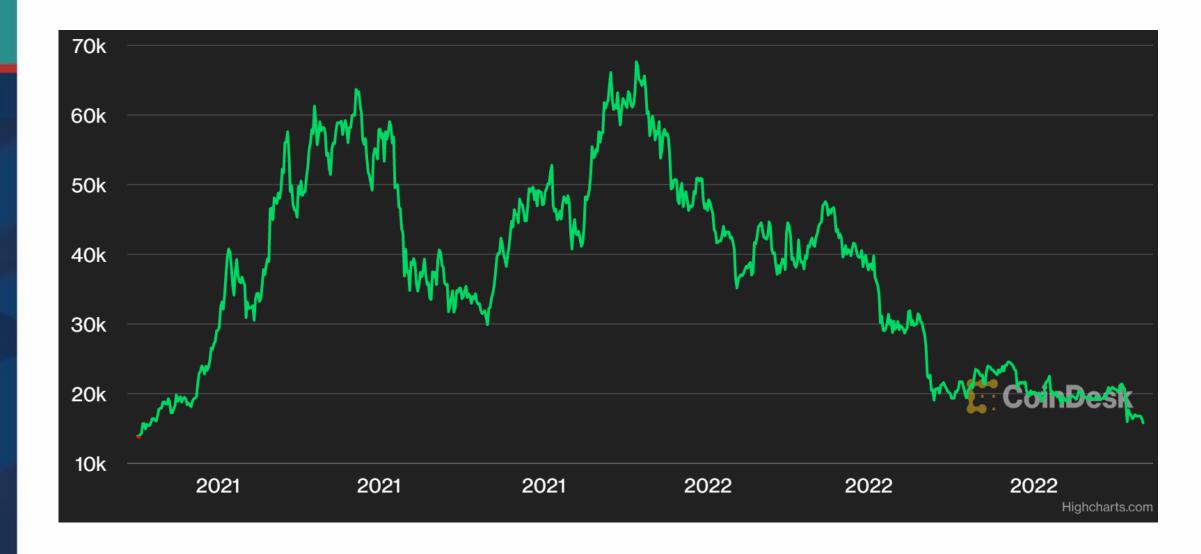
- Include digital tokens such as NFTs, and cryptocurrencies that claim to be an alternative to traditional currency
- Created and stored in digital form not physical form – using blockchain technology
- Use complex coding system making them difficult to counterfeit or duplicate



Crypto Assets are High Risk

- Limited track record
- Speculative
- Digital assets and exchanges don't have the same investor protections as stocks, bonds, and other securities

Crypto Assets are Volatile



You can lose <u>all</u> of your money when investing in risky assets.

So consider how much of your portfolio (if any) to devote to such investments





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Crypto Assets

You should know that those who are offering crypto asset investments or services may not be in compliance with applicable law, including federal securities laws. These investments also can be speculative, risky, and volatile. If you are considering an investment opportunity involving crypto assets, you may be wondering if it is legal, if it is right for you, or even whether it might be a scam. We urge you to be cautious in considering whether crypto asset investments are appropriate for you.

Here are some resources to help you better understand these complex topics:



Thinking About Buying the Latest New Cryptocurrency or Token?



Celebrity Endorsements of



SEC Crypto Assets and Cyber Enforcement Actions

Investing in the Digital Age

- Some apps or online platforms may give new investors access to complex or high-risk products or strategies – understand before you invest
- Some apps or online platforms encourage users to over-trade through gamification of trading and instant notifications on stock moves

investment fees

Fees eat up investment returns over time.

Assuming two investments have the same rate of return, the one with the lower fees will grow faster.

Actively-managed funds typically have higher fees than index (passive) funds.



Action Item: Compare fees when choosing your investments!

FINRA's Fund Analyzer Tool compares the fees of more than 30,000 mutual funds and ETFs: https://tools.finra.org/fund_analyzer/

FINRA Fund Analyzer



Tips to Avoid Fraud

Take Steps to Avoid Fraud



Mock Promotion

Educational Video

- If it sounds too good to be true, it is
- Be careful if you are asked to pay for an investment with cryptocurrency, gift cards or wires overseas
- Only use payment apps to pay vendors you trust
- Don't be pressured to buy quickly

Three Ways to Avoid Fraud:

ASK QUESTIONS

1

RESEARCH EVERY INVESTMENT OPPORTUNITY THOROUGHLY

12

CONDUCT A BACKGROUND CHECK

13

ON ANY INVESTMENT PROFESSIONAL AT INVESTOR.GOV

S SECURITIES AND EXCHANGE COMMISSION

Check Any Investment Professional

Check on Investor.gov:

- License/registration
- Employment history
- Important disclosures

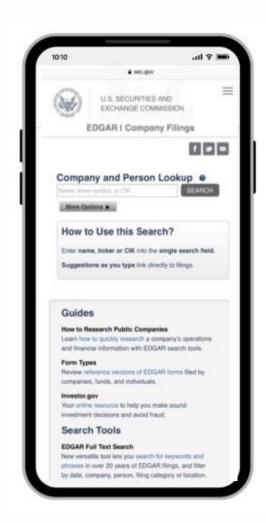


Research Any Investment Product

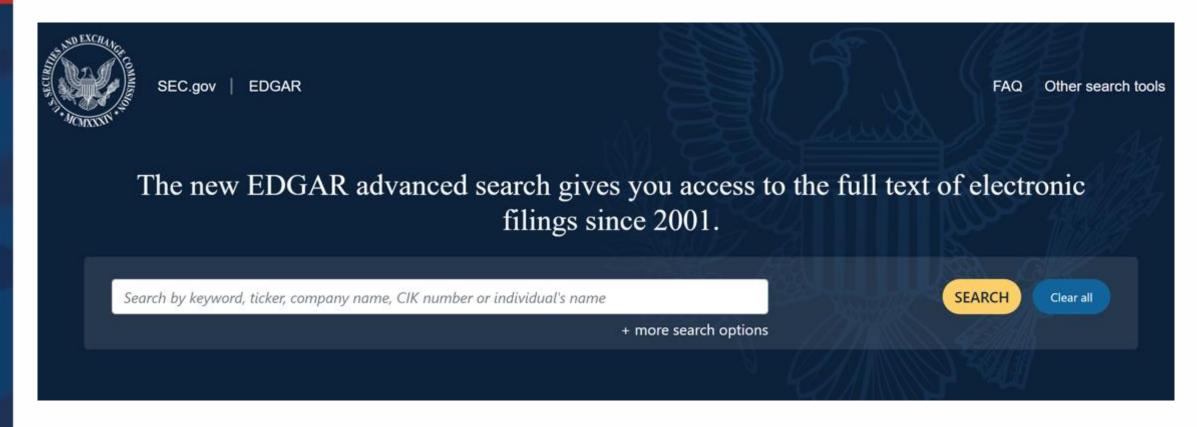
Check EDGAR:

Is the product registered with the SEC?

- Scams often involve unregistered companies
- EDGAR has important information about companies



EDGAR



https://www.sec.gov/edgar/search/

Protect Your Investments

Protect Your Investments

Research Your Investment

Do your "due diligence" by researching before you invest. Companies, bond issuers, mutual funds, and ETFs must regularly provide information to the public. Carefully review these disclosures, which are available for free on EDGAR and can help you decide if an investment is right for you.

- Researching Investments
- Five Questions to Ask Before You Invest
- 10 Ways to Use Investor.gov
- Investment Products
- Using EDGAR to Research Investments

Monitor Your Accounts

Monitor your investment accounts for any suspicious activity. You should confirm that you authorized all of the transactions that appear in your account statements and trade confirmations. Also, look out for any changes to your account information that you do not recognize (e.g., a change to your address, phone number, e-mail address, account number, or bank information).

Search the Database

Search the Database - It's a great first step toward protecting your money. Learn about an investment professional's background, registration status, and more.

Know the Fees You're Paying

As with anything you buy, there are fees and costs that come with investments. These fees may seem small, but over time they can have a major impact on your investment portfolio.

- Updated Investor Bulletin: How Fees and Expenses Affect Your Investment Portfolio
- Understanding Fees
- Investor Bulletin: Mutual Fund Fees and Expenses
- Investor Bulletin: Brokers' Miscellaneous Fees
- FINRA's Fund Analyzer 🗈

Research Your Investment Professional

Never invest your money with someone who is not licensed and registered. If you choose to work with an investment professional, start by learning about the investment professional's background, registration status, and any disciplinary history.

- Search the Database to check out an investment professional
- Investor Bulletin: Top Tips for Selecting a Financial Professional

Beware of Investment Scams

Learn the red flags of investment scams. A few minutes of your time may save you from handing over your money to fraudsters.

- What You Can Do to Avoid Investment Fraud
- Types of Fraud

Report Suspected Investment Fraud to the SEC

Use the SEC's online tip, complaint, and referral system at www.sec.gov/tcr



SEC Whistleblower's Office



www.SEC.gov/whistleblower

202-551-4790

SEC Resources



Introduction to Investing

Financial Tools & Calculators

Protect Your Investments Additional Resources



Individual - Name or CRD#

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Crypto Assets

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Investing Quizzes

Investment Products

Understanding Fees

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Información en Español

Bienvenido a Investor.gov, el recurso educativo en línea para inversionistas, publicado por la SEC. Aquí podrá encontrar alertas informativas para los inversionistas y publicaciones acerca de una amplia gama de temas, incluyendo diferentes productos de inversión, maneras de evitar el fraude y recomendaciones para la selección de un profesional financiero. Aquí puede encontrar información sobre las diferencias entre corredores de bolsa y asesores deinversión. También encontrará enlaces a otros recursos del gobierno de Estados Unidos que presentan información acerca de temas financieros. Para comunicarse con nosotros, o para enviarnos sus preguntas, o para informarnos acerca de un fraude de valores, por favor escríbanos al correo electrónico Ayuda@SEC.gov ©.

Para obtener más información acerca de la Securities and Exchange Commission, presione aquí.

Herramientas de inversión y cuestionarios

Calculadora de interés compuesto

Cuestionario sobre inversión

Alertas, boletines y publicaciones

- Alertas y boletines a inversionistas
- → Publicaciones de la SEC (en Español)
- **→ Otras Publicaciones**

Términos del glosario A Thru E F Thru O P Thru Z

Productos de inversión

Acciones

Anualidades

Certificados de depósito (CD)

Introduction to Investing

Introduction to Investing

Many people just like you turn to the markets to help buy a home, send children to college, or build a retirement nest egg. But unlike the banking world, where deposits are guaranteed by federal deposit insurance, the value of stocks, bonds, and other securities fluctuates with market conditions. No one can guarantee that you'll make money from your investments, and they may lose value.

The U.S. Securities and Exchange Commission enforces the laws on how investments are offered and sold to you. Protecting investors is an important part of our mission. We cannot tell you what investments to make, but this website provides unbiased information to help you evaluate your choices and protect yourself against fraud.

What kinds of investment products are there?

- Stocks
- Bonds
- Municipal Bonds
- Mutual Funds
- Exchange-Traded Funds (ETFs)
- Annuities
- Certificates of Deposit (CDs)
- Money Market Funds
- Commodities
- Hedge Funds
- Real Estate Investment Trusts (REITs)
- International Investing
- How can I avoid investment fraud?

Are you headed in the right direction?

Visit the Roadmap to Saving and Investing

A few people may stumble into financial security. But for most people, the only way to attain financial security is to save and invest over a long period of time. You just need to have your money work for you. That's investing.

Knowing how to secure your financial well-being is one of the most important things you'll ever need in life. You don't have to be a genius to do it. You just need to know a few basics, form a plan, and be ready to stick to it. There is no guarantee that you'll make money from investments you make. But if you get the facts about saving and investing and follow through with an intelligent plan, you should be able to gain financial security over the years and enjoy the benefits of managing your money. For more information, SEC's publication Saving and Investing: A Roadmap To Your Financial Security Through Saving and Investing.

Visit the Roadmap to Saving and Investing >

How the Markets Work

The stock market is where buyers and sellers meet to decide on the price to buy or sell securities, usually with the assistance of a broker: Let's take a closer look at what you need to know about how stocks are traded.

Learn More About How the Markets Work >

The Role of the SEC

The U.S. Securities and Exchange Commission enforces the laws on how investments are offered and sold to you. Protecting investors is an important part of our mission.

Learn More About The Role of the SEC >

Tools and Calculators

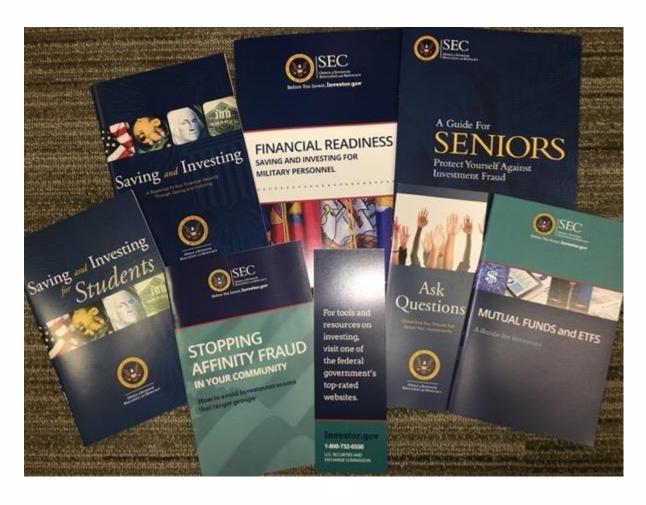
Free Financial Planning Tools

Required Minimum Distribution Calculator Determine how much you are required by IRS regulations to withdraw from your retirement GO TO CALCULATOR Compound Interest Calculator and Savings Goal Calculator See how your invested money can grow over time through the power of compound interest, or use the savings goal calculator to find out how much you need save to reach a specific GO TO CALCULATOR **Social Security Retirement** Estimator Get a personalized Social Security benefit estimate to help you plan for retirement. Note the Social Security Administration, to utilize GO TO ESTIMATOR Retirement Ballpark Estimator Determine approximately how much you need to save in order to live comfortably in GO TO ESTIMATOR Mutual Fund Analyzer See how fees and expenses associated with a variety of funds can impact the value of you as GO TO ANALYZER 529 Expense Analyzer

return you receive when invested in a plan.

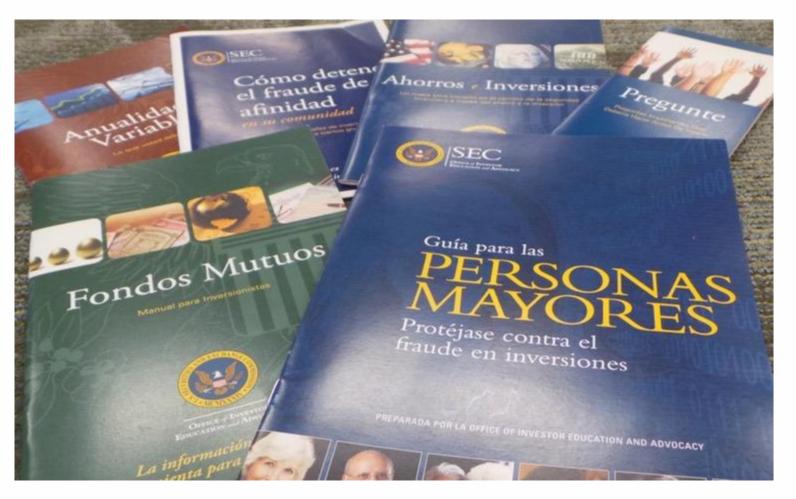
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Email: Outreach@SEC.gov

Publications in Spanish

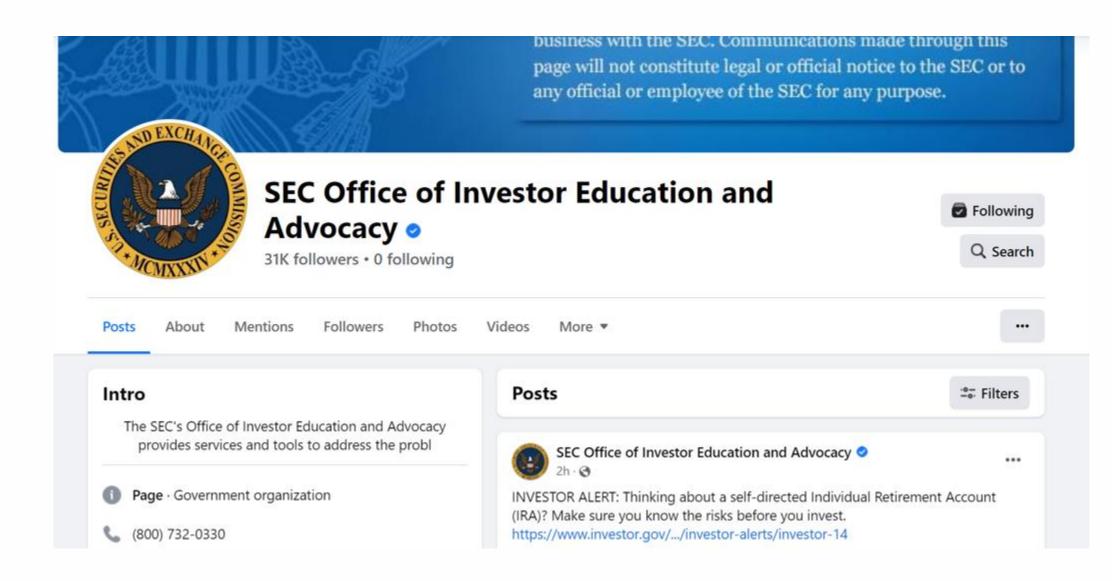


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The U.S. Securities and Exchange Commission is working on cybersecurity & cyber hygiene policy around public issuers' incident reporting & on data privacy in relation to the financial sector-so you're not spooked about where your data is.

Happy Halloween & Happy last day of #CybersecurityAwarenessMonth... READ MORE

Office Hours with Gary Gensler Play all





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What Are Bonds?

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1 Think I May Be a Victim of Investment Fraud, What...

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What Questions Should I Ask : What's an IRA? Before Hiring an Investment...

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How Do I Ask the SEC a Question?

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: What Exactly Are Stocks?

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- Tips to Protect Your Investment and Financial Accounts from Phishing, Smishing, and Vishing Scams
- Understanding Margin Accounts
- Characteristics of Mutual Funds and Exchange-Traded Funds
- How to Select an Investment Professional

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