

is pcloud crypto worth it

Is pCloud Crypto Worth It? A Comprehensive Analysis

is pcloud crypto worth it is a question many security-conscious individuals and businesses ponder when considering cloud storage solutions. In today's digital landscape, safeguarding sensitive data is paramount, and encrypted storage offers a robust layer of protection. pCloud's Crypto feature promises an elevated level of privacy through client-side encryption, but does it deliver on its promises and justify the added cost? This article will delve deep into the features, benefits, limitations, and pricing of pCloud Crypto, empowering you to make an informed decision about whether it aligns with your specific data security needs. We will explore the technical aspects of its encryption, compare it to standard pCloud offerings, and analyze its value proposition for various user types.

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Understanding pCloud Crypto

pCloud Crypto is an optional add-on service for pCloud users that provides an extra layer of security for your stored files. Unlike the standard encryption methods employed by most cloud storage providers, which are typically server-side, pCloud Crypto utilizes client-side encryption. This fundamental difference means that your files are encrypted on your device before they are uploaded to pCloud's servers. This significantly enhances privacy because only you hold the encryption keys necessary to decrypt your data.

The core concept behind pCloud Crypto is Zero Knowledge encryption. This means that pCloud itself, as the service provider, has no access to your encryption keys and therefore cannot decrypt or view the contents of your Crypto folders. This makes it an attractive option for individuals and organizations dealing with highly sensitive information, such as financial records, confidential business documents, personal health information, or legal contracts. The implementation of client-side encryption is a critical distinction that sets pCloud Crypto apart from many other cloud storage solutions.

Key Features of pCloud Crypto

pCloud Crypto offers a suite of features designed to provide robust data protection and seamless integration into your workflow. These features aim to make secure cloud storage as convenient as possible while maintaining a high standard of privacy.

Zero-Knowledge Client-Side Encryption

This is the cornerstone of pCloud Crypto. Your files are encrypted on your local device using a unique encryption key and a pass-phrase that only you know. Even if pCloud's servers were compromised, your encrypted files would remain unintelligible without your pass-phrase. This provides an unparalleled level of security against unauthorized access.

Dedicated Crypto Folder

Files and folders designated as "Crypto" are automatically encrypted upon upload. This creates a secure vault within your pCloud account, ensuring that only the most sensitive data is subjected to this advanced level of protection. You can easily distinguish your Crypto folder from your regular pCloud storage.

Cross-Platform Access and Sync

pCloud Crypto is accessible across all major platforms, including Windows, macOS, Linux, iOS, and Android. Your encrypted files will sync automatically across all your linked devices, ensuring you have access to your secure data wherever you are, without compromising its confidentiality. This synchronized access is crucial for maintaining productivity.

Optional Pass-phrase and Encryption Key

You have direct control over your encryption. A unique pass-phrase is generated when you activate Crypto, and this, along with your encryption key, is the only way to decrypt your files. It is vital to store this pass-phrase and key securely, as pCloud cannot recover them for you.

File Versioning for Crypto Files

Similar to the standard pCloud service, Crypto folders also benefit from file versioning. This means that if you accidentally overwrite a file or make unwanted changes, you can revert to previous versions of your encrypted documents, providing an additional layer of data recovery protection.

Benefits of Client-Side Encryption

The advantages of employing client-side encryption, as offered by pCloud Crypto, extend beyond mere security. They fundamentally alter the trust model between the user and the cloud provider, offering significant peace of mind and control.

Enhanced Privacy and Confidentiality

The primary benefit is the assurance that no third party, including pCloud, can access the content of your encrypted files. This is crucial for individuals and businesses who handle sensitive personal data, financial information, intellectual property, or proprietary business strategies. The "Zero Knowledge" aspect means your data remains truly private.

Protection Against Server Breaches

In the unfortunate event of a data breach on pCloud's servers, your encrypted files would be rendered useless to the attackers. Since the encryption and decryption happen on your device, the attackers would only gain access to scrambled data that cannot be deciphered without your unique pass-phrase.

Compliance with Strict Data Regulations

Many industries are subject to stringent data privacy regulations, such as GDPR, HIPAA, or CCPA. Client-side encryption can help organizations meet these compliance requirements by demonstrating that they are taking robust measures to protect sensitive customer or patient data from unauthorized access.

Greater User Control

With client-side encryption, you are in complete control of your encryption keys and pass-phrases. This gives you ultimate authority over who can access your data. You don't have to rely solely on the security practices of the cloud provider to protect your information.

Limitations and Considerations

While pCloud Crypto offers substantial security benefits, it's essential to be aware of its limitations and the responsibilities that come with using client-side encryption. Understanding these aspects will help you determine if it's the right solution for your needs.

Loss of Pass-phrase Means Loss of Data

This is the most critical limitation. If you lose your encryption pass-phrase, there is no way for pCloud or anyone else to recover your encrypted files. This underscores the absolute necessity of securely storing and backing up your pass-phrase. A forgotten pass-phrase equates to permanent data loss.

Performance Impact on Large Files

Encrypting and decrypting large files can consume significant processing power and take more time, especially on less powerful devices. While pCloud's implementation is generally efficient, users with extremely large files and older hardware might notice a slight performance difference during uploads and downloads of Crypto-enabled content.

No Server-Side Search or Preview for Encrypted Files

Because the files are encrypted on your device, pCloud's servers cannot index the content of your Crypto folders. This means you cannot perform server-side searches within your encrypted files, nor can you preview them directly through the pCloud web interface without decrypting them first. You will need to download and decrypt them locally to access their content or search within them.

Additional Cost

pCloud Crypto is an add-on service and is not included in the standard pCloud subscription plans. This means an additional recurring fee or a one-time lifetime payment is required to use the feature. This cost needs to be weighed against the perceived value and the sensitivity of the data you intend to protect.

Pricing and Value Proposition

The decision of whether pCloud Crypto is worth it often comes down to its pricing structure and the perceived value it offers for your specific use case. pCloud offers a lifetime subscription for its Crypto add-on, which can be an attractive proposition for long-term users.

- **Lifetime Pass:** pCloud Crypto can be purchased as a one-time payment for lifetime access. This often represents the best value for users who plan to use pCloud for an extended period, as it avoids recurring monthly or annual fees.
- **Subscription Plans:** While the lifetime option is popular, there might be subscription-based

alternatives or bundled offers depending on pCloud's current promotions. It's always advisable to check their official website for the most up-to-date pricing.

- **Value Assessment:** The value of pCloud Crypto is directly tied to the sensitivity of the data you are storing. If you are storing highly confidential business secrets, sensitive personal identifiable information (PII), or financial data, the cost of the Crypto add-on is likely to be a small price to pay for the peace of mind and security it provides. For users storing primarily non-sensitive personal files or public documents, the additional cost might not be justifiable.

Comparing the cost of pCloud Crypto to the potential financial and reputational damage of a data breach or privacy violation can help in assessing its true worth. For many, the investment in robust, client-side encryption is a proactive measure that safeguards against far greater potential losses.

Who Should Consider pCloud Crypto?

The decision to invest in pCloud Crypto is highly personal and depends on your specific needs and the nature of the data you intend to store. However, several user profiles can greatly benefit from this advanced encryption solution.

- **Businesses with Sensitive Data:** Companies handling customer PII, financial records, trade secrets, or confidential project plans will find pCloud Crypto indispensable. It helps meet compliance requirements and protects against corporate espionage.
- **Professionals in Regulated Industries:** Lawyers, doctors, financial advisors, and journalists often handle extremely sensitive and confidential information. pCloud Crypto provides an essential layer of security to maintain client privilege and journalistic integrity.
- **Privacy-Conscious Individuals:** Anyone who prioritizes digital privacy and wants to ensure their personal documents, photos, and communications remain confidential from potential surveillance or data miners will benefit.
- **Activists and Whistleblowers:** For individuals who may be at risk of targeted surveillance or reprisal, client-side encryption is a critical tool for protecting their communications and sensitive information.
- **Users Storing Highly Sensitive Personal Information:** This includes private journals, medical records, tax documents, or any personal data that, if exposed, could lead to identity theft or significant personal distress.

Essentially, if the thought of your data being accessed by anyone other than yourself causes significant concern, then pCloud Crypto is worth serious consideration. It shifts the control of encryption entirely into your hands.

Alternatives to pCloud Crypto

While pCloud Crypto offers a compelling solution for client-side encryption, it's wise to be aware of other options available in the market for secure cloud storage. Each alternative has its own strengths and weaknesses, and understanding them can help you make the best choice for your needs.

- **Proton Drive:** Developed by the creators of ProtonMail, Proton Drive offers end-to-end encryption for all files stored on its platform. It emphasizes privacy and security and is a strong contender for those seeking zero-knowledge cloud storage.
- **Sync.com:** Sync.com is another cloud storage service that provides end-to-end encryption for all your files. It focuses on privacy and security, offering robust features for both personal and business use.
- **Tresorit:** Tresorit is a highly secure, end-to-end encrypted cloud storage service often favored by businesses and organizations that require the highest levels of security and compliance.
- **Cryptomator:** This is not a cloud storage provider itself but an open-source encryption tool that can be used with any cloud storage service (like Google Drive, Dropbox, OneDrive, or even pCloud's standard offering). You encrypt your files locally using Cryptomator, and then upload the encrypted container to your preferred cloud.
- **Standard pCloud Encryption:** It's important to remember that even without Crypto, pCloud encrypts data in transit and at rest using server-side encryption. This is a good level of security for many users but lacks the zero-knowledge guarantee of client-side encryption.

When evaluating alternatives, consider factors such as ease of use, pricing, storage capacity, collaboration features, and the specific type of encryption offered. For those prioritizing absolute control and privacy, client-side encryption solutions like pCloud Crypto, Proton Drive, and Sync.com, or using a tool like Cryptomator with your existing cloud storage, are the most robust options.

Ultimately, the question of "is pCloud Crypto worth it?" hinges on your individual or organizational data security priorities. For users who demand the highest level of privacy and control over their sensitive information, the added security and peace of mind offered by pCloud Crypto make it a highly valuable, and

often essential, investment.

FAQ

Q: What is the difference between standard pCloud encryption and pCloud Crypto?

A: Standard pCloud encryption involves server-side encryption, meaning your files are encrypted on pCloud's servers. pCloud Crypto utilizes client-side encryption, where files are encrypted on your device before being uploaded, ensuring only you have the keys to decrypt them (Zero Knowledge).

Q: Can pCloud recover my Crypto pass-phrase if I forget it?

A: No, pCloud cannot recover your Crypto pass-phrase. It is a core security feature of Zero Knowledge encryption that the provider has no access to your keys. Losing your pass-phrase means permanent loss of access to your encrypted files.

Q: Does pCloud Crypto affect the speed of file uploads and downloads?

A: Yes, there might be a slight performance impact, especially with very large files, as your device needs to perform the encryption and decryption processes. However, pCloud's implementation is generally efficient.

Q: Can I search for files within my pCloud Crypto folder directly on the pCloud website?

A: No, you cannot perform server-side searches or previews within Crypto folders. Because the files are encrypted, pCloud's servers cannot index their content. You will need to download and decrypt them locally to search or view their contents.

Q: Is pCloud Crypto a one-time purchase or a subscription?

A: pCloud Crypto is typically offered as a lifetime add-on, meaning you pay a one-time fee for permanent access to the feature with your pCloud account.

Q: What happens if pCloud goes out of business?

A: If you have your Crypto pass-phrase, you can still access and decrypt your files. You would need to download them and use an alternative method or software to decrypt them, assuming the encryption algorithm remains decipherable.

Q: Is pCloud Crypto suitable for general file storage or only highly sensitive data?

A: While pCloud Crypto is designed for sensitive data, you can use it for any files you wish to protect with Zero Knowledge encryption. However, for non-sensitive files, the added encryption process and potential lack of server-side features might be considered unnecessary overhead.

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Learn architecture design patterns and access code samples for building Web3 apps in the cloud Master the latest tools and cloud technologies for integrating DevOps in blockchain applications Strengthen your understanding of cloud-native blockchain through real-world use cases and best practices Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionAs Web3 technologies continue to gain momentum across industries, businesses are looking for new ways to leverage the benefits of Web3 and stay at the forefront of technological innovation. This comprehensive guide offers an in-depth exploration of cloud-native blockchain fundamentals, providing valuable insights into the benefits and challenges of deploying these technologies in the cloud. From foundational concepts to advanced techniques, the book covers everything you need to know about developing and deploying secure, scalable blockchain solutions on AWS, Azure, and GCP. Through hands-on tutorials and projects, you'll explore the latest tools, technologies, real-world use cases, and best practices to expand your understanding of the field's complexities and opportunities. This book ensures easy comprehension through practical examples and access to source code on GitHub. As you advance, you'll master platform selection and apply your newfound knowledge to tackle complex problems and deliver innovative cloud-native blockchain solutions tailored for your specific needs. By the end of this book, you'll have a deep understanding of cloud-native blockchain deployment and implementation, and you'll be equipped with the skills and knowledge to build secure and scalable solutions.

What you will learn Discover the benefits and challenges of deploying Web3 solutions in the cloud Deploy secure and scalable blockchain networks leveraging AWS, Azure, and GCP resources Follow step-by-step tutorials and code samples to build Web3 solutions in the cloud Use hosted Kubernetes platforms, such as EKS, AKS, and GKE, for custom blockchains Compare the blockchain capabilities and offerings of AWS, Azure, and Google Cloud Familiarize yourself with the tools and techniques for automating DevOps practices tailored to Web3 apps

Who this book is for The book is for cloud developers and DevOps engineers who want to leverage blockchain technologies in their cloud-native solutions. Whether you're an IT professional deploying and maintaining Web3 solutions in the enterprise or in public settings, or a business leader evaluating blockchain's potential, this resource is invaluable. Entrepreneurs, students, academics, and hobbyists exploring the latest Web3 development trends will also benefit from this book. Prior knowledge of cloud computing and blockchain concepts is recommended to make the best use of the expert insights, hands-on tutorials, and real-world use cases presented.

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created and transmitted to other sources. Fog computing has many benefits, such as reduced latency in processing data, better response time that helps the user's experience, and security and privacy compliance that assures protecting the vital data in the cloud. It also reduces the cost of bandwidth, because the processing is achieved in the cloud, which reduces network bandwidth usage and increases efficiency as user devices share data in the local processing infrastructure rather than the cloud service. Fog computing has various applications across industries, such as agriculture and farming, the healthcare industry, smart cities, education, and entertainment. For example, in the agriculture industry, a very prominent example is the SWAMP project, which stands for Smart Water Management Platform. With fog computing's help, SWAMP develops a precision-based smart irrigation system concept used in agriculture, minimizing water wastage. This book is divided into three sections. The first section studies fog computing and machine learning, covering fog computing architecture, application perspective, computational offloading in mobile cloud computing, intelligent Cloud-IoT systems, machine learning fundamentals, and data visualization. The second section focuses on applications and analytics, spanning various applications of fog computing, such as in healthcare, Industry 4.0, cancer cell detection systems, smart farming, and precision farming. This section also covers analytics in fog computing using big data and patient monitoring systems, and the emergence of fog computing concerning applications and potentialities in traditional and digital educational systems. Security aspects in fog computing through blockchain and IoT, and fine-grained access through attribute-based encryption for fog computing are also covered. Audience The book will be read by researchers and engineers in computer science, information technology, electronics, and communication specializing in machine learning, deep learning, the cyber world, IoT, and security systems.

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Big Data and Cloud Computing.

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at the heart of the digital economy. Whether you're curious about how cryptocurrencies are created, looking to build a mining rig, or exploring ways to turn crypto mining into a long-term venture, this book provides the clarity and depth you've been searching for. Unlock the secrets behind one of the most revolutionary systems of our time. From foundational concepts to expert strategies, this guide takes you through every layer of Bitcoin mining, revealing how everyday individuals and tech entrepreneurs alike are participating in—and profiting from—this global network. Inside This Book, You'll Discover: How blockchain technology powers mining and secures the Bitcoin network What it takes to move from a basic CPU miner to advanced ASIC setups How to build, optimize, and maintain your own mining rig Why mining pools exist and how to choose the right one How rewards and halving events affect profitability and long-term planning The real costs behind mining, from electricity to hardware lifespan What cloud mining is, and whether it's worth it for you This book doesn't just explain what Bitcoin mining is—it shows you how to get started and what lies ahead. You'll learn to calculate profitability, manage operational expenses, navigate legal frameworks, and prepare for emerging trends that could redefine the crypto mining landscape. Whether you're a beginner or someone with basic knowledge looking to level up, Bitcoin Mining offers a complete, no-fluff guide to this essential piece of the cryptocurrency puzzle. Scroll Up and Grab Your Copy Today!

is pcloud crypto worth it: [Bitcoin Investment KnowHow Made Easy](#) Hillary Scholl, 2018-01-06

Has the Crypto-Currency Reached its Peak as Bitcoin Blasts Through \$15000 Barrier with Dramatic Rise Bitcoin is Making Headlines Bitcoin is changing financing in the same way that the internet changed publishing! What does the media say about Bitcoin? Fortune.com - 7th Dec 2017: Bitcoin Blasts Through \$15,000 Barrier Despite Bubble Warnings Business Insider US - Bitcoin heading for \$10,000 as crypto market cracks \$300 billion USA Today- Nov 18th 2013 : "Lawmakers are grappling with how and whether to regulate the virtual currency" Forbes- Nov 19th 2013 : "If you want to join the ... party, be my guest. The value of a Bitcoin in dollar terms has tripled in the past month as the price has gone parabolic. Who's to say it can't triple again in the next month?" For those of you who keep track of the value of Bitcoin, you no doubt see all the fluctuations that are connected to this digital currency. Some people wonder if this means that there is a threat to the entire crypto-currency platform or not? In the recent past the popularity of Bitcoin has gained new attention. The number of online and offline retailers accepting Bitcoin has grown substantially. One huge attraction of Bitcoin is that it has very low transactions fees associated with it. This is because no bank or government has control over this digital currency. Because Bitcoin is basically a code, could a group of users get together and try to gain control? This is thought to be highly unlikely due to the verification process of each transaction. As the history of Bitcoin only dates back to 2009 it is still very early in the evolution of this currency. It is difficult to predict the future and what will happen. As Bitcoin stands today it has no country boundaries and this is one aspect that people love. All transactions are done via keys with no names or identities attached to them. Investors are becoming passionate about Bitcoin due to the lack of government involvement. They love that the banks can't dictate the value of this currency or assign transaction or exchange fees to it. For a monopolizing threat to be real to Bitcoin, it would need to involve massive amounts of computer power and technology. If any one person or group would be willing to go this far, only time will tell. If you are considering entering the Bitcoin bubble, most experts suggest the 'now rather than later' approach. Any type of digital currency or stock market trading can be volatile. You just need to be aware of the risks and you must be willing to accept them. Feeling Confused? Not to worry you are not alone. One of the biggest issues with any digital currency is not knowing how to get started. Some of the most common questions asked about Bitcoin include: What is cryptocurrency? What is Blockchain Technology? What is Bitcoin and how does it work? What are the other popular digital currencies? What are the coins market caps? How can you start your own cryptocurrency exchanges? Where can you make cryptocurrency exchanges? How do I buy and trade Bitcoins and the best places to do so? How do I prevent theft from my Bitcoin wallet? How do I store Bitcoins the easy way? Bitcoin Investment KnowHow Made Easy will help you understand the latest status of

working with this popular currency

is pcloud crypto worth it: Security and Risk Analysis for Intelligent Cloud Computing

Ajay Kumar, Sangeeta Rani, Sarita Rathee, Surbhi Bhatia, 2023-12-19 This edited book is a compilation of scholarly articles on the latest developments in the field of AI, Blockchain, and ML/DL in cloud security. This book is designed for security and risk assessment professionals, and to help undergraduate, postgraduate students, research scholars, academicians, and technology professionals who are interested in learning practical approaches to cloud security. It covers practical strategies for assessing the security and privacy of cloud infrastructure and applications and shows how to make cloud infrastructure secure to combat threats and attacks, and prevent data breaches. The chapters are designed with a granular framework, starting with the security concepts, followed by hands-on assessment techniques based on real-world studies. Readers will gain detailed information on cloud computing security that—until now—has been difficult to access. This book: • Covers topics such as AI, Blockchain, and ML/DL in cloud security. • Presents several case studies revealing how threat actors abuse and exploit cloud environments to spread threats. • Explains the privacy aspects you need to consider in the cloud, including how they compare with aspects considered in traditional computing models. • Examines security delivered as a service—a different facet of cloud security.

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Quentin Docter, Cory Fuchs, 2020-01-22 Prepare for success on the New Cloud Essentials+ Exam (CLO-002) The latest title in the popular Sybex Study Guide series, CompTIA Cloud Essentials+ Study Guide helps candidates prepare for taking the NEW CompTIA Cloud Essentials+ Exam (CLO-002). Ideal for non-technical professionals in IT environments, such as marketers, sales people, and business analysts, this guide introduces cloud technologies at a foundational level. This book is also an excellent resource for those with little previous knowledge of cloud computing who are looking to start their careers as cloud administrators. The book covers all the topics needed to succeed on the Cloud Essentials+ exam and provides knowledge and skills that any cloud computing professional will need to be familiar with. This skill set is in high demand, and excellent careers await in the field of cloud computing. Gets you up to speed on fundamental cloud computing concepts and technologies Prepares IT professionals and those new to the cloud for the CompTIA Cloud Essentials+ exam objectives Provides practical information on making decisions about cloud technologies and their business impact Helps candidates evaluate business use cases, financial impacts, cloud technologies, and deployment models Examines various models for cloud computing implementation, including public and private clouds Identifies strategies for implementation on tight budgets Inside is everything candidates need to know about cloud concepts, the business principles of cloud environments, management and technical operations, cloud security, and more. Readers will also have access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a glossary of key terms.

is pcloud crypto worth it: Cryptocurrency Investing For Dummies

Kiana Danial, 2023-03-28 From Bitcoin to Solana, the safe and secure way to invest in cryptocurrencies Cryptocurrency Investing For Dummies, the bestselling guide to getting into the exciting world of crypto, is updated for today's cryptocurrency markets. Currencies like Bitcoin, Ethereum, Solana, and XRP are gaining popularity, and this trusted guide can help you strike while the iron is hot to profit from the explosive growth in cryptocurrency. We'll help you understand decentralized currency, get started with leading crypto exchanges and brokers, learn techniques to buy and sell, and strategize your crypto portfolio. You'll even dig into the details on cryptocurrency tax laws and new opportunities for investors. Gain the tools you need to succeed in the cryptocurrency market Learn about the newest cryptocurrencies on the market and how to evaluate them Develop a strategy for reaping outsized gains using crypto exchanges Understand how cryptocurrencies interact with virtual worlds This is the perfect Dummies guide for investors who are new to the cryptocurrency market or first-time investors who want to add cryptocurrency to their portfolio. Get started on your crypto adventure.

is pcloud crypto worth it: Risk-Based Approach to Secure Cloud Migration Minakshi, Kumar, Tarun, 2025-04-16 As cloud computing continues to revolutionize industries, ensuring robust security measures is crucial to protecting sensitive data and maintaining operational integrity. The rapid expansion of cloud services introduces new vulnerabilities, making strong security frameworks essential. By implementing advanced encryption, access controls, and continuous monitoring, organizations can mitigate threats while maximizing the benefits of cloud technology. Secure cloud migration strategies and incident response planning further enhance resilience, ensuring business continuity in the face of evolving cybersecurity challenges. As reliance on cloud infrastructure grows, developing expertise in cloud security is vital for organizations and professionals striving to safeguard digital assets in an increasingly interconnected world. Risk-Based Approach to Secure Cloud Migration is a reliable source of knowledge for further exploration and experimentation in cloud security due to the extensive coverage of the latest trends and challenges in cloud security. It facilitates the dissemination of unique concepts and the development of innovative cloud security solutions. Covering topics such as load balancing, smart grid functional technology (FT) services, and multifactor authentication (MFA), this book is an excellent resource for IT professionals, cloud service providers, security professionals, researchers, professionals, scholars, academicians, and more.

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