

Week 9

Crypto Applications & Sectors



An Overview of Cryptocurrency Sectors

Advertising

- Advertising. Its an inevitable part of using the internet today and almost all of it is unwelcome and unwanted by the end-users. Internet advertising companies and their middlemen have become the bane of the internet by throwing their garbage up on every website that's filled with spam, malware, and loads of unwanted content that slows down the website of the thing you actually want to see. Even worse, ads are the main source of the notorious data collection and privacy invasion that has affected everyone that uses the internet.
- However, companies are using cryptocurrency to change this outdated business model and replace it with something that respect's user's privacy and even rewards them for looking at advertisements.
- **Basic Attention Token-**
- Adshares-

Analytics

- With so much data to sort through, crypto traders and users will inevitably need analytics tools to make better decisions. Companies will be much better off relying on fast, decentralized protocols for their analytics rather than slow, centralized locations.
- **The Graph(GRT)-**
- **PARSIQ-**
- **DEX Tools-**

Artificial Intelligence

- The market for Artificial intelligence is projected to have huge growth throughout the 2020s and beyond. As the world exponentially produces more and more data, it will become harder for centralized entities to process all of this information. But when the same task is spread among thousands of computers on the same networks, all competing for rewards, it becomes a much more efficient model.
- **Ocean Protocol-**
- **SingularityNET-**
- **Fetch.ai-**

Art

The background of the image is a dark gray field filled with a complex network of thin, translucent lines. These lines, in shades of light red and white, connect various points to form a multitude of geometric shapes, including triangles, quadrilaterals, and larger, more irregular polygons. Some shapes are more prominent and clearly defined, while others are faint and partially obscured by the overlapping lines, creating a sense of depth and dynamic movement. The overall effect is that of a digital or network-based art piece.

Business Services

The background of the slide is a dark gray color. It is decorated with a complex network of thin, light red and white lines that connect various points, creating a web-like or molecular structure. Some of these lines form distinct geometric shapes, such as triangles and polygons, scattered across the page. The overall aesthetic is modern and technological.

Business Services (continued)

The background of the slide is a light grey gradient. It is decorated with an abstract pattern of thin, intersecting lines in a muted red and a light cream color. These lines form various geometric shapes, including triangles, polygons, and star-like patterns, creating a modern, network-like aesthetic.

Cannabis

The background of the slide is a dark grey color. It is decorated with a complex network of thin, light red and white lines that form various geometric shapes, including triangles, quadrilaterals, and polygons. Some of these shapes are filled with a semi-transparent red color, while others are just outlines. The lines and shapes are scattered across the entire background, creating a modern, abstract, and somewhat crystalline aesthetic.

Centralized Exchange Tokens

The background of the slide features an abstract, low-poly geometric pattern. It consists of various interconnected lines and shapes in shades of red and white, set against a dark gray background. The lines vary in thickness and opacity, creating a sense of depth and complexity. Some shapes resemble triangles and polygons, while others are more irregular and fragmented. The overall effect is a modern, tech-oriented aesthetic.

Communications

- Social media has become a double-edge sword for society. For good, it has connected millions of people through social networks. But as we all know, this is not without letting these soulless companies spy on every aspect of our lives. Blockchain protocols seek to provide all the benefits of social media, without the user being forced to give up their private information.
- **Decentralized Social-**
- **Mask Network-**
- **iMe Lab-**

Computing

The background of the slide is a dark gray color. It is decorated with a complex network of thin, light red and white lines. These lines form various geometric shapes, including triangles, quadrilaterals, and larger, more irregular polygons. Some of these shapes are filled with a very light, semi-transparent red color. The overall effect is a modern, digital, and abstract aesthetic.

Content Creation

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Crowdfunding/Charity

The background of the slide is a light grey gradient. It is decorated with an abstract pattern of thin, intersecting lines in red and white. These lines form various geometric shapes, including triangles, polygons, and star-like patterns, creating a complex, network-like visual effect.

Cybersecurity

- If there is one thing that big companies today absolutely hate, its hackers. With millions, if not billions, of dollars worth of assets and data on the line, major firms must take their cybersecurity practices very seriously in today's age of interconnectivity.
- One-way blockchain seeks to advance the cybersecurity industry is by creating networks of trustless smart contracts that will detect threats and deal with them faster than a human could.
- **Shentu-**

Debit Cards





Deflationary

Derivatives

- Decentralized option and futures trading has potential to be one of the biggest markets in crypto while there is still fiat money everywhere. There are multiple platforms across the internet that trade derivatives and options based in crypto.



DEX



eCommerce

Education

The background of the slide is a dark gray field filled with a complex network of thin, light red and white lines. These lines form various geometric shapes, including triangles, quadrilaterals, and larger, more intricate polygons. Some lines are thicker and more prominent, while others are thin and delicate, creating a sense of depth and movement. The overall effect is a modern, abstract, and somewhat futuristic aesthetic.

Energy

- The global economy runs on electricity, therefore, all other economic activity is based around the production and consumption of energy. A trustless model of electricity distribution has the potential to revolutionize the energy market and make all electricity cheaper for developed countries, as well as more accessible poorer countries who have less production.
- **Powerledger-**
- **Energy Web Token-**

Entertainment

The background of the image is a solid light grey. Overlaid on this are numerous thin, translucent lines in a pale red or pink color. These lines are connected at various points, some of which are marked with small, solid red dots. The lines and dots form a complex, abstract network of geometric shapes, including triangles, quadrilaterals, and larger, more irregular polygons. Some shapes are more prominent than others, creating a sense of depth and movement. The overall effect is a modern, digital, and somewhat futuristic aesthetic.

Exchange

- Many centralized exchanges will offer their own token as a method a raising capital for liquidity. These kinds of coins are much more resembling of stocks, but they can still be traded for other coins and move around just like most other cryptos.

Fan Tokens



Gambling

- One of the first uses for cryptocurrency, and currently one of the largest uses legal or illegal, is gambling. After all, permission-less transactions do allow for just about anyone to interact with online casinos without having to go through a bank.
- One of the most famous of these casinos is Robot. This casino hosts many online betting games, normal casino games like slots and blackjack, but also different games like **Crash**. This website has gained a sinister reputation for allegedly paying online influencers to promote the site to children and underage people, with Youtubers like the **NelkBoys** constantly showing off their amazing wins on the site, while also hiding their losses.

Governance

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Healthcare

The background of the slide is a dark grey color. It is decorated with a complex network of thin, light red and white lines. These lines form various geometric shapes, including triangles, quadrilaterals, and larger, more irregular polygons. Some lines are solid, while others are dashed or dotted. The overall effect is a modern, technological, and interconnected aesthetic, typical of digital or data-themed presentations.

Identity

The background of the slide is a dark gray field filled with a complex network of thin, light red and white lines. These lines form various geometric shapes, including triangles, quadrilaterals, and larger, more irregular polygons. Some lines are thicker and more prominent, while others are thin and delicate, creating a sense of depth and movement. The overall effect is a modern, abstract, and somewhat chaotic visual texture that contrasts with the clean, bold text of the title.

Insurance

- Using a blockchain to create a single source of truth for transactions between parties has the potential to significantly drive down processing time and costs for insurance companies.

Interest Earning





Iot



Jobs

Lending/Borrowing

The background of the slide features a complex, abstract pattern of thin, intersecting lines in shades of red and white. These lines form various geometric shapes, including triangles, polygons, and star-like patterns, creating a sense of dynamic movement and interconnectedness. The overall color palette is a soft, muted grey, which provides a neutral backdrop for the vibrant geometric elements.

Marketplace

The background of the slide is a dark gray field filled with a complex network of thin, light red and white lines. These lines connect various points, some of which are small dots, creating a web-like or molecular structure. The lines vary in thickness and opacity, with some appearing as solid white and others as translucent red. The overall effect is a sense of dynamic, interconnectedness, typical of a digital or networked environment.



Media





Meme

Metaverse

The background of the slide is a dark grey color. It is decorated with a complex network of thin, glowing lines in red and white. These lines form various geometric shapes, including triangles, quadrilaterals, and larger, more intricate polygons. Some lines are solid, while others appear to be composed of multiple overlapping segments, creating a sense of depth and movement. The overall effect is a futuristic, digital aesthetic that suggests a virtual or networked environment.

Move-to-earn

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Play-to-earn

Oracle

- Real-time data feeds are a big business. Providing data, such as weather and stock prices, places a huge part in our modern world. This opens the door for optimizing this process in a decentralized and more efficient manner. Although it is difficult to create a reward model for the providers of this data as we will come to learn.



Prediction

Real Estate

- The global real estate market accounts for nearly 49% of all global wealth. Needless to say, there is potential for crypto to be utilized within this market. For all intents and purposes, Bitcoin transactions would be ideal for transactions as large as buying a home or land, but there is still room for innovation.
- **Propy NFT-**



Social

Sports

The background of the image is a dark gray surface covered with a complex network of thin, translucent lines. These lines are primarily red and white, creating a web-like pattern of interconnected points and polygons. Some lines are thicker and more prominent, while others are very faint. The overall effect is a dynamic, geometric, and somewhat chaotic visual texture that suggests movement and structure.

Stablecoin

- Algorithmic stablecoins have been in the news a lot over the past year because of the disasters that many have caused. Not to be confused with asset-backed stablecoins, algorithmic stablecoins attempt to peg themselves to a fiat currency through various methods of increasing and decreasing their token supplies to match their prices to \$1 or 1 EURO. Ultimately, our advice is to steer clear of these coins because they are much less stable than asset-backed stablecoins and they could go belly-up from exploits and cause billions of dollars in losses (see Terra LUNA).
- **USTC-**
- **Fei USD-**
- **Frax-**

Storage

- File and data storage is one of the most lucrative businesses of the Information Age (duh). Now imagine that joining the resources of a whole network of computers together to make a colossal data storage network that can be encrypted and secured for the client, while also rewarding the storage provider with tokens based on how much data they can store. Welcome to decentralized data storage. Teaming up with the distributed computing sector, blockchain storage is a relatively easy sector for first-timers who want to get into actually mining crypto. Data storage blockchain networks come in many different flavors of storage; some public, some private, but all have the same concept of rewarding vendors for their raw storage space.
- **Filecoin (IPFS)-**
- **0Chain-**

Transportation

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Travel

Virtual Reality

- The VR world looks very promising for the future of consumer tech. However, most of these devices are clunky, heavy, and hard to control, making it hard to do something like type in a password for a bank account. Crypto can also be used for VR games and chatrooms by paying for NFT collectables that you can show off in the metaverse.

Wrapped Tokens

- Most blockchains are incompatible with each other, meaning you will often have to take the pros with the cons of each chain. However, some companies have launched mirror tokens on different chains in order to get the best of both worlds.
- These projects are used to have cross-chain bridge interactions and they are mostly used to make DEFI trades and to add stability and liquidity for their respective platforms. Most notable wrapped tokens are launched by Wrapped, but there are many other crypto companies that will launch wrapped tokens so that their native tokens can interact with other blockchains.
- **Wrapped Bitcoin-**
- **Wrapped BNB-**
- **renBTC-**

Yield Farming

- Yield farming is one of the more lucrative methods of passive income in the crypto space. The concept is relatively simple, you provide liquidity (coins for transactions and lending) to a CeFi or DeFi platform, and then you are rewarded proportionally for the amount of liquidity you provided.