# Engine:

# Bridging the Gap Between Crypto and Conventional Gaming

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# Abstract

The blockchain provides several opportunities for growth and expansion, especially in the gaming industry. The biggest problem that most developers find themselves facing is the inability to complete transactions across platforms.

Blockchain bridges make it possible for developers and others who are using the blockchain to accommodate transactions across networks easily. Blockchain bridges provide the best of both platforms – allowing for unique opportunities to become available.

The gaming industry is well-positioned, with companies like Engine who offer bridging services and also accommodate the growing minds of the developers. Engine plans to act as an incubator for new and upcoming developers, especially the Indie game network.

# Introduction

The blockchain is an enigma that has captivated developers for decades now. Its birth, however, is accredited to the elusive and mysterious Bitcoin developer, Satoshi Nakamoto. It was Nakamoto's Bitcoin whitepaper that laid the foundation for [blockchain](#) – eluding that blockchain began with the Bitcoin network. After going through many different phases, blockchain is now capable of housing more than just cryptocurrency transactions.

With technology advancing and capabilities expanding constantly, the blockchain is also becoming adaptable and more diverse. Take Ethereum's founders into consideration. They determined assets and trust agreements would benefit from blockchain management; these are called smart contracts. Smart contracts are self-managing digital contracts that are stored on a blockchain. In order for the contract to execute, something has to happen, called a triggering event.

Think of a triggering event as something that initiates the domino stacks falling or sends the marble through the maze. Let's say that there is a life insurance policy on the blockchain. This smart contract will initiate at the death of the policyholder. Once the death is verified (often much more quickly than the insurance company would execute it), the beneficiaries begin receiving what was allotted to them within the policy.

Smart contracts aren't the only new technology that is popping up in the realm of blockchain. Even gaming is finding a home on the digitalized planet. It is safe to say that the blockchain is no longer just a platform for sending and receiving digital money. The platform is much more in-depth, and as a Digital Ledger Technology (DLT), there are irrefutable properties present, making the blockchain even more appealing for transactions.

## What is Blockchain?

The blockchain is a shared digital ledger that is immutable and facilitates the process of recording transactions and tracking assets. It is important to note that assets are both tangible and non-tangible items. Anything of value can be tracked and traded on a blockchain network – reducing risk and cutting the costs involved with each transaction.

## Importance of Blockchain

Information is extremely valuable, especially when you own or operate a business. The faster you get the information and the more accurate the information is, the more likely you will benefit from a transaction. Blockchain is a great platform for delivering information because it is immediate, provides transparency, and is stored on an immutable ledger that can only be accessed by the appropriate network members.

## Key Blockchain Elements to Consider

There are three primary elements to consider when utilizing the blockchain. These elements include:

- Distributed Ledger Technology
  - Every network participant has access to the ledger and the immutable transaction record. Transactions are only recorded once, eliminating duplication.
- Immutable Records
  - Immutable records cannot be changed by any participant on the network once it has been recorded in the shared ledger. If an error is made to the original record, an additional transaction must be done to reverse the error. Both transactions are visible on the ledger.
- Smart Contracts
  - In an effort to expedite transactions, a set of rules (smart contracts) are implemented, stored on the blockchain, and autonomously executed if triggered.

# THE FUNDAMENTALS OF BLOCKCHAIN

When it comes to blockchain, there are some properties of Distributed Ledger Technology (DLT) that are important if you want to understand its adaptabilty
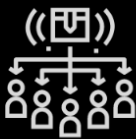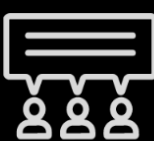
## PROGRAMMABLE

## SECURE

## DISTRIBUTED

## IMMUTABLE

## ANONYMOUS

## UNANIMOUS

## TIME-STAMPED

## How Blockchain Works

Although it may sound complicated, the blockchain process is relatively simple. The process begins with each transaction being recorded at a block of data. Each of these transactions has the availability to show the movement of an asset. Data blocks can record pertinent information like who, what, when, where, how much, condition, etc.

The created blocks, once full, are linked to the box previous and the box that will begin collecting data next. This process helps to ensure that the data is recorded accurately and that all the information within is held securely. The data cannot be altered once captured on the blockchain.
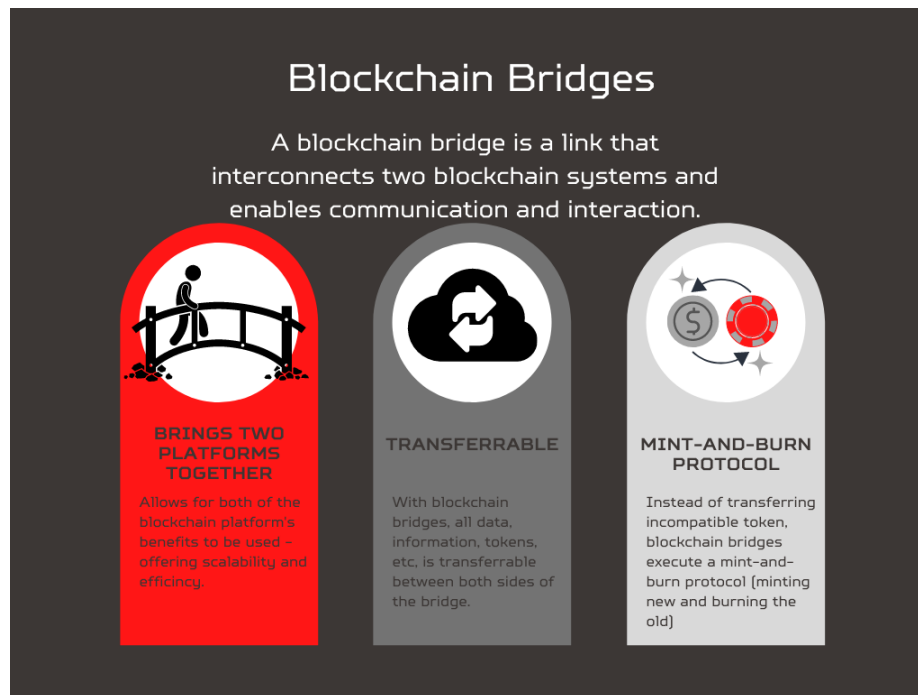
## Blockchain Compatibility

It is simple to look at the blockchain and see how each block is linked to the previous, and so on. There is a problem that exists within the blockchain infrastructure, though. How do you link data and blocks if there are two different sources – one blockchain compatible and the other not compatible?  It was soon apparent that the problem doesn't just have to revolve around blockchain compatible and non-blockchain compatible data. Two blockchains may not be compatible with each other, requiring technological geniuses to go back to their drawing boards and find a solution.

Even as the blockchain evolves, it becomes a requirement for developers to make it possible for interactions with the relevant blockchain to be facilitated. In the world where gaming and blockchain meet, a new player has entered the field – creating the bridge between the two ecosystems.

## Blockchain Bridges

To respond and resolve the issues of non-interoperability, Blockchain bridges were built. These bridges help to accomplish and diminish the gap from one blockchain to another, including those that are not on a blockchain platform, to begin with.

## Blockchain Bridges

A blockchain bridge is a link that interconnects two blockchain systems and enables communication and interaction.

**BRINGS TWO PLATFORMS TOGETHER**

Allows for both of the blockchain platform's benefits to be used – offering scalability and efficincy.

**TRANSFERRABLE**

With blockchain bridges, all data, information, tokens, etc, is transferrable between both sides of the bridge.

**MINT-AND-BURN PROTOCOL**

Instead of transferring incompatible token, blockchain bridges execute a mint-and-burn protocol (minting new and burning the old)

# Engine ($ENGN): More Than a Blockchain Bridge

Engine is an experimental development platform, which incorporates adaptive gaming mechanics into blockchain platforms. Currently hosted on Ethereum, Engine uses a revolutionary protocol that allows the developers of games to incorporate outputs from non-blockchain protocols to blockchain compatible data.

As a type of enhanced blockchain bridge, Engine makes it possible for these same developers to incorporate features into their games like Play to Earn and Player vs. Player wagering-style competitions into existing games and their extended gaming universe. There is so much more that Engine has to offer the blockchain and gaming universe – acting as a bridge across the two ecosystems. Crypto and gaming enthusiasts win, thanks to the merging of multiple sectors.

What if the games of the past, present, and future all allowed for the ability to incorporate NFTs into assets, reward you with prizes, and more?

Another essential part of Engine is the role of incubator for new and upcoming developers – helping them to develop and publish games. A significant hope of Engine revolves around bringing Indie games to the mainstream, creating a revenue stream, and a path that leads to discovering talented developers.

About $ENGN

Here are the current stats on $ENGN:

| Liquidity Locked: | 89.008% |
|---|---|
| Circulating Supply: | 1,000,000,000,000 ENGN |
| Maximum Supply: | 1,000,000,000,000 ENGN |
| Tokenomics: | 10% Development and Marketing Tax |
| Gas Price: | 0.000000155497699708 Ether |
| Housed Blockchain: | Ethereum |
| Ether Price: | $4,289.75 |

Engine is primarily located in Australia under ENGN Games PTY LTD. The company also has a registered Australian Entity (ABN 97655506040).

Market Outlook on Blockchain Games

There is a lot of buzzing around the concept of blockchain gaming. In fact, the concept is expected to bring a market cap of $300 billion by 2025. It is crypto technology that is bringing more developers and investors onboard, especially the ability to incorporate features into the games they are offering. The Play to Earn concept is one of the more higher-paying sectors within the genre.

Blockchain also provides the additional opportunities of using non-fungible tokens (NFTs) to represent characters, accessories, and more. The entire concept is a metaverse of gaming – which is being facilitated on the blockchain.

$ENGN Timeline

Conclusion

The popularity in gaming and the popularity in blockchain make these two a match made in heaven. Blockchain bridges like Engine help to eliminate some of the setbacks that are faced due to the incompatibility of blockchain platforms and even provide additional research for up-and-coming developers, which is why Play to Earn and other types of transactions are popular.

It is with the planned growth of the Engine and blockchain relationship that more games will utilize the technology. It is the hope that with the onboarding of games and developers, more will follow suit, with opportunities for games of the past, present, and future to join blockchain and the exponential amount of revenue potential.