

blockchain is an application-level technology, where all the functions take place in the OSI Layer 7. This is quite different from how other networking technologies work, for example, the TCP/IP functions occur in the 3rd and 4th Layers, while the WiFi and Ethernet functions occur in the 1st and 2nd layers, and so on and so forth.

Now, this does not mean that one networking technology is superior to the other or vice versa. All it implies is that the blockchain technology is a relatively new and unexplored technology that follows the general norm of layer segregation as sincerely as possible.

## **What is this paper all about?**

This paper delves deep into two distinct topics: Eleutheros and GP. While both are connected to the blockchain technology, they are quite different from one another.

Eleutheros is a networking protocol that is an absolute derivative of the Bitcoin Protocol. In other words, it is a general-purpose Trustless Blockchain Protocol that may be used by anyone to do deploy, operate, or use any number of fully independent P2P blockchain networks.

Therefore, it would not be wrong to call Eleutheros a more generalized successor of the Bitcoin protocol that does not define any application. This enables the creation of many different P2P blockchain networks, each fully independent and capable of supporting any particular application.

This is made possible through the following 3 aspects of the Bitcoin protocol:

- The excellent layer isolation mechanism
- Unstructured P2P networking, and
- Trustless proof-of-work operations

Also, other core aspects are retained along with much of the existing codebase.

The GP is the optional Governance Protocol, which although inspired by the Bitcoin protocol and BIP proposals<sup>1</sup>, is an entirely new protocol. Also, it is entirely optional and may or may not be used by any Eleutheros network. The need for such a governance protocol is essential because the blockchain needs to be governed by a certain set of pre-defined rules. For instance, the Bitcoin protocol clearly describes a governance principle

---

<sup>1</sup> <https://bitcoinmagazine.com/what-is-bitcoin/what-is-a-bitcoin-improvement-proposal-bip>