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Aristotle time and space

Aristotle is considered the father of Western philosophy and was born in 384 BC in Stagira, a small town in northern Greece on the peninsula of the beetle. Little is known about his life, but his mother, Phaestis, had two other children, Sister Arimneste and brother Arimnestus, with his father, Nicomachus, a court doctor to Amyntas III, King of Macedonia. Proxenus of Atarneus, his sister's husband, was orphaned as a boy and became his guardian. Aristotle was educated for a couple of years until he was sent to the Academy at seventeen where Plato was his teacher. For the next 20 years, Aristotle and Plato were close friends until Plato's death, but had a philosophical disagreement that would prevent Aristotle from being offered the academy's directorship after the death of his mentor. Their disagreement had to do with Plato's belief that reasoning and thought were enough to prove a concept, while Aristotle had more empirical beliefs that relied on experience and observation with the senses. ZU_09/Getty Images Hermias had studied under Plato at the academy, and that's where he met Aristotle. As King of Atarneus, he extended an invitation to Aristotle, who traveled to the Assos region under the king's protection. Once there, he met and married Pythias, a biologist, embryologist and Hermia's niece. Together they had a daughter, who came to be called Pythias the Younger. Hermias was loyal to Philip II of Macedon and had revolted against Persian rule. History says that in attempting to negotiate an alliance with Persia, pythias were captured and executed in 341 f.B. According to historians, Aristotle's Ode to Virtue was dedicated to her. Lorado / Getty Images During Aristotle's return to Macedonia in 338 bc, he became the official supervisor of King Philip II's 13-year-old son Alexander III, who would become Alexander the Great. This lasted about two years, and in 335 f.B. Aristotle returned to Athens after Alexander had conquered the city. With Alexander's permission, he founded his own philosophical school, the Lyceum, which is in a former wrestling school. While there were private students, he opened up the school to the public for free. Aristotle's students were known as Peripatetics, because he had a habit of walking around the grove while lecturing. The students' written arguments were collected by the school to create one of the first major libraries in history. Nastasic/Getty Images Aristotle spent most of his life teaching and lecturing and eventually began a romance with Herpyllis, a woman also from Stagira, who was said to be a slave. With her he had more children, including a son, Nicomachus, named after his father. During this time Alexander the Great became more power hungry and Aristotle's nephew and historian of Alexander, Callisthenes, was falsely executed. In 323 bc, Alexander died, and the Promakedonian government was overthrown. charged with rudeness, which was a crime, and escaped the charges. He remained in exile on the island of Euboea until his death in 322 BC. His will was preserved, and in it he confessed to his family and his slaves. ZU_09/Getty Images Because he was persona non grata, Aristotle's work was hidden after his death by his protégé and successor, Theophrastus. After Theophrastus' death, Aristotle's work was not seen again until the first century f.Kr. In the thirteenth century, theologian Thomas Aquinas merged Aristotelian and Christian thoughts to form the foundation of medieval Catholic philosophy. bogdb/Getty Images Aristotle was said to have written over 200 theses, but only about 31 survived. They were edited by Andronicus in Rome when they were rediscovered in the first century. Nevertheless, the logic that underlies his work is sound and they are still very influential. His works are divided into four categories: organon, theoretical, practical, and rhetoric/poetics. Organon describes logic used in philosophical or scientific understanding. Theoretical works are theses on animals, metaphysics, cosmology, and physics. The practical is about familial, social and individual excellence and rhetoric/poetic defines how language can move and inspire. thelefty/Getty Images Aristotle categorized sciences into productive, practical and theoretical. Productive sciences include technology and architecture as well as strategy and rhetoric for victory in court and on the battlefield. Ethics and politics, which govern behavior, are known as practical sciences, and theoretical sciences, such as theology, physics and mathematics, have no practical goals, but

information is sought for its own sake. aluxum / Getty Images Aristotle insisted that animals were classified by genus and species and in his dissertations, over 500 of them were organized in detail. Research suggests that Alexander would send copies back to Aristotle when he went on raids. Interestingly, his detailed notes on some of the animal's features could only be confirmed by the invention of the microscope more than 1,800 years later. Andrii-Oliinyk/Getty Images Chaos Theory is a mathematical branch that says that in systems that seem random, there is an underlying pattern. This is a working theory when it comes to topics such as weather and climate. Aristotle observed that a slight deviation from the truth is significantly multiplied further down the line. Scientists have speculated that this may have been a first glance of the butterfly effect. Floriana/Getty Images Along with Alexander the Great, Aristotle had another remarkable student. Cassander was king of Macedonia 305 f.Kr. to 297 f.Kr. He a contemporary of Alexander the Great and studied with him at the Lyceum. When Alexander died, he was succeeded by his son, Alexander IV. However, Cassander ascended to the Macedonian throne married Philip II's daughter, Thessalonica, and then murdered Alexander IV. wrangel/Getty Images Study DAC/DAO and Collaboration GovernanceIn my last article, I talked about why the new DAC style organization should be the study focus for Token Economics. As a new paradigm, we have also noticed that many people have discussed what DAO/DAC is. You know, just as people could incorporate a limited liability company in just a few days, there should be a manual to guide how to establish a DAC so that people who have interest could follow the process, design the mechanism, and do it done. So, today we will present a minimum viable model for building a DAC, which is a combination of Token Finance, DAC Smart Contracts, DevOps, Microservices, and Governance Protocol. Some contexts we should know in advance.1. DAC will be the primary value-adding entity in the Value Internet era, all of which serve to achieve a clear business goal. 2. The competitive cooperation between interdisciplinary stakeholders in each DAC and among different DAC is the course on how value will be created.3. Although DAC is also a business organization, and I mentioned forming a DAC, dac is not formed. DAC is an organic organisation that will grow and develop in the development of value creation (stakeholders work together to reach consensus).4. DAC is also a kind of Smart Organization, which means that all business activities in DACs are programmable. DAC digests value(input) and produces a new value(output), so the input and output value needs to be digitized and tokenized.5. Then we need to redefine the scope of Value because, in the traditional business model, all financial resources, no matter how many different dimensions they have, will be reduced only to one dimension, which is evaluated by Money. Also in DAC, all the different aspects of value can be recognized and represented (thanks to Blockchain and Cryptoeconomics). Generally speaking, we can define a model that contains a simplified two dimensions of value. X Token (XT): the mapping of the value in the real world, which can be divided into three categories: Digital currency: value representation in the payment scenario, i.e., DC/EP, Libra, etc. Digital Asset: the value representation of tokenized assets, i.e. Big Data, Real Estate, etc. Digital Commodity: the value representation of tokenized commodities or its derivatives, i.e., coupons to pick up, order deposits, etc. Utility Token (UT): generated by the algorithm, which is the representation of values created in the cyber world. It represents the benefits of DAC community members as consideration for work, time, or other resources community members have contributed during the creation of value. It also represents privileges for UT holding Community members to exercise in Community operations, governance (e.g. voting power), which offers priority for service or products, and the use of data assets. Generating UT is dependent on the production, exchange, and trading process of XT, but UT is not directly related to the assets of the real world, it is an added value. For example, a community member will receive a different amount of UT if he is in under value-adding scenarios: Examples of UT smoothing in different scenarios6. All these tokens (XT and UT) will be evaluated and priced by the decentralised market, and the value of UT is limited by xt's value to ensure the credibility of UT.7. In order to regulate the relationship between different stakeholders in the collaboration, a new governance model will be introduced to the model (I will include more information in the next article). 8. We will introduce various Microservice tools in the process to make value-adding activities programmable. A Microservice [1] architectural style is an approach to developing a single application as a suite of small services, each running in its own process and communicating with lightweight mechanisms, often an HTTP resource API. These services are built around business functions and can be distributed independently of fully automated deployment machines. There is a minimum of centralized management of these services, which can be written in different programming languages and use different data storage techniques. So, value creation activities in the real world would be defined as different microservices, and execution results will be stored as Data Assets, which are recognizable, auditable and recanable. During the collaboration, community members will use a series of microservice tools to record and store the values they have created, such as the tools that are open to data, data management, data storage, collaboration software, wallet, real data connection, etc.9. The traditional Smart Contract is just an empty template, which offers flexibility but also is very difficult to use, just as Conner Brown said. So we upgrade the traditional Smart Contract to the new DAC Smart Contract via introducing DevOps[3] methodology, which includes seven factors:Context: Describe the time and space limits of DAC; Boundaries: When and how the boundaries of the previously defined Context could be brokenGoals: Mission statement regarding the detailed problems that dac aims to solve, and can be broken down into small goals at different stages; Measurable effects: Conditional statements of the observable implementation results that meet the targets;Input: Values fed into the DAC, including XT and UT; Activities: Detailed implementation process, including production, exchange, Trading the values, performed by different Microservices;Output: The output value of these activities, which serves as the value input for the next step. Triangle Logic ModelWith all context given, the overall logic of growing a DAC is illustrated as a triangle model, where time and space will be connected by the upgraded Smart Contract to trigger the development of the DAC. A new paradigm for forming DACSo, what does Time and Space stand for? In the case of Time, it means the values of the real world and the cyber world, will be governed by the traditional law and governance methods (Audit, Compliance, Tax, etc.), registered on the chain, and represented by XT and UT separately. In this mechanism, Time[4] is seen as an indelible coordinate, and the apparent passage of time arises as a result of correlations between subsystems in a global state, while these tokens with the blockchain's global consensus mechanism are unique in the sequence of the time chain and cannot be manipulated. In the case of Space, it means the business of DAC, which is observable, auditable, and can be processed through various microservices. The Smart Contract is used to connect the time and space to complete the business in DAC, but this is not a one-way process for assigning tasks and execution tasks, it is a DevOps process for continuous integration, delivery and improvement. DAC Smart Contract TemplateIt is a complicated procedure to accomplish the business goals of a DAC, and each step (containing one or more microservices) in the process can be administered by DAC Smart Contract, with clear goals and observable, measurable results, and production will be input for the next step, so all business activities are connected, and that's how a DAC can initiate. In value-creating activities, community members implement different tasks by contributing time and resources. As a result, they will get UT as an incentive, and the more they help, the more UT they can get. UT holders will have the right to engage in DAC operation, governance, and use of Community data assets. This is a virtuous circle, which will encourage people to join society, to reach consensus, and to contribute. That's how a DAC can grow its consensus community. With the contribution and feedback of the participating community members, the complex process will be malled and marked as data assets for all members to reference, to optimize, which will significantly facilitate communication and collaboration between community members, and that's how a DAC can be developed and developed. Token Economic Model of DACUT is generated during the process of microservices dealing with XT, so the relationship between XT and UT is not independent but linked. Whether a symbolic economic model is well founded for a depends on the interaction design between XT and UT. DAC Token Economic ModelFirst, UT can facilitate value creation for XT. With the presence of UT, the contribution of Community members will no longer be measured randomly, and holding different amounts out will have different kinds of rights to exercise over XT, such as the priority in trading and picking up the products represented by XT, discount on transaction fees, etc. So, UT will encourage community members to participate in the value production process of XT. Secondly, the holding and trading of UT on the market will affect the pricing of XT, which means that UT will act as a price evaluator for XT under certain circumstances. If the longer the time, the more in quantity that a community member holds UT, the more discounts he can get for buying XT, then if he would like to retain UT will be an index for assessing demand for XT, just like the interaction between the spot market and the futures market in the traditional financing. If a large number of community members would like to hold out, reflecting on the market, the price of UT is getting higher, and it also shows that the demands on XT are also very high, then the price of XT will increase as well. When people find it profitable to keep UT and XT, more and more people will join the community and participate in value-adding activities, and that's the virtuous circle. So, important takeaways, to grow a DAC from scratch, you need to define goals and measurable results for DAC, and what XT and UT are within your DAC, what kind of business can be categorized as Microservices, what kind of process you will follow in the performance of XT, and then compose those contexts in DAC smart contracts. Of course, you should also design the token economic model to regulate the relationship between XT and UT. As Mandalorian said, this is the way. In the next article, I will give more details about the governance protocol, and also present two use cases. Please stay tuned! References:[1] [2] Conner_/bitcoin-the-blockchain-for-truly-smart-contracts-f7100b73da01[3] [4] Contributions by Kevin Liu from Metis Lab)Join Hacker Noon Create free account to unlock your personalized reading experience. Experience.

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