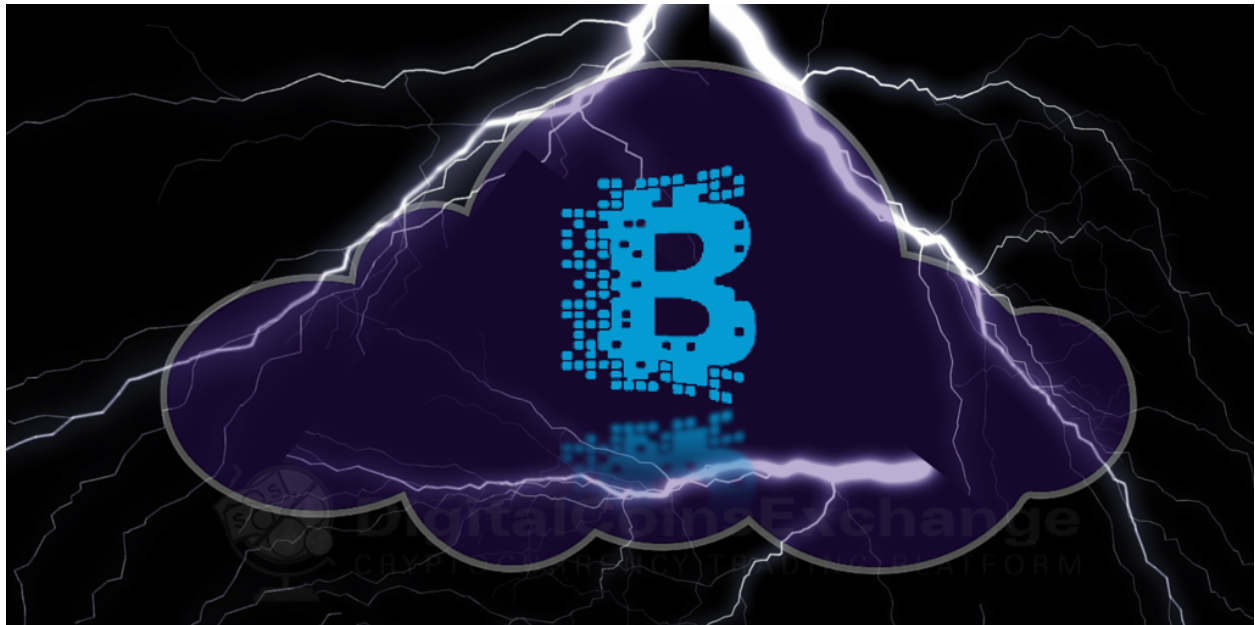


As we already know, IBM has been working with Ethereum and Telehash to provide Blockchain as a service for quite some time now. It is working on a project called, ADEPT i.e. Autonomous Decentralized Peer-to-Peer Telemetry in collaboration with Samsung. We've written more about this project in our earlier blog post titled, "[Latest Projects of Ethereum Blockchain](#)."



There have been numerous speculations about the next big step of IBM but no official confirmation. And finally the suspense comes to an end. IBM recently announced a new framework for operating blockchain networks and a blockchain architecture based on cloud. For all one knows, IBM is going to launch many new initiatives to meet the security requirements of all its clients. Nevertheless, the latest point of action is *integration of cloud services* with the Federal Information Processing Standards (FIPS) and Evaluation Assurance Level (EAL) to make the blockchain technology viable for government, healthcare and financial services.

Brief Intro To FIPS

The Federal Information Processing Standards, also known as FIPS (140-2) are computer security standards and guidelines issued by US federal government to appoint cryptographic modules. To make it more simple, the FIPS defines security levels but it doesn't specify the level of security required by a particular application. IBM supports the FIPS approved operations of cryptography through its Java APIs.

The IBM server runs in a different application server which can be configured to foster the use of cryptographic modules validated by FIPS for inbound and outbound SSL connections.

IBM Cloud Services



IBM's cloud platform is specially built to scale thousands of users operating on certified softwares with analytic support. Alas, the current cloud database of IBM is pretty vulnerable and has been through quite a few security breaches and hacking attempts over the past few years. But the new cloud framework is expected to be more immune to the hackers and other potential threats.

IBM is offering an array of new cloud services to help its business clients hosting safe, secure and tamper-proof networks. It also offers a tamper-proof storage of crypto keys and new services that enable blockchain peers to run in a well protected and highly secure environment.

IBM's Blockchain Research Labs

IBM has also proclaimed that it will be opening several new research labs in New York, London, Tokyo and Singapore shortly. These research labs will be called IBM Garages. The main objective of opening these garages or blockchain research labs is to help the clients to develop their own blockchain networks.