Communiqués de presse

IBM lance ses premiers services Blockchain hautement sécurisés pour les services financiers, le secteur public et la santé dans le Cloud IBM

Les développeurs peuvent exécuter la Blockchain IBM en utilisant les containers Docker

Paris - 29 avr. 2016: Dans la mesure où la Blockchain est une technologie émergente, jusqu'à présent, les conditions requises pour faire fonctionner les réseaux de la Blockchain de façon sécurisée dans le cloud n'étaient pas claires. Pour aider à accélérer l'adoption de la Blockchain par les entreprises, IBM a annoncé aujourd'hui un nouveau framework pour exploiter les réseaux Blockchain en toute sécurité ainsi que de nouveaux services sur le Cloud d'IBM qui sont conçus pour répondre aux exigences réglementaires et de sécurité existantes.

Les réseaux Blockchain sont construits sur la notion de contrôle décentralisé, mais certains environnements cloud laissent des portes ouvertes à des vulnérabilités permettant la falsification et l'accès non autorisé. En travaillant avec des équipes d'experts en sécurité, des cryptographes, des experts en hardware ou encore des chercheurs, IBM a créé de nouveaux services cloud essentiels pour bénéficier de réseaux Blockchain inviolables et de confiance.

"Nos clients nous disent que l'un des freins à l'adoption de la Blockchain est la préoccupation concernant la sécurité.", **a déclaré Jerry Cuomo, Vice-Président Blockchain chez IBM.** *"Bien qu'il y ait un sentiment d'urgence de la part des entreprises pour être pionnières dans le domaine de la Blockchain, la plupart d'entre elles ont besoin d'aide pour définir l'environnement de cloud idéal qui permet aux réseaux Blockchain de fonctionner en toute sécurité dans le cloud."*

Définir un framework de sécurité pour la Blockchain dans le Cloud

Conçu pour aider les entreprises à bénéficier rapidement de réseaux sécurisés, inviolables, et pouvant accueillir des milliers d'utilisateurs, le cloud d'IBM permettra aux réseaux Blockchain de production d'être déployés en quelques minutes, et de faire tourner des images Docker signées, certifiées et testées, accompagnées de tableaux de bord, d'analytique et de services de support.

La blockchain d'IBM pour le projet Hyperledger est maintenant disponible sur DockerHub .

Pour les entreprises qui ont besoin de la flexibilité nécessaire pour faire fonctionner la Blockchain sur différents

supports et serveurs cloud, une distribution signée et certifiée du code IBM pour le projet Hyperledger est désormais disponible sur Docker Hub. Des mises à jour régulières apporteront de nouvelles fonctionnalités incluant des tableaux de bord, de l'analytique, un support Chat et des services réseaux exclusifs.

Le service Blockchain d'IBM pour Bluemix fournit aux développeurs une nouvelle flexibilité

Pour les développeurs qui souhaitent un environnement Blockchain fonctionnant quasiment instantanément pour commencer à créer des applications, la version Beta du service Blockchain IBM sur Bluemix fournit un accès à la toute dernière version du code Linux Hyperledger, mise à jour au fur et à mesure que le code évolue. Que ce soit sur DockerHub ou le Cloud IBM, la Blockchain IBM supporte de nombreuses industries ainsi que des cas d'usage variés.

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IBM Launches First Highly Secure Blockchain Services

for Financial Services, Government and Healthcare on IBM Cloud

BNY Mellon leads in piloting IBM Garage services

Empowers developers to run IBM Blockchain using Docker containers

ARMONK, N.Y. - 29 Apr 2016: Since blockchain is an emerging technology, until now there has been little clarity on the requirements to securely operate blockchain networks in the cloud. To help speed the adoption of blockchain for business, IBM today announced a new framework for securely operating blockchain networks, as well as new services on the IBM Cloud that are designed to meet existing regulatory and security requirements.

Blockchain networks are built on the notion of decentralized control, but some cloud environments leave back doors open to vulnerabilities that allow tampering and unauthorized access. Working with teams of security experts, cryptographers, hardware experts and researchers, IBM has created essential new cloud services for tamper-resistant, trusted blockchain networks.

"*Clients tell us that one of the inhibitors of the adoption of blockchain is the concern about security,*" **said Jerry Cuomo, vice president, Blockchain, IBM**. "*While there is a sense of urgency to pioneer blockchain for business, most organizations need help to define the ideal cloud environment that enables blockchain networks to run securely in the cloud.*"

After working with hundreds of clients, startups and developers building blockchain applications, IBM is addressing their security needs in several ways, including cloud services with the highest Federal Information Processing Standards (FIPS 140-2) and Evaluation Assurance Levels (EAL) in the industry to support the use of blockchain in government, financial services and healthcare. The company is also making it easier to use IBM's code based on the Linux Foundation Hyperledger Project in any environment, and offering services on Bluemix, IBM's cloud platform, to help developers quickly build applications.

With the opening of the IBM Garage this month in New York City, IBM is also working with clients such as BNY Mellon to accelerate the design and development of a unique application for securities lending, using a blockchain network to trade and transfer assets. "*At BNY Mellon, we are actively exploring blockchain's potential to better serve our clients and our company,*" **said Suresh Kumar, CIO, BNY Mellon**. "*With this new initiative, IBM is providing an environment that will allow companies like us to collaborate more easily and more securely and in a more standardized way, which is critical to advancing meaningful use cases for blockchain.*"

These new cloud services have been optimized for cloud-based blockchain networks by providing an auditable operating environment with comprehensive log data that supports forensics and compliance. Tamper-resistant storage of crypto keys and complete protection around the cryptographic module detects and responds to unauthorized attempts at physical access. Additionally, the IBM Cloud services enable blockchain peers to run in protected environments to prevent leaks through shared memory or hardware.

"*Blockchain is a highly innovative and promising technology. However there are a lot of issues to be solved for enterprise systems,*" **said Eiji Ueki, director and executive vice president, NTT DATA**.

"*IBM's new blockchain cloud service is directly trying to address those issues. We believe this will help accelerate the maturation of blockchain technology.*"

IBM's Blockchain for Hyperledger Now Available on DockerHub

For organizations that need the flexibility to run blockchain on different cloud servers or devices, a signed, certified distribution of IBM's code submission to the Hyperledger project is now available on Docker Hub. Ongoing updates will provide new features including dashboards, analytics, chat support and exclusive network services.

IBM Blockchain for Bluemix Provides Developers New Flexibility

For application developers who want to get a blockchain environment running almost instantly and start building applications, the beta release of IBM Blockchain on Bluemix provides access to the very latest Linux Hyperledger code, updated as the code continues to emerge. Whether on Docker Hub or IBM Cloud, IBM Blockchain supports multiple industries and diverse use cases.

"*Bluemix Services make it easy for Factom developers to work with IBM Blockchain code*," **said Paul Snow, Chief Architect of Factom**. "*IBM is the single largest contributor to open source technology and the Internet would not be what it is today without their contributions. Exploring blockchain technology with IBM is exciting and our approaches are complementary. We are thrilled to see how they will help grow the industry.*"

Join IBM during the Consensus Building Blocks Hackathon 2016, where developers will be challenged to use IBM's blockchain service on Bluemix to rapidly build innovative applications incorporating services such as IBM Watson, IBM Internet of Things, The Weather Channel Data and others. Voting, risk management, finance, healthcare, insurance, supply chains and IoT are some of the systems that are poised for dramatic change using blockchain networks.

Pour plus d'information : www.ibm.com/blockchain
