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Made in IBM Labs : Aider les clients à migrer leurs données du cloud de manière sûre et fiable

Les clients peuvent désormais migrer leurs données entre différents clouds et ainsi ne plus être dépendants d'un fournisseur

Paris, France - 09 déc. 2013: Les chercheurs d'IBM ont développé un nouveau logiciel de stockage cloud qui offre aux clients une interface simple pour migrer leurs données entre différents clouds en toute sécurité et confidentialité.

YouTube: <http://www.youtube.com/watch?v=FM7eaxg6WuQ>

Flickr Photos: <http://flic.kr/s/aHsjLTHv3H>

Aujourd'hui, les clients de tous les secteurs, y compris les banques, les détaillants et le gouvernement, adoptent le cloud computing pour stimuler l'innovation et la croissance, mais les préoccupations sous-jacentes concernant la sécurité, la fiabilité et la dépendance vis-à-vis d'un fournisseur ont empêché l'adoption massive du cloud.

Avec ce nouveau logiciel, IBM apporte une réponse à ces problématiques permettant ainsi de favoriser l'adoption du cloud par les entreprises.

Made in IBM Labs: Helping Clients Securely and Reliably Migrate Cloud Data

Cloud migration software invention eliminates vendor lock-in

Armonk, N.Y. - 6 Dec 2013: IBM (NYSE: [IBM](#)) inventors have developed new cloud storage software that provides a [simple interface](#) for clients to securely migrate data across multiple clouds, while keeping it confidential and secure.

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Flickr Photos: <http://flic.kr/s/aHsjLTHv3H>

Today, clients across all industries, including banks, retailers and government, are embracing cloud computing to drive business innovation and growth, but underlying concerns about security, reliability and vendor lock-in have inhibited widespread cloud adoption.

IBM's patent-pending invention overcomes concerns about data resiliency, security and service continuity via an innovative technique called "InterCloud," which seamlessly stores and moves data across multiple clouds. The InterCloud method employs a "cloud-of-clouds" approach that invokes the resilience of separate clouds to offer stronger protection against service outages and data loss than any single cloud can deliver.

"Our cloud-of-clouds invention can help clients avoid service outages and security incidents that impact the reliability and security of individual clouds," said IBM Fellow [Evangelos Eleftheriou](#). "We are adding multiple levels of redundancy and reliability by making cloud migration and backup easier and faster than is currently possible."

Enabling the cloud-of-clouds

IBM scientists have developed a [software toolkit](#) called InterCloud Storage (ICStore), which enables storage systems to access and use third-party private and/or public clouds for data migration, backup or file sharing.

The ICStore interface uses a technique called "object storage" that permits clients to drag and drop files to be backed up or shared on the cloud(s) of their choice — independent of the vendor. ICStore explicitly addresses space efficiency, data synchronization, and metadata coordination when storing data redundantly on object storage. Once a cloud fails, the back-up cloud immediately responds and ensures data availability — transparently to the user. No synchronization or communication among cloud clients is needed due to the innovative approach that adds redundancy and tolerates failures.

ICStore's default storage provider is Softlayer, an IBM company. Uniquely, if clients reach the limit in their cloud storage capacity, for example due to contractual limitations, ICStore offers an easy migration path from remote public-cloud to on-premise private-cloud.

ICStore exploits innovative patent-pending algorithms developed by IBM scientists, which were published in ["Robust data sharing with key-value stores"](#) at the IEEE/IFIP International Conference on Dependable Systems and Networks (DSN).

ICStore was demonstrated in June at the IBM Edge 2013 conference in Las Vegas in conjunction with the IBM Storwize platform and is available for early trial testing.

IBM Cloud Computing

IBM is the global leader in cloud with an unmatched portfolio of open cloud solutions that help clients build, rent or tap into cloud capabilities. No other company has the ability to bring together unique industry knowledge and unmatched cloud capabilities, that have already helped more than 20,000 clients around the world. Today, IBM has more than 100 cloud SaaS solutions, 37,000 experts with deep industry knowledge helping clients

transform and a network of more than 25 global cloud delivery centers. Since 2007, IBM has invested more than \$6 billion in acquisitions to accelerate its cloud initiatives.

Most recently IBM acquired SoftLayer with more than 21,000 clients in 140 countries to further build out its IaaS portfolio with an easy and secure on ramp to cloud integrating IBM SmartCloud. For more information about cloud offerings from IBM, visit <http://www.ibm.com/smartcloud>.

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