

IBM et Cisco associent la puissance de Watson IoT à l'Analytique

Bell Canada va fournir des solutions d'analyse de données intelligentes à travers le pays sur le réseau LTE, le plus grand et le plus rapide au Canada La combinaison de ces solutions repousse de nouvelles limites technologiques pour le Port de Carthagène et SilverHook Powerboats

Paris - 03 juin 2016: IBM (NYSE: [IBM](#)) a annoncé aujourd'hui une collaboration mondiale avec Cisco visant à tirer profit de manière instantanée de l'Internet des Objets (IoT) et ce, en marge du réseau. Désormais, les entreprises et les organisations situées dans des zones éloignées et autonomes seront en mesure d'exploiter la puissance de Watson IoT et les technologies analytiques d'IBM combinées aux capacités d'analyse de pointe de Cisco pour mieux comprendre les données critiques à la périphérie du réseau et agir en conséquence.

A ce jour, des milliards de dispositifs interconnectés et des capteurs recueillent de grandes quantités de données en temps réel sur notre environnement. Ces dernières années, le Cloud a offert aux entreprises un puissant moyen de stocker ces données et de les transformer en informations précieuses. Cependant, pour les entreprises ne bénéficiant pas d'un accès facile à la connectivité à large bande passante, ces capacités sont parfois hors de portée ou prennent trop de temps. Pour résoudre le problème, IBM et Cisco ont uni leurs forces pour offrir une nouvelle façon d'accéder rapidement à la collecte de données. La nouvelle approche est conçue pour cibler les entreprises opérant en marge des réseaux informatiques telles que les plates-formes pétrolières, les usines, les compagnies maritimes et les mines, où le temps est précieux, mais la bande passante fait souvent défaut.

Bell Canada

Cisco et IBM travaillent avec Bell Canada, la plus grande entreprise de communications au Canada, pour utiliser l'Internet des Objets d'IBM et de Cisco sur le réseau 4G LTE le plus grand et le plus rapide au Canada. La couverture du réseau de Bell et la vitesse du réseau LTE permettront aux clients de collecter des données en temps réel.

*« Cette puissante technologie de l'Internet des Objets de Cisco et IBM, combinée avec le leader mondial de la technologie de réseau Bell, permet aux clients de tirer parti en temps réel d'options analytiques afin de maximiser la performance de leurs opérations, quel que soit l'endroit où ils se trouvent », a déclaré **Stephen Howe, directeur de la technologie de Bell***

« Beaucoup de nos clients les plus importants travaillent à distance, ce qui nécessite une disponibilité continue et l'accès aux données pour surveiller les facteurs de performance critiques et éviter les temps d'arrêt ».

Le Port de Carthagène

Le Port de Carthagène, un port moderne et réputé très actif en Colombie, utilise l'analytique pour améliorer l'efficacité du matériel du port (portiques de pneus en caoutchouc, grues et camions). Il y a plusieurs années, le port a commencé à surveiller la condition d'équipements comme la température du moteur, sa vitesse et ses heures de fonctionnement pour améliorer les coûts d'efficacité et de maintenance. Désormais, le port utilisera la plate-forme IBM Watson IoT avec l'analytique de pointe en continue de Cisco dans le Cloud. Ces capacités, y compris l'analyse prédictive, devrait aider le port à anticiper la dégradation de l'équipement et éviter les pannes d'équipement coûteuses.

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IBM and Cisco Combine the Power of Watson Internet of Things with Edge Analytics

Bell Canada to deliver intelligent data analytics solutions across the country on Canada's largest and fastest LTE network.

Joint solution pushes new technology boundaries for Port of Cartagena and SilverHook Powerboats

SAN JOSE, CA and ARMONK, NY – June 2, 2016: Cisco (NYSE:CSCO) and IBM (NYSE:IBM) today announced a global collaboration to provide instant Internet of Things (IoT) insight at the edge of the network. Now, businesses and organizations in remote and autonomous locations will be able to tap the combined power of [IBM's Watson IoT](#) and [business analytics](#) technologies and Cisco's edge analytics capabilities to more deeply understand and act on critical data on the network edge.

Today, billions of interconnected devices and sensors are gathering vast amounts of real-time data about the physical world. In recent years cloud computing has offered companies a powerful way of storing that data and turning it into valuable insight. But for businesses without easy access to high bandwidth connectivity, these capabilities are sometimes out of reach or take too long. To address the problem, IBM and Cisco have joined forces to offer a new way to produce immediate, actionable insight at the point of data collection. The new approach is designed to target companies operating on the edge of computer networks such as oil rigs, factories, shipping companies and mines, where time is of the essence but bandwidth is often lacking.

"The way we experience and interact with the physical world is being transformed by the power of cloud computing and the Internet of Things," said Harriet Green, General Manager, IBM Watson IoT, Commerce & Education. "For an oil rig in a remote location or a factory where critical decisions have to be taken immediately, uploading all data to the cloud is not always the best option. By coming together, IBM and Cisco are taking these powerful IoT technologies the last mile, extending Watson IoT from

the cloud to the edge of computer networks, helping to make these strong analytics capabilities available virtually everywhere, always.”

“Together, Cisco and IBM are positioned to help organizations make real-time informed decisions based on business-critical data that was often previously undetected and overlooked,” said Mala Anand, senior vice president of the Cisco Data & Analytics Platforms Group. “With the vast amount of data being created at the edge of the network, using existing Cisco® infrastructure to perform streaming analytics is the perfect way to cost-effectively obtain real-time insights. Our powerful technology provides customers with the flexibility to combine this edge processing with the cognitive computing power of the IBM Watson IoT Platform.”

For example, workers in remote environments will now be able to better monitor the health and behavior of critical machinery and more accurately plan for needed maintenance and equipment upgrades. By tapping into the power of the IBM Watson IoT platform and Cisco edge analytics, these companies can adopt the latest approaches to condition based maintenance through which equipment is monitored in real-time, potentially helping reduce maintenance costs by up to 50 percent and increase productivity by 25 percent (1).

Bell Canada is delivering intelligent data analytics solutions to Canadian businesses from coast to coast:

Cisco and IBM are working with Bell Canada, the largest communications company in Canada, to deliver IBM Watson IoT and Cisco Edge over Canada’s largest and fastest 4G LTE network. Bell’s network coverage and LTE-Advanced speeds will enable customers to collect data in real-time.

“This powerful IoT technology from Cisco and IBM, combined with Bell’s world leading network technology, enables customers to tap into innovative real-time analytics options to maximize performance across their operations, no matter where they are,” said Stephen Howe, Bell’s Chief Technology Officer. “Many of our largest customers operate remote systems, requiring continuous availability and access to data to monitor critical performance factors and avoid downtime. Deploying the unmatched analytics capabilities of IBM Watson Internet of Things and Cisco networking intelligence with streaming edge analytics will help to further accelerate Bell’s leadership in Canadian IoT.”

Businesses including Port of Cartagena and SilverHook Powerboats are turning to Cisco and IBM to help address their most complex IT and IoT challenges:

Port of Cartagena, a modern and highly efficient port in Colombia, is tapping into analytics on the edge to improve the port’s efficiency of assets including rubber tire gantries, cranes, and trucks. Several years ago, the Port started monitoring equipment conditions such as engine temperature, engine speed and run hours to improve efficiency and maintenance costs. Now the Port is beginning to use the IBM Watson IoT Platform with Cisco streaming edge analytics to monitor an expanded set of conditions in the cloud. This capability, including predictive analytics, is expected to help the Port to get ahead of equipment degradation and needed maintenance to keep machines running efficiently and avoid costly equipment failures.

Port of Cartagena has been nominated as the best container terminal in the Caribbean six times. It was also once named the most reliable port by the Caribbean Shipping Association, handling 2.5 million TEUs (twenty equivalent container units) per year (2).

"The city of Cartagena is considered a gateway to Colombia and home to the country's major industrial expansion and development. As a container terminal transshipment hub, our port ships goods to almost 600 ports in 136 countries around the world," said Eduardo Bustamante, Director of Operations, Port of Cartagena. "The opening of the new Panama Canal has created new challenges for all ports in the region and has made service reliability a key factor of success. With these new capabilities from IBM and Cisco, we gain immediate insight into the health and operations of our more than 47 rubber tire gantries and 180 trucks. As a result, we expect to be more productive in our maintenance processes to help ensure our fleet runs even more efficiently and vessels and cargo are moving smoothly in and out of our port."

SilverHook Powerboats, a company that designs high speed racing watercraft reaching speeds of up to 200 mph, with each boat containing two engines worth approximately \$1.5M USD, is tapping into Cisco edge analytics and IBM Watson IoT analytics to help race pilots react immediately to environment and engine multi variate conditions in real-time, indicating the need to throttle back in a split second, for example, to help prevent the boat's systems from failure and to perform optimally. Previously, without this instant insight into the critical data, the outcomes could spell disaster.

Building on IBM and Cisco's long-standing relationship, the solution will be marketed and sold together and will include Watson IoT Platform cognitive and real time insights from IBM with Cisco streaming edge analytics. This will enable real-time analytics to be performed at the edge and collection of data for longer-term analysis in the cloud.

Supporting Resources:

- Join the Cisco and IBM live broadcast from 11:00 a.m. to Noon ET: ibm.biz/totheedge
- For more information on the new joint solution: <http://ibm.com/internet-of-things/iot-news/announcements/IBM-Cisco>

Sources:

(1) McKinsey&Company. "The Internet of Things: Mapping the Value Beyond the Hype." June 2015

(2) Caribbean Shipping Association: "2015: Port of Cartagena wins coveted Caribbean Shipping Association Best Container Terminal award!" <http://www.caribbeanshipping.org/index.php/news/csa-caribbean-port-awards>

About Cisco:

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About IBM:

For more information about IBM Watson IoT, please visit www.ibm.com/iot or follow @IBMIoT on Twitter.
