

IBM lance de nouvelles initiatives à destination des développeurs

IBM dévoile une plate-forme Open Source pour les développeurs Cloud avec 50 outils et services

IBM s'associe à 200 universités à travers le monde pour former la nouvelle génération de développeurs avec IBM Bluemix

Paris - 23 juil. 2015: IBM annonce aujourd'hui une nouvelle plate-forme à destination des développeurs afin qu'ils puissent travailler avec IBM sur une nouvelle série de technologies Open Source, ainsi qu'un nouveau programme de l'Academic Initiative for Cloud qui sera déployé dans plus de 200 universités dans le monde.

[developerWorks Open](#) est un environnement basé sur le Cloud, conçu afin de permettre aux développeurs d'accéder aux technologies émergentes et à l'expertise technique d'IBM, et de collaborer avec un réseau mondial afin d'activer le développement de leurs projets. IBM dévoilera ainsi 50 projets pour la communauté Open Source afin d'accélérer l'adoption par les entreprises et inciter aux innovations Cloud dans le domaine du mobile, de l'analytique et dans d'autres domaines à forte croissance.

Les développeurs pourront non seulement télécharger les codes, mais aussi avoir accès à des blogs, des vidéos, des outils et techniques afin de faciliter leur travail. L'objectif est de les aider à travailler plus rapidement et de bénéficier de la confiance nécessaire afin de construire et déployer des applications open source pour répondre aux exigences de leurs clients.

IBM annonce par ailleurs son engagement auprès de la nouvelle génération de développeurs avec l'Academic Initiative for Cloud, afin de les conseiller et de les aider à accélérer l'innovation grâce aux technologies Cloud d'IBM. Cette initiative vise à introduire un nouveau programme sur le Cloud utilisant Bluemix, la Plateforme as a Service (PaaS) d'IBM, dans plus de 200 universités à destination de 20 000 étudiants dans 36 pays.

La diversité est un moteur de l'innovation. Avec seulement 14% de femmes diplômées en science de l'informatique, comparé à 37% en 1984, IBM s'engage pour le développement innovant grâce au Cloud. IBM soutient ainsi des programmes à destination des femmes pour leur donner accès à la technologie et répondre à la problématique de la pénurie de femmes dans les métiers du secteur.

IBM travaille ainsi avec Girls Who Code afin de présenter les innovations Cloud à la nouvelle génération de femmes qui développent dans le cadre d'un programme d'immersion de sept semaines à New York cet été, destiné à des étudiantes du secondaire.

IBM Unleashes Open Source Projects To Fuel Cloud Developer Innovations

Launches developerWorks Open to foster open collaboration around IBM innovations

IBM to contribute 50 tools and services to the open source community

PORTLAND, ORE., ARMONK, NY -- 22 July 2015: IBM (NYSE: IBM) today unveiled a new platform for developers to collaborate with IBM on a newly released set of open source technologies. IBM will release 50 projects to the open source community to speed enterprise adoption and spur a new class of cloud innovations around mobile, analytics and other high-growth areas.

[developerWorks Open](#) is a cloud-based environment for developers to access emerging IBM technologies, technical expertise and collaborate with a global network to accelerate projects. Developers can not only expect to download the code, but also have access to blogs, videos, tools and techniques to accelerate their efforts. The goal is to enable them to act with speed and have the confidence to build and deploy open source apps working with clients' demanding business requirements.

The current model of development in the open source community lacks a strategic focus business requirements. To address this, IBM is launching a set of projects in industries including healthcare, mobile, retail, insurance and banking that meet that meet real-world business challenges.

Today's news represents the next step of IBM's commitment to the open source community. IBM has more than 20 years of leadership in the open source movement, and thousands developers certified to engage in open source development. IBM is bringing this initiative forward to remove the obstacles that inhibit developers from turning open source code into sustainable applications that solve real business issues.

Among the broad range of technologies already deployed on developerWorks Open, IBM is making available projects in key areas to help bridge the development gap. IBM will also offer these services on its programming platform for cloud software development, Bluemix.

For Instance, IBM is open sourcing a number of apps from its MobileFirst portfolio that will assist developers in the healthcare, retail insurance and banking mobile markets:

- **IBM Ready App for Healthcare** that tracks patient progress for at-home physical therapy programs via mobile device.
- **IBM Ready App for Retail** personalizes and reshapes the specialty retail store shopping experience through direct line of communication
- **IBM Ready App for Insurance** improves the relationship between homeowners and insurers and uses Internet of Things sensors to synch home with utilities.
- **IBM Ready App for Banking** helps financial institution's address the mobile needs business owners and attract prospects.

Additionally, IBM is open sourcing several Analytics technologies including:

- **Activity Streams** which provides developers with a standard model and encoding format for describing how users engage with both the application and with one another.
- **Agentless System Crawler** offer a unified cloud monitoring and analytics framework that enables visibility into all types of cloud platforms and runtimes
- **IBM Analytics for Apache Spark** puts the full analytics power and capabilities of Spark at your fingertips. Beta now available on Bluemix.

IBM will also continue to open source cloud data services, including:

- **IBM Object Storage on Bluemix Service Broker** which can be used to integrate OpenStack Swift with Cloud Foundry, allowing fast access to cloud data without needing to know where the data is stored

The creation of developerWorks Open comes at an important time for cloud developers. Organizations are wrestling with getting the most out of their multiple clouds environments. For instance, a developer building cloud applications on Bluemix, that requires storing videos and repair photos for an insurance accident claim application, may have difficulty making a choice and then implementing. developerWorks Open helps simplify that choice and provides the reassurance that this has industry support.

*"IBM firmly believes that open source is the foundation of innovative application development in the cloud," **IBM Vice President of Cloud Architecture and Technology Dr. Angel Diaz** said. "With developerWorks Open, we are open sourcing additional IBM innovations that we feel have the potential to grow the community and ecosystem and eventually become established technologies."*

Currently, IBM participates in and contributes to more than 150 open source projects. These projects include Spark, OpenStack, Cloud Foundry, Open Container Project, Node.js, CouchDb, Linux, Eclipse and an already established relationship with Apache. Open source projects increase the skills and knowledge base around IBM's software product set. developerWorks Open is the next step in IBM's strategy to help businesses create, use, and innovate around cloud computing systems.

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IBM Partners with 200 Universities Globally to Train Next-Generation of Cloud Developers

New Programs for Students, Women and Enterprise to Energize Developers Using IBM Bluemix

ARMONK, N.Y. - 22 July 2015: IBM (NYSE: [IBM](#)) is introducing a new commitment to enable the next generation of developers with the [Academic Initiative for Cloud](#), aimed to mentor and energize them to innovate using [IBM Cloud](#) technologies. The new program will create cloud development curricula using Bluemix, IBM's [platform-as-a-service](#), in over 200 universities, reaching more than 20,000 students in 36 countries.

Additionally announced today, is a series of industry Hackathons reaching tens of thousands of new developers

and a set of diversity programs for women coders, all based on Bluemix, aimed at creating innovative hands-on experiences that propel radical ideas and innovation in cloud application development.

By making the use of Bluemix available to these programs, IBM will help arm the developers of tomorrow with the latest capabilities and foster the necessary skills to join the workforce and create enterprise-class cloud applications at consumer scale. The developer-friendly, open-standards-based Bluemix catalog includes over 100 tools and services of the most prominent open-source technologies combined with IBM and third-party services like Watson, Internet of Things, Big Data & Analytics, and Mobile, among many others.

*"Putting Bluemix in the hands of today's and tomorrow's innovators creates the opportunity to foster a new generation of talent in cloud application development," said **IBM General Manager for Cloud Ecosystem and Developers, Sandy Carter**. "Our commitment to provide deep cloud expertise to programs aimed at future cloud developers from academics to professionals is necessary to sustain the growth our industry forecasts."*

Introducing the Academic Initiative for Cloud

IBM's new [Academic Initiative for Cloud](#) will introduce students to the latest cloud technologies and solutions as they build the transferrable skills needed to launch their own businesses or become industry leaders in the workforce. This new program continues IBM's leadership and commitment to closing the skills gap between higher education curricula and workforce needs, which already includes [Big Data Analytics](#) and [Cognitive Computing](#) academic programs.

Starting this fall, universities around the world will commence more than 250 courses and programs that will utilize educational materials, technologies and methodologies from IBM with a focus on using Bluemix in a variety of courses ranging from computer science, information technology, analytics and data science to mobile and entrepreneurship. The list of over 210 marquee institutions includes:

- Ben-Gurion University (Israel)
- Carnegie Mellon University
- Imperial College of Science (England)
- International Institute of Information Technology (India)
- National College of Ireland
- National University of Singapore
- Northwestern University
- University of California Berkeley
- University of California Irvine
- University of Cambridge
- University of Southern California
- University of Stuttgart
- University of Texas Austin

- University of Tokyo

The use of Bluemix in the classroom will allow faculty to extend their teaching beyond theory and into practice. Enabling faculty to bring new hands-on experiences around cloud application development into their curricula, and not rely simply on lectures or demos of cognitive capabilities such as Watson Analytics or Internet of Things applications, but rather actually put these technologies into the hands of students.

Faculty members will receive 12 months of access to the Bluemix trial for themselves as well as up to six months access for students in their program. Both faculty and student accounts are renewable and do not require a credit card.

*"Leaders in business and higher education must come together to foster a new generation of digital-savvy talent," said **Kevin Werbach, a professor and expert on gamification at the Wharton School of the University of Pennsylvania.** "It's great that IBM is so committed to connecting with top universities like ours, and to giving students and faculty exposure to the latest cloud technologies and business concepts. This experience will help prepare our students as they enter the marketplace."*

Additionally, IBM is launching a new [Student Developer Community](#) that helps students get started on their journey of cloud education, and provides quick access to learning resources and information on how students can join [Bluemix U](#), where students can showcase their accomplishments and the impact of their real-world projects.

Supporting Girls Who Code and ReBoot Accelerator to Diversify the Tech Talent Pipeline

Diversity drives innovation. With only 14% of computer science graduates being women today, down from 37% in 1984, IBM is committed to innovation-driven cloud development by supporting programs that empower women in technology and address the lack of women in technology professions.

As such, IBM is working with [Girls Who Code](#) to introduce the next generation of women developers to cloud innovation by hosting a class of female high-school students in New York City for a seven-week summer immersion program. For 2016, IBM has committed to further expand its relationship with the organization to support additional programs in San Francisco, Los Angeles and Austin, alongside continued support for the New York City summer immersion program.

IBM is also announcing a new collaboration with GSVlabs on the [ReBoot Accelerator for Women](#), a program designed to help women become current, connected, and confident as they return to work after a multi-year sabbatical. IBM will host several instructional sessions that will focus on cloud development using Bluemix, aimed at demystifying coding and making it more approachable. IBM will also be providing mentorship and assistance with job placement strategies in hopes of attracting more women back to the workplace, including at IBM.

Expanding Enterprise Hackathons around the world

Hackathons have become the key way for individuals to use the latest cloud technologies, collaborate with peers and ultimately get real-world experiences that translate into innovation for the enterprise. As such, IBM has sponsored 25 of the [AngelHack hackathons](#) in the Eighth Global Hackathon Series, a series that will reach 10,000 developers, designers and entrepreneurs, connecting the world's most vibrant communities of code creators to drive open innovation for products, platforms and brands. These events will showcase how Bluemix and Watson technologies are impacting various industries, including healthcare, travel, food and emergency responsiveness.

IBM is working closely to create programs for developers to help them transform industry and enterprise, including Cloud-based open source technology, industry hackathons, and developer training programs. Learn more at developer.ibm.com/start.
