Smarter Planet

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Smarter Planet[1] is a corporate initiative of the information technology company IBM. The initiative seeks to highlight how forward-thinking leaders in business, government and civil society around the world are capturing the potential of smarter systems to achieve economic growth, near-term efficiency, sustainable development and societal progress.,[2][3]

Examples of smarter systems include smart grids,[4] water management systems,[5] solutions to traffic congestion problems,[6] greener buildings,[7] and many others. These systems have historically been difficult to manage because of their size and complexity. But with new ways of monitoring, connecting, and analyzing the systems, business, civic and nongovernmental leaders are developing new ways to manage these systems. IBM's strategy is to provide or enable many of these technology and process management capabilities and, outside of the realm of technology, to advocate for policy decisions that, according to the views expressed by IBM's management in interviews,[8] speeches,[9] op-ed articles and opinion advertising,[10] and other public venues, could "make the planet smarter."


Smarter Planet logo

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DATA-DRIVEN CITY MANAGEMENT

SMART CITIZEN

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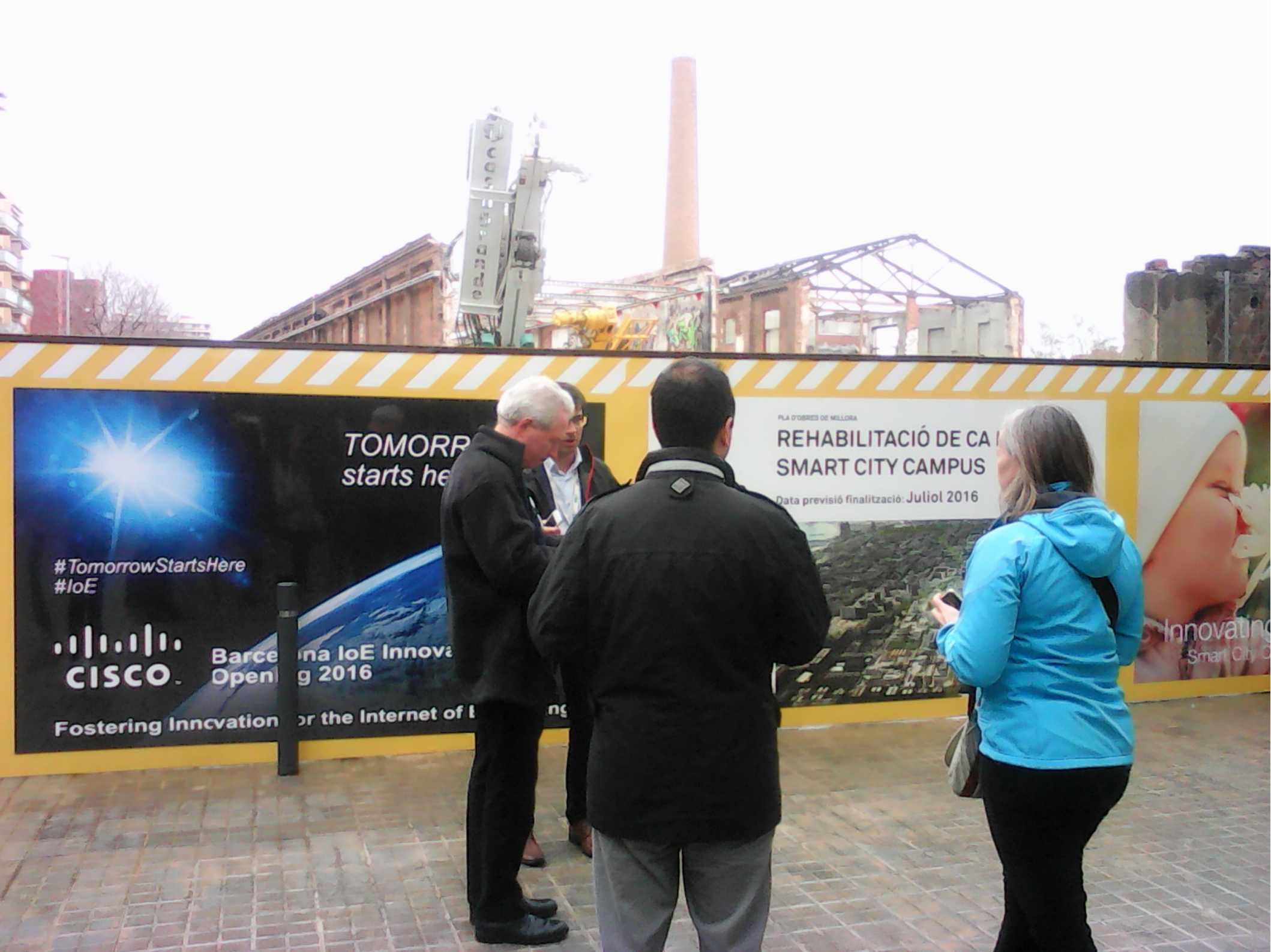
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Data previsió finalització: Juliol 2016

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Open Smart Cities II: Big Data de Código Abierto

Este artículo es la segunda entrega de una serie que aborda diferentes ámbitos tecnológicos relacionados con las ciudades inteligentes, como la Internet de la Cosas, el Cloud, el Big Data o las propias aplicaciones de la Smart City, desde el punto de vista del

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Open Smart Cities III: Plataformas, servicios y aplicaciones de código abierto para las Smart Cities

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OPEN DATA COMO HERRAMIENTA PARA LAS SMART CITIES

Las personas estamos cada vez más concentradas en las ciudades. Mientras que las grandes urbes ocupan tan sólo alrededor del 2% de la masa terrestre del planeta, actualmente la mitad de la humanidad vive ya en ciudades, el 70% de la población en el caso de Europa, y se espera que, hacia el año 2030, casi un 60% de la población mundial residirá en zonas urbanas consumiendo aproximadamente un 80% de los recursos del planeta.

A su vez, las ciudades son los principales núcleos de actividad social económica y están dotadas de infraestructuras cada vez más complejas para poder dar respuesta a las necesidades de sus ciudadanos.

www.cloudera.com/content/cloudera/en/about/hadoop-and-big-data.html

Hadoop and Big Data

Doug Cutting, Cloudera's Chief Architect, helped create Apache Hadoop out of necessity as data from the web exploded, and grew far beyond the ability of traditional systems to handle it. Hadoop was initially inspired by papers published by Google outlining its approach to handling an avalanche of data, and has since become the de facto standard for storing, processing and analyzing hundreds of terabytes, and even petabytes of data.

Doug Cutting explains Hadoop

Apache Hadoop is 100% open source, and pioneered a fundamentally new way of storing and processing data. Instead of relying on expensive, proprietary hardware and different systems to store and process data, Hadoop enables distributed parallel processing of huge amounts of data across inexpensive, industry-standard servers that both store and process the data, and can scale without limits. With Hadoop, no data is too big. And in today's hyper-connected world where more and more data is being created every day, Hadoop's breakthrough advantages mean that businesses and organizations can now find value in data that was recently considered useless.

https://www.mapr.com/sites/default/files/mapr_fast_facts_v2.pdf

MAPR

Fast Facts

MapR Technologies is provider of the top-ranked distribution for Apache™ Hadoop®

Founded	2009
Ownership	Privately held
Founders	John Schroeder, CEO and founder M.C. Srivas, CTO and founder
Number of Employees	300+
Headquarters	San Jose, California
Sales Offices	United States, United Kingdom, France, Germany, Sweden, Netherlands, Japan, Korea, Australia, Singapore, India
Open Source Commitment	MapR packages the broadest set of Apache Hadoop projects and includes support for earlier versions of software. The company spearheads the development of key open source projects where it can provide innovative capabilities to the community. In addition, the MapR commitment to open source extends beyond Hadoop to other open industry standards such as POSIX and NFS. For more details see MapR Distribution for Apache Hadoop.

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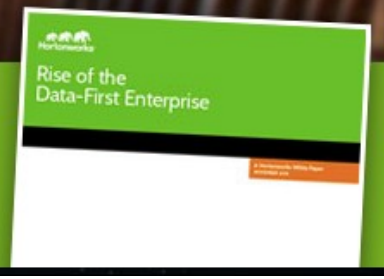

News Release

Technology Leaders Unite Around 'Open Data Platform' to Increase Enterprise Adoption of Hadoop and Big Data

SAN FRANCISCO, February 17, 2015 – Industry leaders in the big data space, including Platinum members GE, Hortonworks®, IBM, Infosys, Pivotal, SAS, a large international telecommunications firm, and Gold members AltiScale, Capgemini, CenturyLink, EMC, Splunk, Verizon Enterprise Solutions, Teradata, and VMware today announced their intent to create an industry association, identified as the Open Data Platform ("ODP"). The Open Data Platform will promote big data technologies based on open source software from the Apache™ Hadoop® ecosystem and optimize testing among and across the ecosystem's vendors. These efforts will accelerate the ability of enterprises to build or implement data-driven applications.

A conference call with some of the founding members of the Open Data Platform will be held today for members of the media and analyst community. Call details are below.

As off-the-shelf big data technologies continue to attract the interest of enterprises, these leaders are coming together to help maximize big data adoption and productivity. Companies in the Open Data Platform initiative will concentrate their efforts first on developing and using offerings focused on core Apache Hadoop use cases. The Open Data Platform will provide access to a tested reference core of Apache Hadoop, Apache Ambari and related Apache source artifacts, which will simplify upstream and downstream qualification efforts — giving the industry a coveted "test once, use everywhere" core platform.

The ODP will work directly with specific Apache projects, adhering to the Apache Software Foundation (ASF) guidelines for the contribution of ideas and code. A key benefit of the ODP will be for members to collaborate across various Apache projects as well as other open source-licensed big data projects with a goal toward meeting enterprise class requirements. The ODP is expected to promote a set of standard open source technologies and versions that will increase compatibility among big data solutions and simplify the process for applications and tools to integrate with and run on any compliant system.


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