

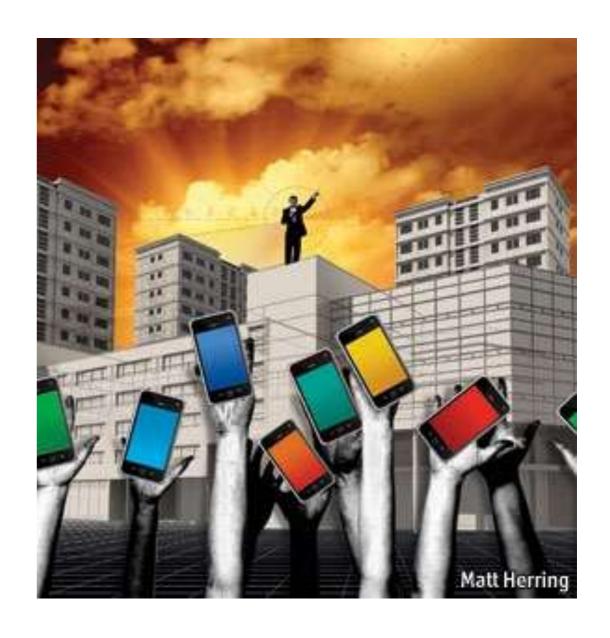
BARCELONA: how to reduce cost and gain efficiency in the city's management. Empowering the user, connecting with the citizen and opening data to the world

Manel Sanromà CIO, Barcelona

IT's arab spring...

(or Is the Sociology, stupid)

- People of all ages have grown accustomed to having powerful yet easy-to-use technologies at their fingertips: Cloud, Social Nets, Tablets, Smartphones.
- Many of them want the same stuff at work too.
- People rely on technology much more to allow them to work or play anywhere at any time.
- CIOs who try to ban the use of personal technology at work risk a proliferation of "shadow IT"



Barcelona has got a Plan for this new Era

 The City Council's governing-body believes that ICT has become vital to the future of the city and its citizens and has established a strategy which can be summarized by the acronym

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We wish to position the city as one of the Champions of ICT

MESSI

- Mobility, from 2013 to 2018, Barcelona is the Mobile World Capital (MWC) and wishes to use it as a lever for transforming the city, as well as an opportunity for companies.
- **E-Administration,** Administrative Collaboration. Cloud, Social networks, mobility....
- SmartCity, Barcelona wants to lead a new concept of intelligent city, a way to govern cities.
- Systems (Information Systems) modern and efficient that respond to the strategic objectives of the city.
- **Innovation** to transform the administration, to improve production processes and the quality of life.



01Open Data Barcelona: bigov

Why?

OpenData consists on making available to citizens and businesses data that public authorities have in custody for their duties











Offering access to data in digital, standardized and open formats, following a clear structure allowing a better understanding and processing **Increase transparency**



Social use: universal access to data



Promoting economy and innovation



Open Data Barcelona iCity

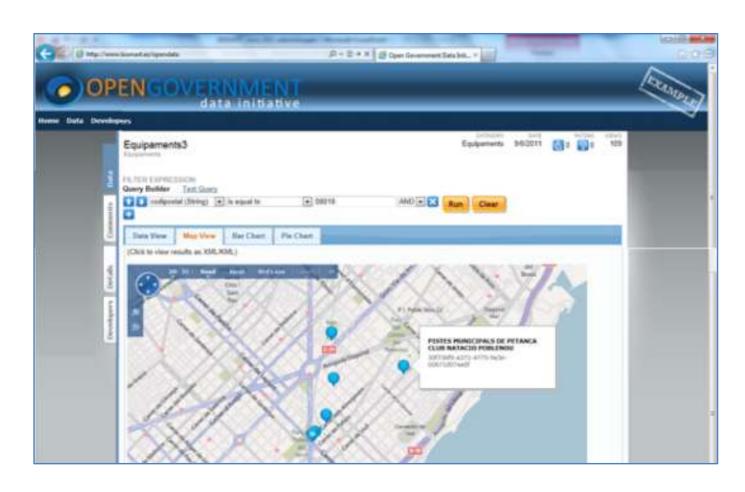
- •In a first phase, opened more than 500 different data sets classified into 5 broad areas: Economy, Territory, People, Urban, Administration
- •Now with Project iCity (+ Great London A., Genoa, Bologna, Cisco, Fraunhoffer I...) we aim at putting data in the hands of SME to promote their creating public services



OpenData with Microsoft cloud

OpenData solution in Microsoft Azure

Opening Public Information Platform to Microsoft cloud

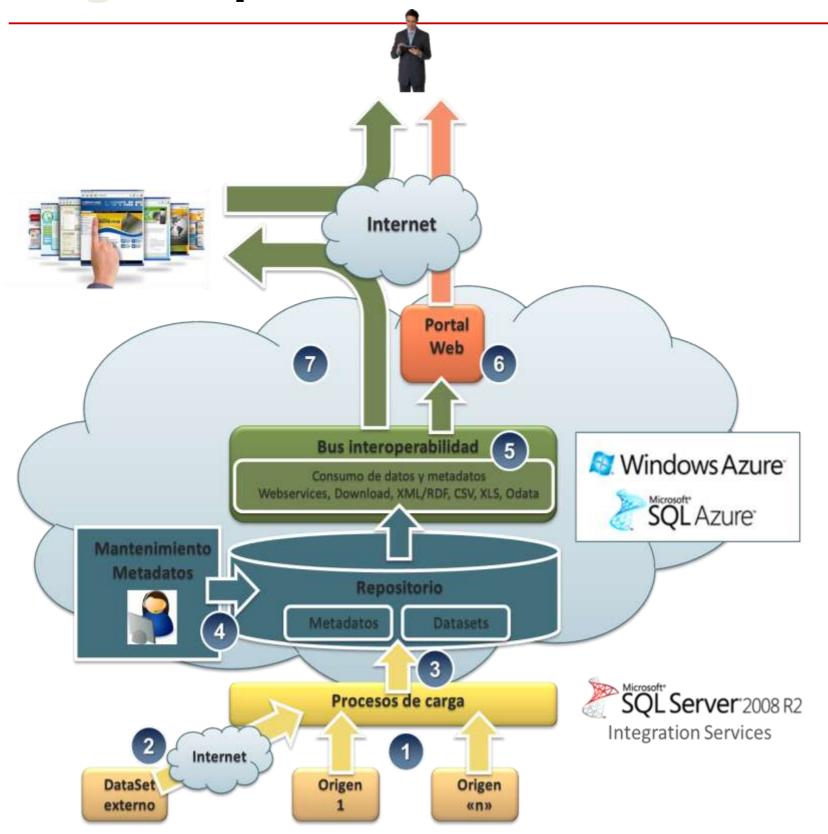






Windows Azure and Azure SQL to create, host and scale applications in Microsoft data centres. Requires no upfront costs, no long term commitment and pay only for resources used.

bigov OpenData. Azure's Architecture Solution



Azure provides the following enhancements to Opendata:

- Consumption of automated data from applications like Excel, ASP, Java, Python, Windows Phone, iPhone, etc.
- High availability and scalability
- © Reduced infrastructure costs based on consumption



Corporative workstation: Nemic

Objectives

Improve the user experience, bringing it to a "domestic experience"



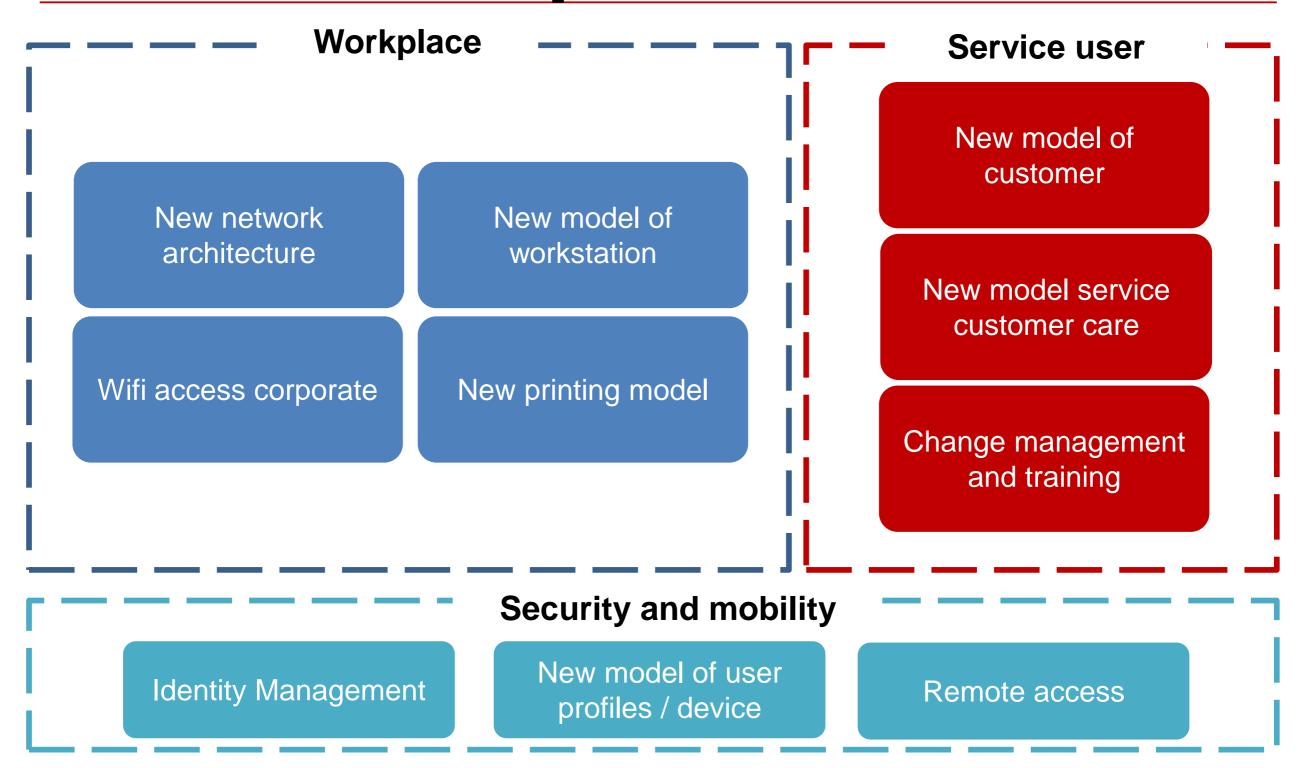




Service Availability Improvement Availability of services with mobile devices

Reduce printing costs and maintenance

Conceptual model



4/22/12

Benefits and impacts

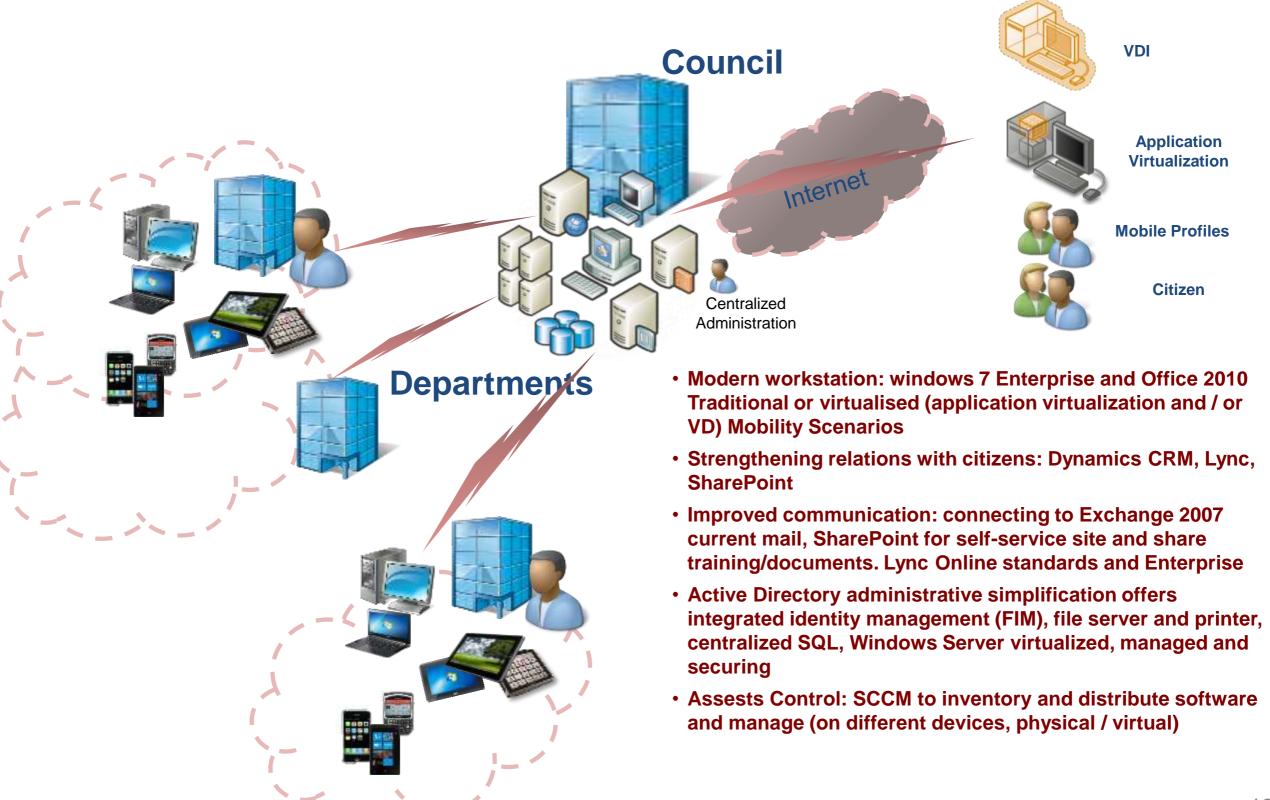
Workplace: robust, fast, mobile, close to the user and diverse

Office: modern, attractive, collaborative and integrated communications

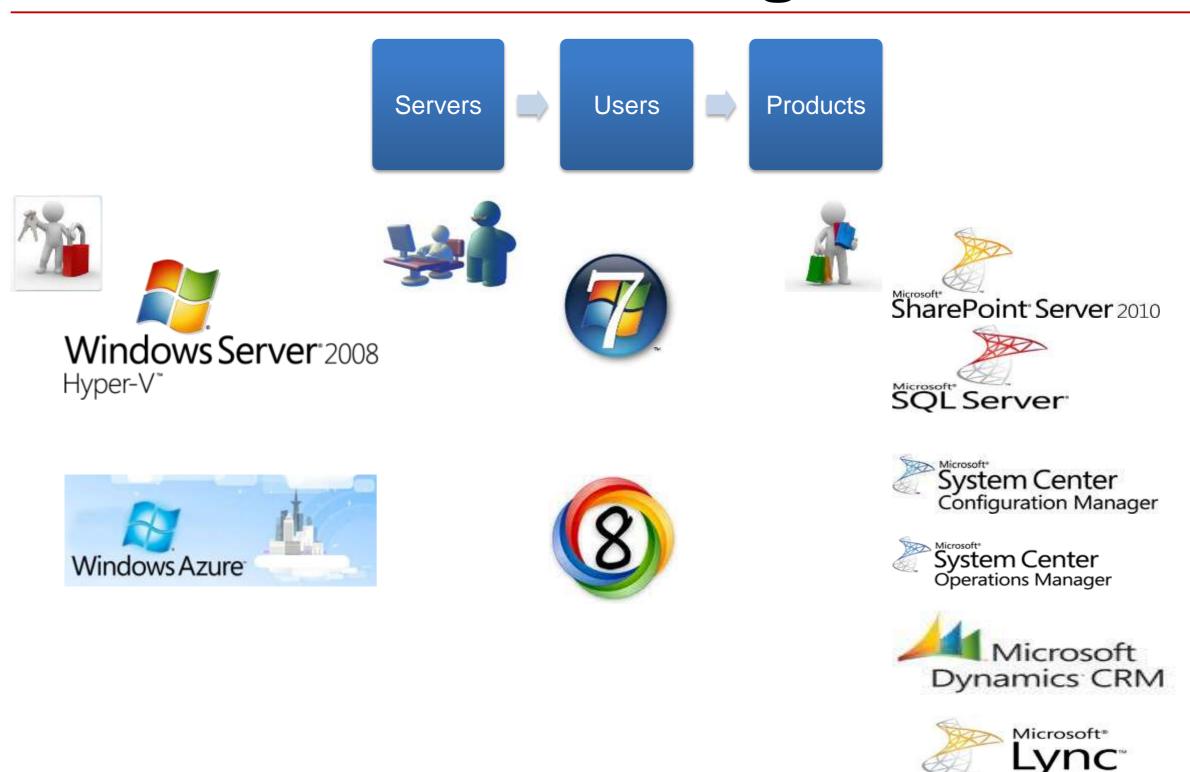
User services: comprehensive, service-oriented and finalist

Eco-efficiency: saving energy and waste

Improved user experience



Microsoft to get it



Building a winning Strategy with Partners

- BIGOV and NEMIC are but two of our projects facing the challenges of new ICT
- BARCELONA needs a TEAM to win: MICROSOFT is one of our best players



- Mobility,
- E-Administration
- SmartCity
- Systems (Information Systems).
- Innovation

