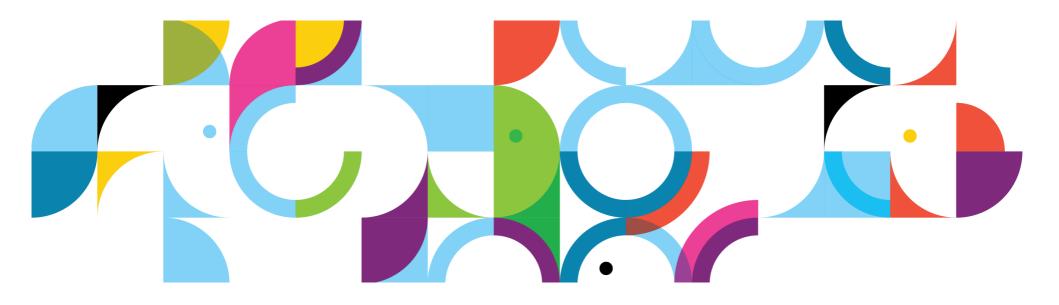
Social Business



# Why become a Social Business on System z?

Eric Hurley / Dexter J. Doyle Social Business Specialists <u>ehurley@us.ibm.com</u> / <u>doylejd@us.ibm.com</u>





# Agenda

## What is a "Social Business?"

- Web Portal Concepts Infused with Social Collaboration
  - Portal Concepts Explained
  - CICS integration with Portal
  - Portal Goes Mobile
- How Social connects to Big Data/Analytics, Mobile, and Cloud
- Customer Experiences and Additional Resources

IBM. 🗑

## How would you describe Social in the workplace? Typical Stereotypes of Social...

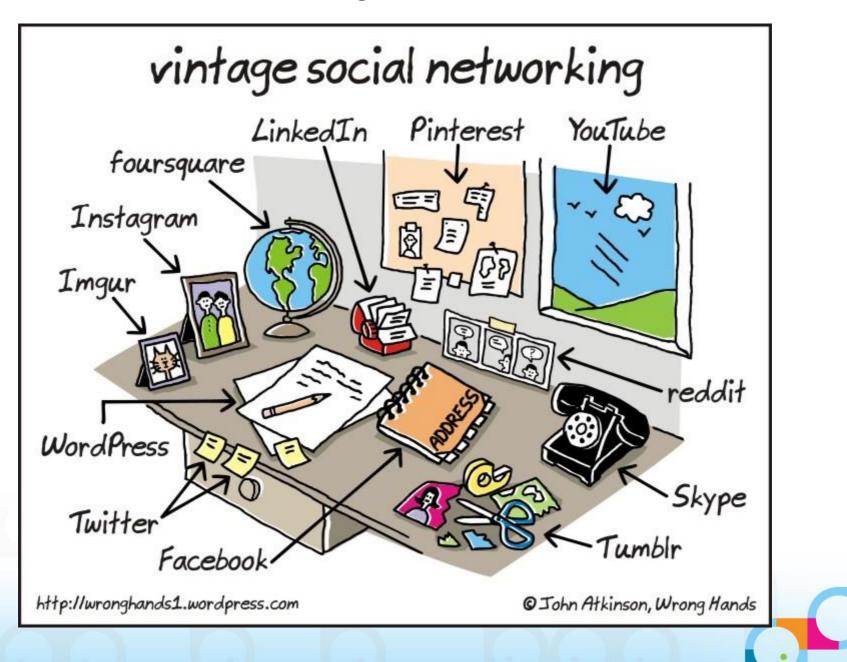
- Distraction/Time consuming
  - (Decreased Productivity)
- Ungovernable
  - (Regulating information shared)
- Unnecessary
  - (No profit margin/expected benefits)





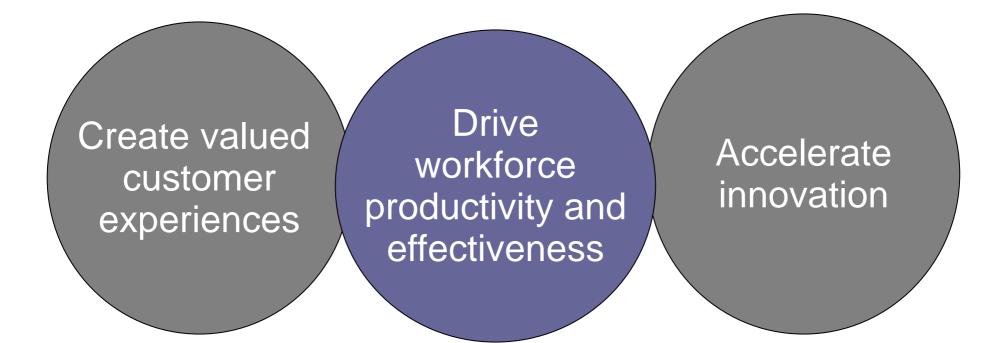


How models have changed over time...





## What is a Social Business?



Social business harnesses the trends in market today, helping us change business models of yesterday and driving brands forward into the operating modes of tomorrow.



## **Characteristics of a Social Business**

#### Compelling

Captivate customers and employees with a rich experience and content they need and desire



#### Relevant

Listen to and anticipate customer preferences and captivate them with rich, personalized digital experiences

#### Consistent

Delight users on any channel or device with integrated and tailored applications and content

#### Empowering

Exchange valuable insights and feedback and build trusted relationships, loyalty and advocacy



## How can **Social** solve your business problems? <u>Social Business Patterns</u>

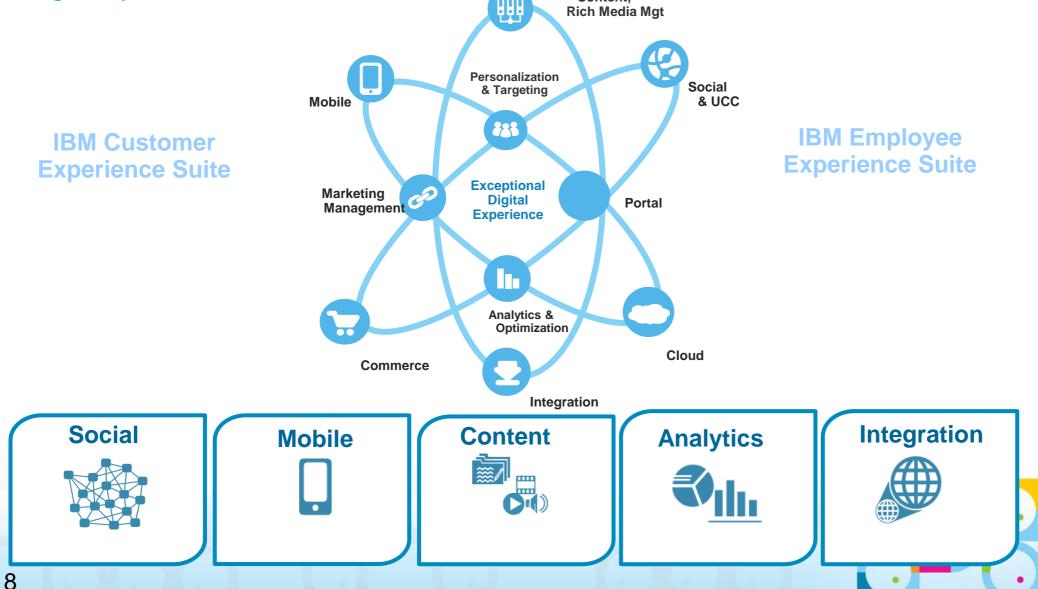
Customer	• Provide a common customer experience to sales, service and marketing processes and channels (online,							
Engagement	contact center, in-person, mobile and others)							
	Identify and connect with key customer influencers to establish broad and ongoing relationships							
Innovation	Increase innovation with a wider reach of ideas							
	<ul> <li>Increase the success and speed of bringing innovations to market</li> </ul>							
Recruiting	Collaboratively find and connect the right candidate to the right position							
and	Streamline assessment and hiring processes							
onboarding	Better connect, engage and retain new hires							
	Contextually recommend expertise to increase new hire productivity							
Mergers and	Increase overall success rate of merger and acquisition activities							
acquisitions	<ul> <li>Accelerate creation of "one company" community and culture</li> </ul>							
	Maintain customer focus and success by building rich social networks							
Workplace	Speed communication of new or changed safety regulations, policies and procedures							
and Public	Minimize or eliminate project execution delays that arise from actual or potential safety issues							
safety	Improve innovation in safety procedures by increasing dialogue between safety experts and workers							
Expertise	Create social networks aligned to organizational priorities to identify, create and spread knowledge and							
and	expertise							
Knowledge	Connect the best possible resources to effectively respond to customer needs							
	• Embed the identification of resources with relevant expertise and other related communities,							
	documents and more into core applications and processes							
Supply	Engage customer communities and leverage social analytics for improved demand forecasting							
Chain	Build active supply chain communities (within and across companies) to benchmark and share							
	Best Practices							

ø



## **IBM Exceptional Digital Experiences Solution**

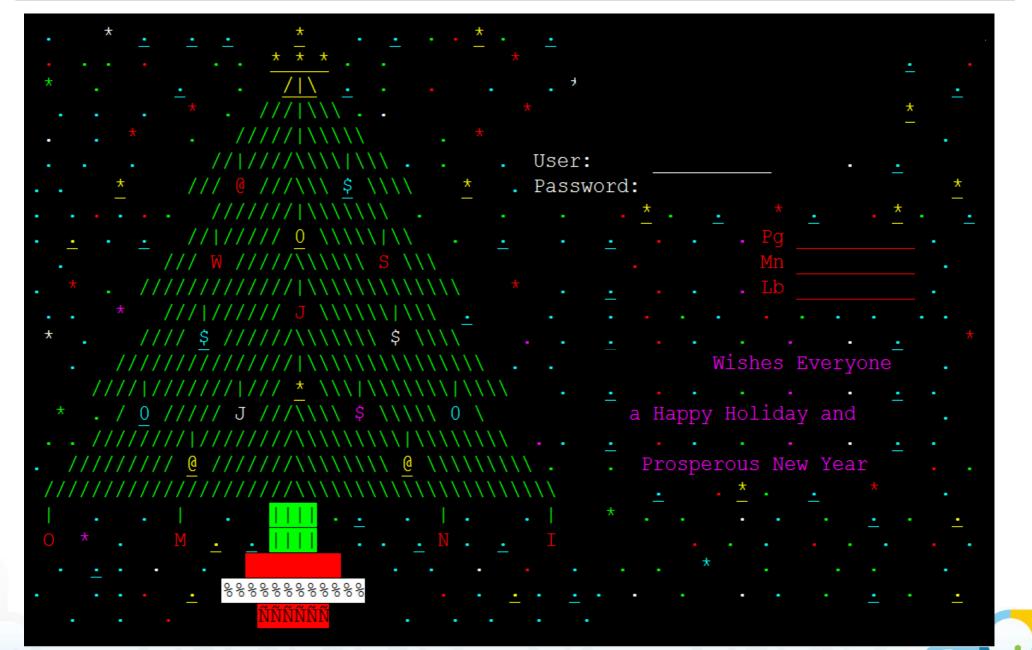
Bringing together the essential capabilities to create, manage, and deliver powerful multichannel digital experiences





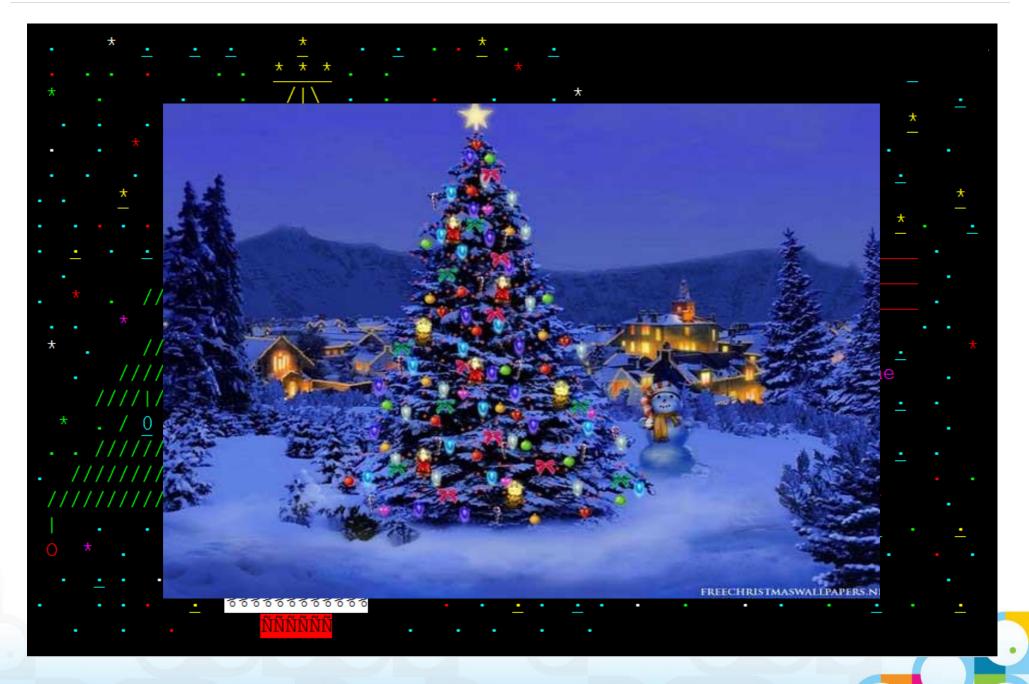
## Agenda

- What is a "Social Business?"
- Web Portal Concepts Infused with Social Collaboration
  - Portal Concepts Explained
  - CICS integration with Portal
  - Portal Goes Mobile
- How Social connects to Big Data/Analytics, Mobile, and Cloud
- Customer Experiences and Additional Resources



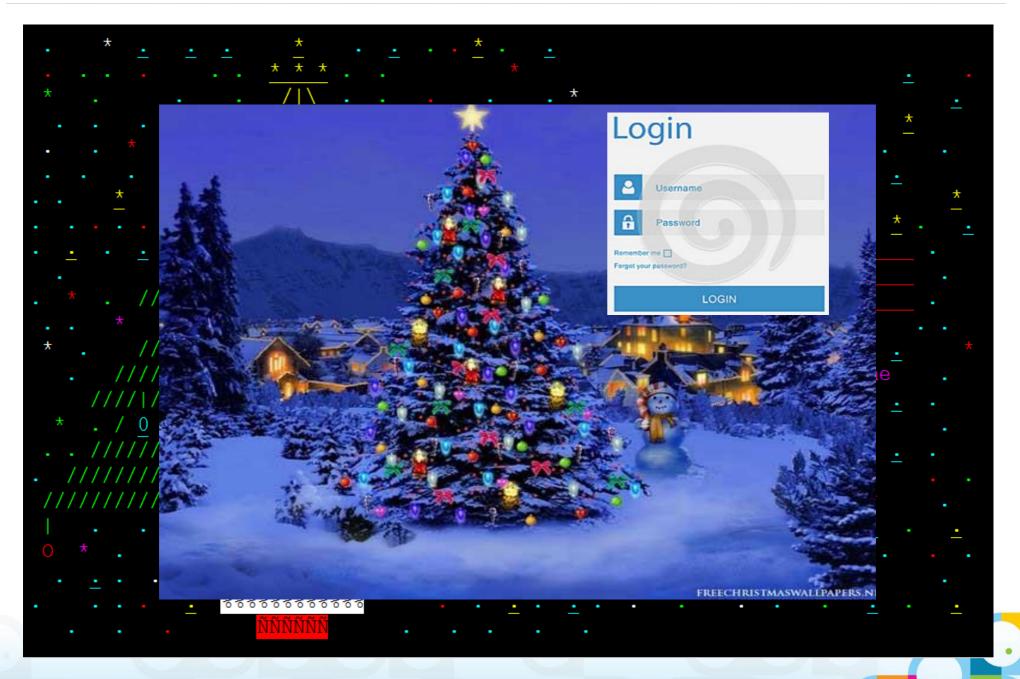






•







## Do your end users:

- Complain about "the green screen?"
- Make fun of, talk down to, or cuss green screen panels and function keys?
- Struggle to learn all aspects of the CICS presentation layer in a timely manner?
- Infuriate their customers by trying to correct an embarrassingly simple mistake?
- Complain about accessing multiple disparate applications to effectively do their job
- Increase security risks by writing down CICS specific passwords and taping them to their computer monitor?
- Wish they could POINT AND CLICK in a browser? Or fill out a simple web form and click "submit" to pull up customer data?





.

.

SURNAME	RANGER TEX		(18 CHR	S) TITLE	:		(4 CHRS	OPTIONAL
FIRST NAME	TEX	2	(1Z CHR	5) MIDDLE	INIT:	A	(1 CHR	OPTIONAL
	: 456789012							
	1: 1000 BALL							
	2: ARLINGTON					22		
LINE	3: 76011		ć	24 CHRS OI	TIUNA	63		
CARDS ISSUED	: 1	(1 TO 9)		CARD CO	DE :	I	(1 CHR)	
	: 07 07 07							R.)
APPROVED BY	: REH	(3 CHRS)						
01: BIG 03:				02: 04:	3.923			
	1: CODE2:	CODROS			OTATA			
	VAILABLE AT					00.00	S	TATUS N
NOTE:- DETAI	LS IN BRACKE	TS SHOW H	XIMUM N	D. CHARACI	TERS AI	LOWED	AND IF	OPTIONAL
PRESS CLEAR	" OR "ENTER"	TO RETUR	N TO THE	MENU WHEN	J FINIS	SHED		
à* a								03/01

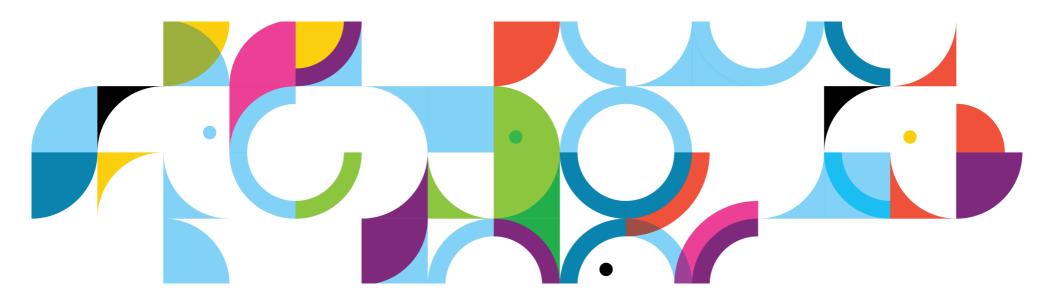


51	Home   About Us   Products   0	Careers   Contact   More		Welcome a. Catalog⊸ Logout			
	YOUR BEST EXPERIENCE		All Connections	Search	DNAL)		
	News Dashboard Graphics Cor	nections Sametime E-Mail Adminis	stration Industry / Transactions				
	Home > Industry / Transactions > Indust	ry .					
L.	Easy ways to get to you need.	he answers Account/Policy Details					
D2		account Town 401 Decideor					
A.I		856245 - Term-10 [ Pending-f	Kedt & Ovv J				
	Call Me	Owner:	Albert Gurland				
	Chat With Me	Last Refresh:	16-Nov-2010				
	eMail Me	Servicing Advisor:	[060384] Olijnyk, Peter				
	or call us at 1-508	855-1000 Servicing Branch:	[11740] Hub Financial Inc				
		Plan Information					
51	Content Catalon						
NO	Content Catalog	Map Policy Effective Date:	07-Nov-2010		N		
	3350 East Spring St. Long Beach, CA, 90808	Modal Premium:	\$137.25				
	562-967-1111	Annual Premium:	\$1,647.00				
		Tax Type:	Non-registered				
		Par Signal:	Non Par				
N	Name: Christine Lanza	Dividends:	Not Applicable		DNAL		
	Address: 48 Casterbridge Ave	Non-Forfeiture Option:	None		and the second		
	Toronto, ON M2R 8F	O Status Changed Date:	07-Nov-2010				
P.1	Phone: 416-310-1010	Original Contract Date:	07-Nov-2010				
1.* s		Payment Frequency:	Monthly		03/01		

.

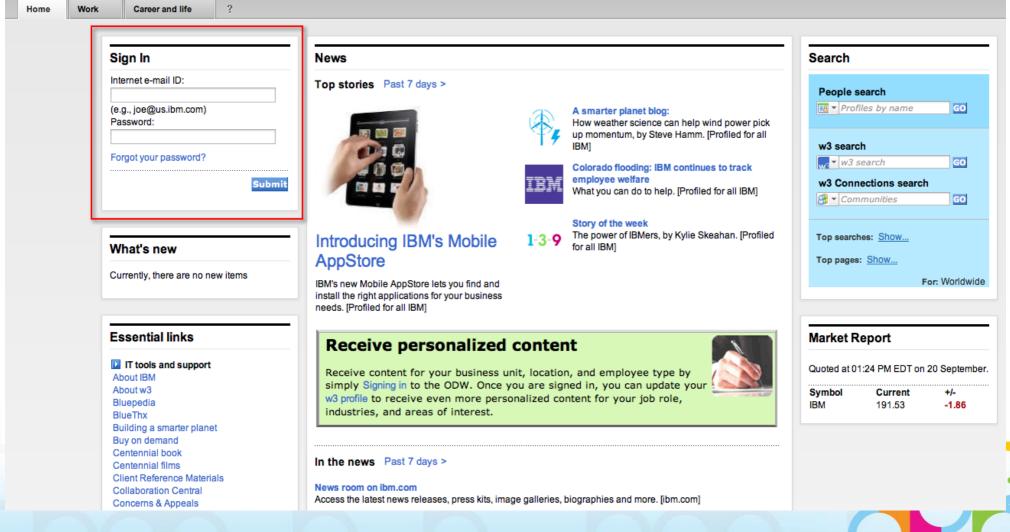


# WebSphere Portal Concepts Explained





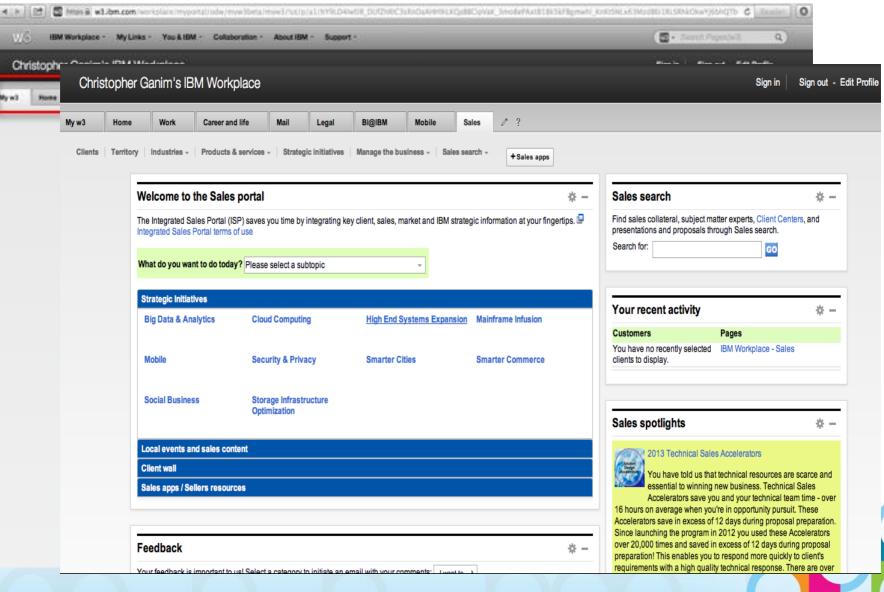
- Portal
- · A single point of entry to many different web-based resources
- WebSphere Portal aggregates those resources in one place and requires the user only to log in to the portal itself and not to each resource separately





• Portal Page

A portal page is an aggregation of portlet output windows





#### • Portlet

- Portlets are reusable web modules that run on a portal server and provide access to web-based content, applications, and other resources
- From a user's perspective, a portlet is a window on a portal site that provides a specific service or information, for example, a calendar or news feed.

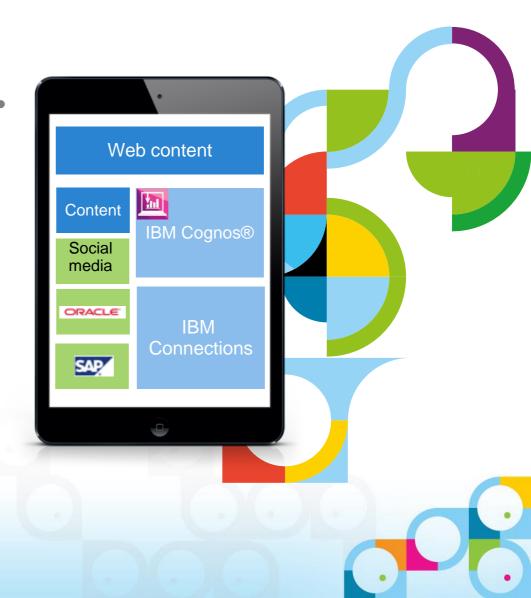
Chr	istopher (	Ganim	's IBM Workplace	)					2	Welcome back Christopher	Ganim   Sign ou	ıt - Edit Profile	
My w3	Home	Work	Career and life	Mail Legal	BI@IBM	Mobile Sale	es 🧷	· ?					
	Chris	stopher	r Ganim's IBM Work	kplace			Sign in Sign out - Edit Profile						
	My w3	Home	Work Career ar	nd life Mail Lo	gal Bl@IBM	Mobile	Sales d	1 ?					
	Clients	Territory	y Industries - Products	& services - Strategic init	iatives Manage th	e business 🗸 🔰 Sales :	search -	+Sales apps					
			Welcome to the Sale	s portal				* -	Sales search	h	÷ -		
			The Integrated Sales Portal (I Integrated Sales Portal terms	(ISP) saves you time by integ s of use	rating key client, sale	es, market and IBM stra	ategic informa	tion at your fingertips. 🖵	presentations and	eral, subject matter experts, Client Ce d proposals through Sales search.	nters, and		
			What do you want to do toda	ay? Please select a subtopic	)	-			Search for:	GO			
			Strategic Initiatives						Your recent	activity	* -		
			Big Data & Analytics	Cloud Computing	<u>High E</u>	nd Systems Expansio	<u>on</u> Maintran	ne infusion	Customers You have no rece	Pages ently selected IBM Workplace - Sale	es		
			Mobile	Security & Privacy	Smarte	er Cities	Smarter	Commerce	clients to display.				
			Social Business	Storage Infrastructur Optimization	e				Sales spotlig	nhts	÷ -		
			Local events and sales co	ntent					2013	Technical Sales Accelerators			
			Client wall Sales apps / Sellers resou	irces					essen	ave told us that technical resources a tial to winning new business. Technic erators save you and your technical te	cal Sales		
		L							16 hours on ave Accelerators sav	rage when you're in opportunity pursi ve in excess of 12 days during propos the program in 2012 you used these	suit. These sal preparation.		
			Feedback	ual Calanta antenna da 1-14	ate en emell uitte			* -	over 20,000 time preparation! This	es and saved in excess of 12 days du s enables you to respond more quick th a high quality technical response.	uring proposal dy to client's		
9			The second s moortant to	The select a calenne to Initi		a cradmanis: E tusat to	• • ·				•		



#### Integrate and aggregate

Business content, applications, processes and forms into one unified employee experience

- **Single sign-on** services include a credential vault and persistent back-end connections.
- **Development tools** create multichannel applications and dynamic forms.
- **User profiles** are managed through the virtual member manager, which stores user data in Lightweight Directory Access Protocol and a database.
- **IBM WebSphere® Portal Integrator for SAP** software allows easier integration with SAP data.
- **Powerful "wiring" capabilities** allow one component to take action based on the user interaction or data from another component.



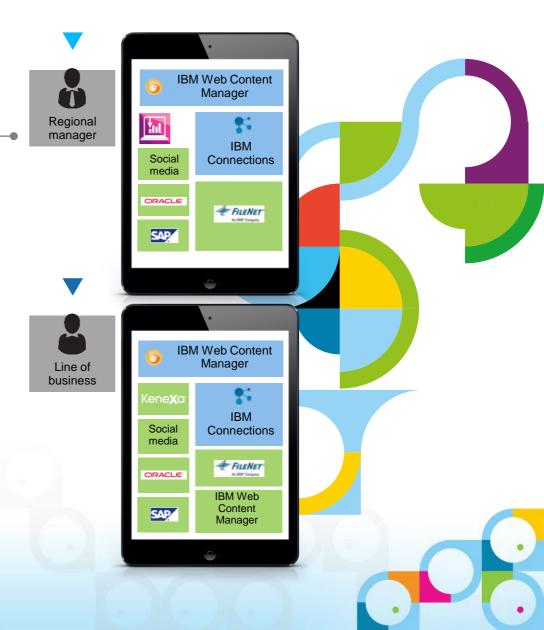


#### Analyze and personalize

Provide a personal experience targeted for the right user



- Create flexible personalization rules to determine how the digital experience interacts with individuals and groups
- Integration with IBM Digital Marketing Optimization to create segments based on customer behavior
- Automatically target the right content to engage and reengage each visitor segment
- Multilingual support
- Out-of-the-box integration with analytics solutions
- **Need and interests are stored** as properties and can be accessed for personalization purposes
- Easily set up target marketing campaigns with related content, start dates and stop dates



IBM. Ö

A Digital Strategy integrates **seamlessly** with existing technology and providing **secure** contextual, omni-channel & mobile delivery





## **Portlet Principle**

Company Tracker										
Company	Last	Change	Chg%	Volume	Quote Detai	Chart	Profile	News		
INTL BUSINESS MACH	▲ 75.45	0.12	0.16 %	4.0M	8		4	6		
Microsoft Corporation	<b>A</b> 24.36	0.02	0.08 %	40.8M	Ē		<b>.</b>	色		
Oracle Corporation	<b>1</b> 4.93	0.13	0.88 %	47.5M	Ē		<u>"</u>	Ē		
Get Quote										

MarketWatch © MarketWatch, Inc. 2006 Intraday data provided by ComStock, an Interactive Data Company.



Each portlet is a separate application

- Developed independently
- Portlets have modes and instance data
- Can be placed anywhere on the page

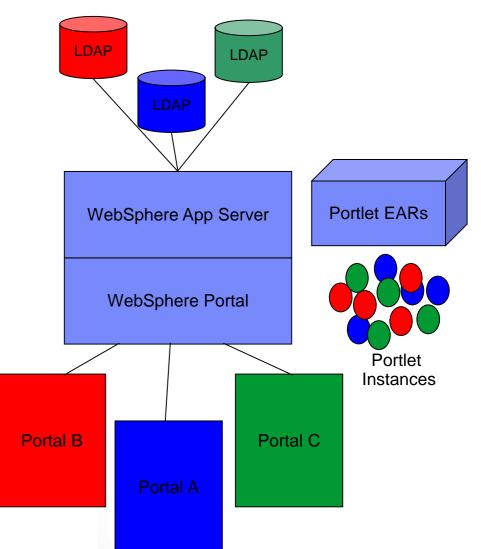
Portlets can support multiple devices

- Phones, Organizers, Voice
- Unique views for each device with shared business logic
- Standards Based
- JSR 286
- WSRP V2.0



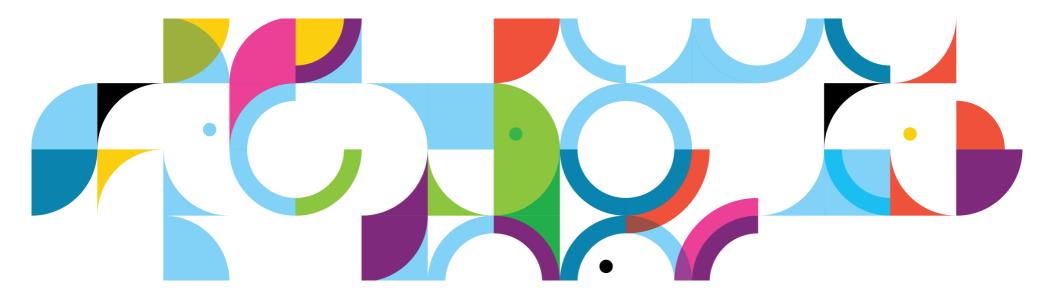
## Virtual Portals

- Virtual entities each representing the logical behaviour of a distinct WebSphere Portal running on a shared infrastructure
  - Unique URLs
  - Shared resources (JVM, Portlets, Configuration Repository)
  - Unique set of places, pages, and users
  - Unique set of anonymous pages , login and sign up pages, and themes and skins
  - Unique user directories
  - Each can have separate administrator groups





# **CICS integration with Portal**





# System z software continues to innovate to solve business requirements

71% of global Fortune 500 companies use the mainframe

Mainframes process roughly **30 billion** business transactions per day, including most major credit card transactions and stock trades, and money transfers

## It is estimated that 80% of the

world's corporate data resides or originates on mainframes

~70% of all enterprise transactions touch a System z

**55%** of all enterprise applications need the mainframe to complete transactions

**1.1 million** CICS transactions, every second, every day



## Portal as a Modernized CICS User Interface

## How?

CICS Web Services

• HATS (Host Applications Transaction Services)

## Why?

Highly personalized, role based user experience

Single point of access to multiple disparate applications in an intuitive, user friendly portal

Single Sign on capabilities

Reusable/flexible portal and portlet infrastructure designed for scaling

Consistent look and feel across portal pages

Mobile ready themes out of the box

Integration with IBM Worklight for mobile applications



## Why a Portal front end makes sense from an IT Perspective?

- Most CICS apps have a development investment between 1-45+ years of code
  - Preserve millions of dollars already invested in heritage apps
- Scalability, security, serviceability, High Availability
  - Minimize costs with extreme virtualization
  - Minimize and eliminate negative publicity associated with security breaches
  - Decrease operating costs with centrally managed portal infrastructure on z
- No need to rip and replace or rebuild
  - Save millions in new software, hardware, and project costs
  - Eliminate major project delays and risks

Eliminate risk by utilizing Portal on System z as the central system of engagement for your <u>critical</u> systems of record



## Why Portal makes sense from an end user perspective?

- Intuitive customer and employee interface and dashboards
  - Increase customer satisfaction
  - Increase revenue
  - Decrease customer service calls
  - Decreased training times for non-IT personnel
- Mobile ready portal accessible from any device
  - Appeal to growing mobile demand
  - Increase user satisfaction
  - Increase revenue

Engage your employees and customers with an interface they love powered by the most efficient, secure, and mature application platform on the market...CICS



## A comparison between Portal & HATS

## What is WebSphere Portal:

-Highly-personalized, social experience for your customers

-Provides users a single point of access to the applications, services, information and social connections they need

-Common theme across all devices

-Tight integration with IBM's Web Content Management tools

## What is Host Access Transformation Services (HATS):

-transforms traditional text-based interfaces—such as 3270 and 5250 green-screen applications—into web, portlet, rich client or mobile device user interfaces

-extends 3270 applications as standard web services

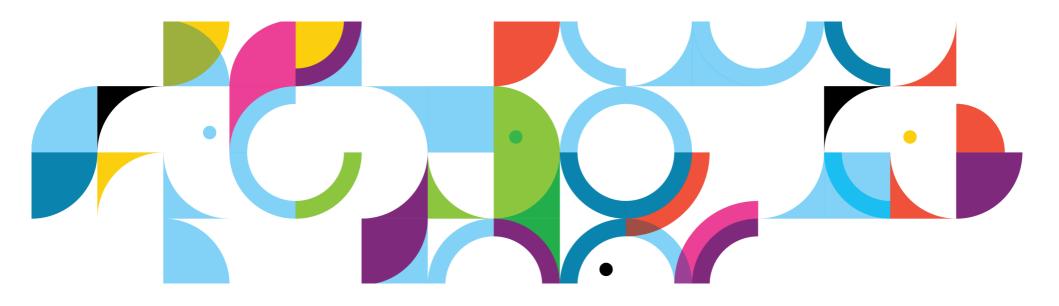
-Convert traditional text-based host application screens to user-friendly GUIs.



#### Portal HATS Accessible Version Español Florida Blue 💩 🗑 A My Company Contact Us Search Login / Register Home Shop Our Plans Find a Doctor Find an Agent Find a Center About Us My HATS Application Home Page Employee portal Jobs Articles Main product **Open Enrollment Enroll Today** LAST Additional for getting health insurance ends Members >>> products Call us at WORK WITH OBJECTS USING PDM TORASISC Downloads 1-800-876-2227, visit a March 31. Providers Support LIBRARY . . . . . POSITION TO . . . . . . . . ADTSLAB1 Florida Blue Center POSITION TO TYPE . . . . . CHANCE or call your local agent Agents TYPE OPTIONS, PRESS ENTER. to buy a health plan. OBJECT TYPE ATTRIBUTE TEXT OPT CALL400 \*PGH CLP Call WREINV program Employers CLEMEG \*PGH CLF Clear message queue DLTCHR \*PGH RPGLE Celdial - Customer detail Member Registration DLTEDT \*POM RPOLE Work with inventory mainline \*PGM RPGLE **DLTEDT1** Work with inventory mainline DLTEDT2 \*PGM RPGLE Work with inventory mainline DEPRSG \*PGM CLP Issue messages CLE Program Call SmartGuide Example GETTIME \*PGM MORE Shop Our Plans **New Member Information** Toolbox PARAMETERS OR COMMAND ---> F3=EXIT F4=PROMPT F5=REFRESH F6=CREATE See just how affordable plans We're here for you with help, support, advice, and guidance: Blue in the Community F24=MORE KEYS F9=RETRIEVE F10=COMMAND ENTRY F23=MORE OPTIONS can be - health, pharmacy, • Health Care Reform Applying for Insurance dental, life, financial plans and Default Refresh Disconnect Turn Keyboard Off Find an Agent • Making a payment; simply call 1-800-950-3577, Option 1 Compliance Resources • Receiving Member ID Cards Individual and Family Plans · Summary of Benefits Contacting Us

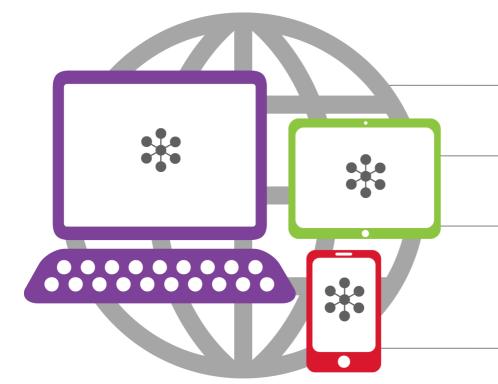


# **Portal Goes Mobile**





### Allow employees and customers to engage virtually anytime, anywhere



#### Out-of-the-box responsive web design (RWD) web experience themes

Built on open web technologies (HTML5, CSS3, JavaScript)

Sites created are multichannel ready (desktop, smartphone, tablet)

Extend the digital experience to use on-device (camera, security-rich off-line storage, accelerometer, maps) features (IBM Worklight® software)

Device classification capabilities help deliver the right CSS for the appropriate device

#### Mobile web

Optimized for mobile using themes and responsive web design techniques

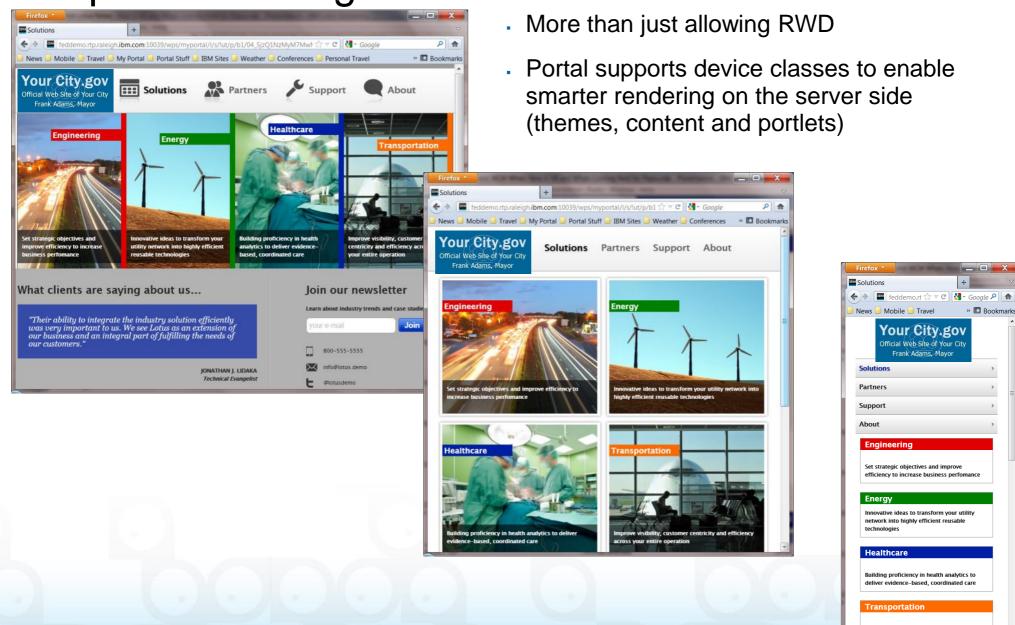
Hybrid mobile Extending digital browsers (phones, tablets) experiences to include ondevice capabilities and app stores with entitled IBM Worklight capabilities

#### Websites

Integrated content and applications into a unified web experience optimized for desktop browsers



## **Responsive Design Themes**



Improve visibility, customer centricity and efficiency across your entire operation



Events

Landmai

News

Downlo

Checking out the new government dem

Mayor Frank Adams Website Contact

Public works Lucille Suarez Website Contact

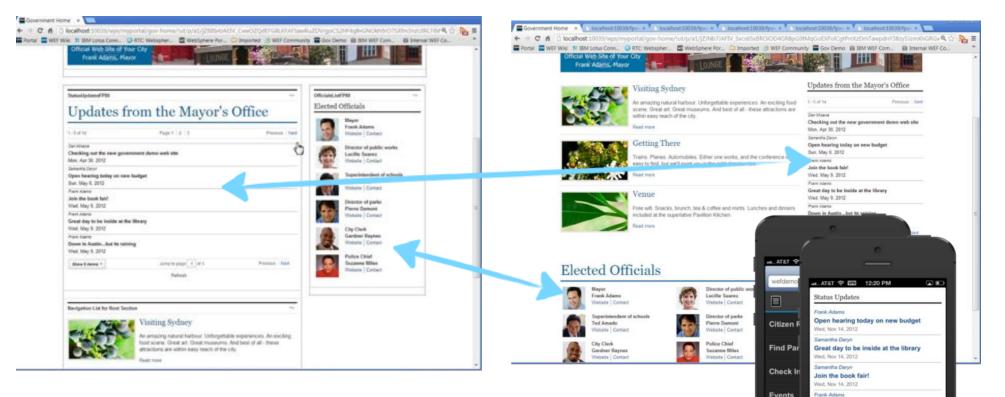
> 00

Schoole

Wed, Nov 14, 2012

Elected Officials

## Web Experience Factory Applications support out of the box responsive theme



Out of the box capabilities including CTC4 and stand-alone Responsive Web Design themes

Key benefits include:

- Faster and easier to build solution
- Fits in with other CTC4 based solutions
- Supports multiple channels including desktop
- browsers, smartphones and tablets 35



## Agenda

- What is a "Social Business?"
- Web Portal Concepts Infused with Social Collaboration
  - Portal Concepts Explained
  - CICS integration with Portal
  - Portal Goes Mobile
- How Social connects to Big Data/Analytics, Mobile, and Cloud
- Customer Experiences and Additional Resources



### Social & Big Data/Analytics

General benefits of integrating Social with Big Data and Business Analytics (BA)	
Single Sign- On (SSO)	A user logging into WebSphere Portal will also be logged into the Big Data and BA products.
Dashboard	Promote the creation of a WebSphere Portal dashboard portal page. The user will be able to see information from multiple backend applications on one portal page.
Socialize Big Data	For example, if Big Data and BA identifies a health epidemic in a certain geography, an ad-hoc IBM Connections Community can be created to bring together people from disparate organizations to quickly address the health threat.





### Social & Mobile

By 2020 there will be 10 billion-plus devices in the pockets and palms of consumers. IBM expects mainframe clients to adopt this trend by deploying more mobile workloads in 2014.

Making client engagement and employee collaboration easy for people using mobile devices is an important part of an organization's transformation to a social business.





### Social & Cloud





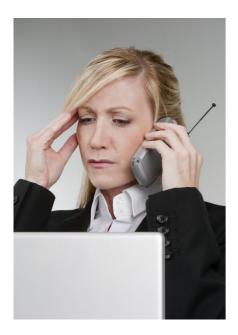


### Agenda

- What is a "Social Business?"
- Web Portal Concepts Infused with Social Collaboration
  - Portal Concepts Explained
  - CICS integration with Portal
  - Portal Goes Mobile
- How Social connects to Big Data/Analytics, Mobile, and Cloud
- Customer Experiences and Additional Resources



### The impact of customer service



51% of Americans Switched Providers in the Past Year Due to Poor Customer Service at a cost of \$1.4T<sup>1</sup>

# of people social customer tells about a good service experience – 42; a bad experience – 53<sup>2</sup>

Customers who receive social customer service responses spend 20% - 40% more with company <sup>3</sup>

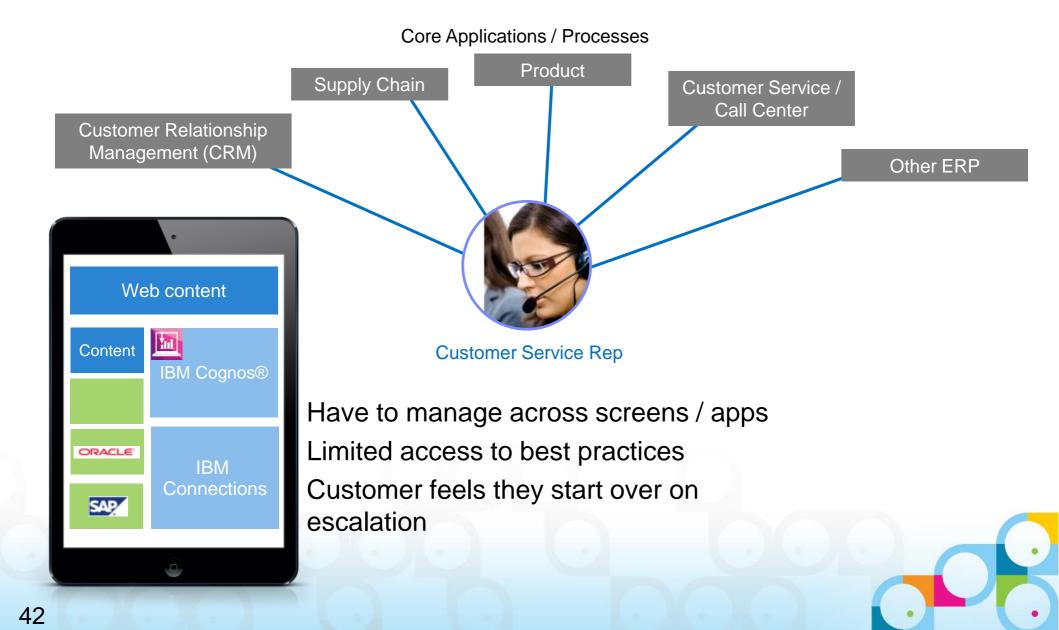
Companies delivering customer support through social media achieve superior gains – 7.5% vs. 2.9% <sup>4</sup>

66% B2B & 52% B2C leave from 1 bad service experience <sup>5</sup>





### The challenge to the CSR



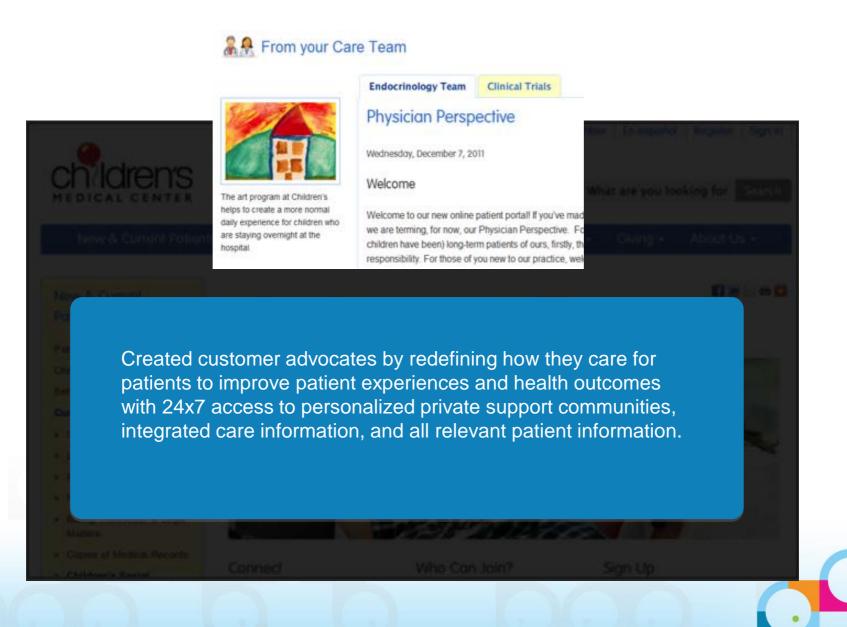


# **Children's Medical Center Dallas:** Leading by integrating social into patient care and disease management processes



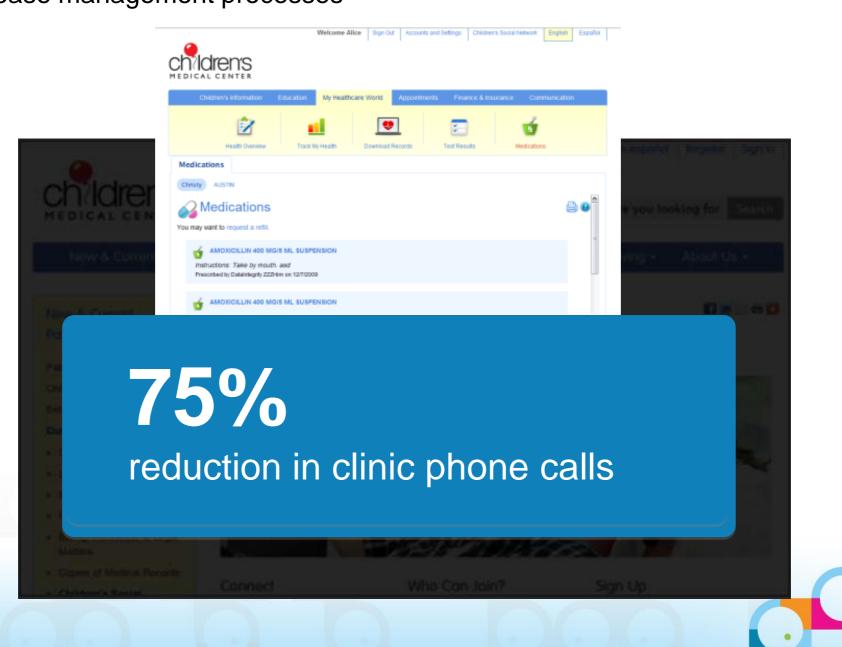


# **Children's Medical Center Dallas:** Leading by integrating social into patient care and disease management processes



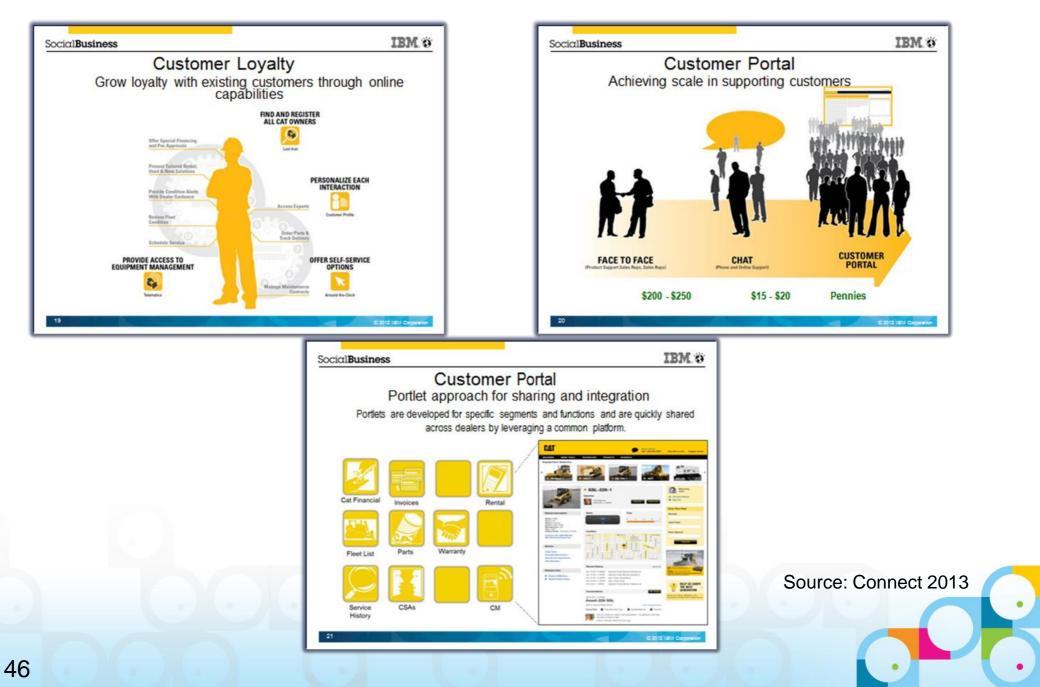


# **Children's Medical Center Dallas:** Leading by integrating social into patient care and disease management processes





### CAT: Higher touch service through the relationship





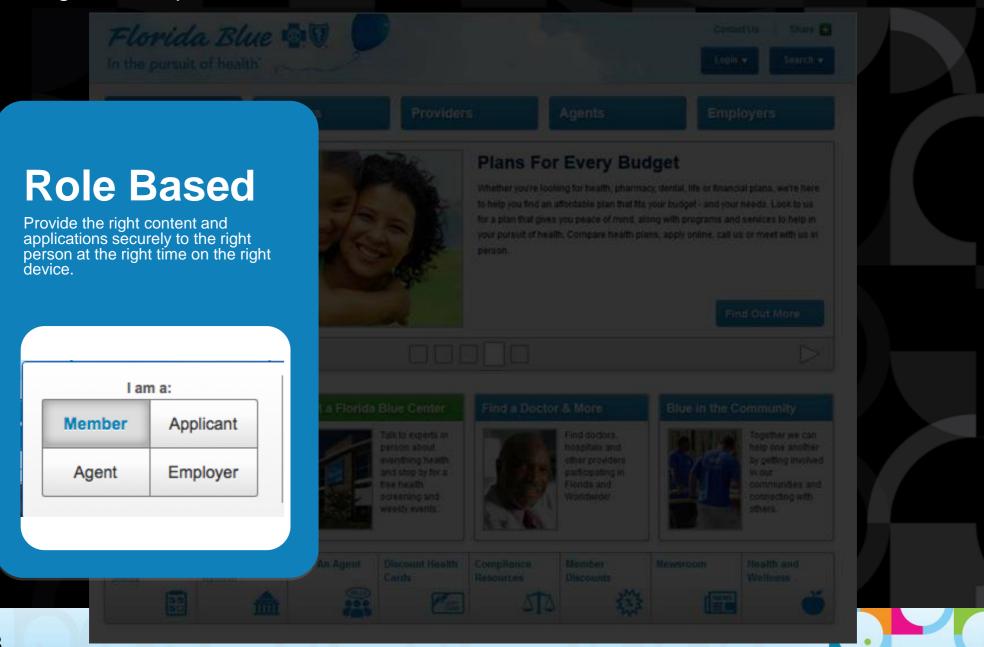
# Florida Blue: Increasing member satisfaction and revenue using a single social portal



•



# Florida Blue: Increasing member satisfaction and revenue using a single social portal





# Florida Blue: Increasing member satisfaction and revenue using a single social portal





# Florida Blue: Increasing member satisfaction and revenue using a single social portal

#### 13% of all traffic is now done via mobile devices. Personalized content based on GPS -Find **Role Based** nearest Doctor. 85% Provide the right content and conversion rate when consumer has applications securely to the right person at the right time on the right used web tools device. Florida Blue 💁 🗑 FIND A DOCTOR Shop Our Plans https://mobile.bcbsfl.com' I am a: Would Like To Use Your See just how **Current Location** affordable plans. Don't Allow Member Applicant can be - health, pharmacy, dental, Outside of Florida? life, financial Employer Agent plans and more!

 $\cap$ 



### Why Portal? Why now?

- User friendly interface and applications
  - Higher customer satisfaction and increased revenue
- Mobile themes out of the box
  - Appeal to growing mobile demand increasing user satisfaction and potentially revenue
- Reusable portlets
  - Development cost savings
- Virtual portal infrastructure
  - Streamlined processes, reduced administration/development costs
- Portal infrastructure scalability
  - Cost savings in terms of new products and lines of business leading to shorter time to market





### What's Next?

- Understand Use Cases
- CICS application assessment with our IBM Advanced Tech Sales team
- Portal Proof of Technology
- Business Value Assessment

# The IBM Collaborations Solutions team on System z team is here to help you empower your end users!



### Social on System z Team

### **Eric Hurley**

zICS Sales Lead ehurley@us.ibm.com 770-863-1450



Eric Selcov zICS Sales Lead eric selcov@us.ibm.com 720-342-2335



#### Dexter Doyle zICS TSS doylejd@us.ibm.com

917-554-9233



#### Chris Ganim zICS TSS cganim@us.ibm.com 720-342-9008







Please remember this simple statement...

# Social alone won't make your business *successful*.

# It's what you do with it that will.



