

### Session 11732 The Many Faces of the Mainframe: Yesterday, Today, and Tomorrow

**Roundtable Discussion** 

Linda Jorgensen, System z User Experience IBM Poughkeepsie, NY Ijorgen@us.ibm.com

SHARE Session 11732 August 7, 2012

IBM Systems & Technology Group

Geoffrey Smith, z/OS Information Strategy IBM Poughkeepsie, NY gksmith@us.ibm.com

© 2012 IBM Corporation

11000	-	printer in a	-
Statement of the	-	and the second second	
	Concerning Street, Str	-	

#### **Trademarks**

The following are trademarks of the International Business Machines Corporation in the United States and/or other countries.

IBM\* System z z/OS\*

\* Registered trademarks of IBM Corporation

#### The following are trademarks or registered trademarks of other companies.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both. Java and all Java-related trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc., in the United States and other countries. Microsoft, Windows is a registered trademarks of Microsoft Corporation. All other products may be trademarks or registered trademarks of their respective companies.

#### Notes:

This publication was produced in the United States. IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. Consult your local IBM business contact for information on the product or services available in your area. All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. Information about non-IBM products is obtained from the manufacturers of those products or their published announcements. IBM has not tested those products and cannot confirm the performance, compatibility, or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products. Prices subject to change without notice. Contact your IBM representative or Business Partner for the most current pricing in your geography.

ALC: NO	-	printer of	
	-		
-	The state of the s	Contraction of the local division of the loc	-
-		-	_

#### Agenda

- A brief history of the many faces of the mainframe
- A conversation about the strengths and weaknesses of various types of interface
- What about mobile devices like the iPhone or Android?





### History of the z/OS UI

#### First there was Batch (1945-1968)

- > A user would submit a program on a series of punch cards,
- > the computer would run the program at some scheduled time
- results would be picked up hours or even days later

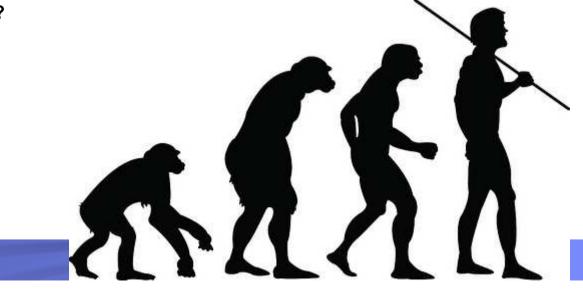
#### Then came the Command-line (1969-1983)

 Users enter commands on a text-based terminal in real-time called Time Sharing Options or TSO, an interactive command line interpreter

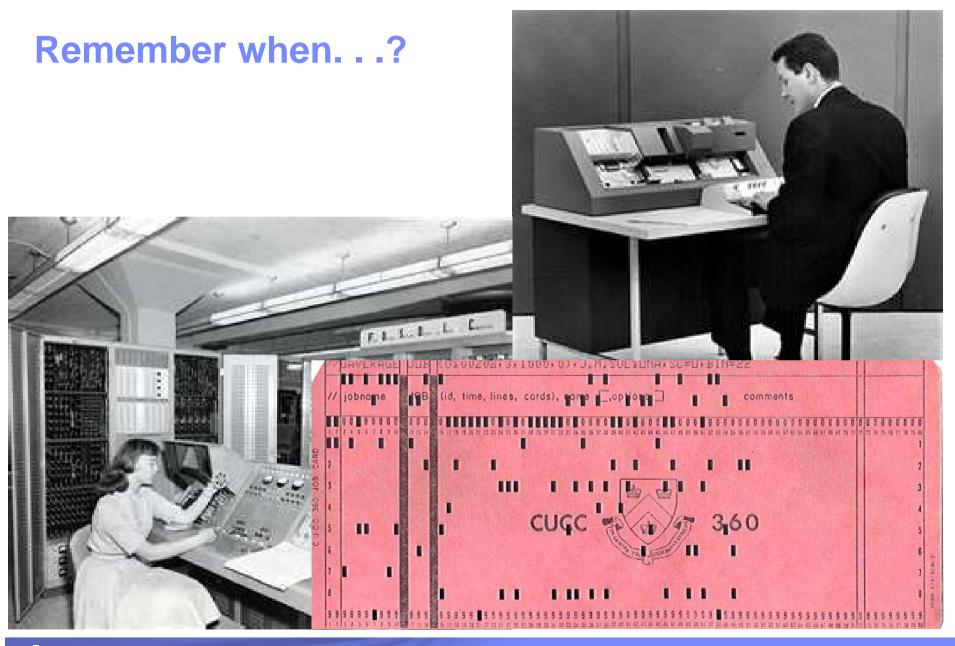
#### And on to the Graphical UI (1984 and after)

- Menu-based
- Interactive Systems Productivity Facility or ISPF: a menu-based application for building software that runs under z/OS

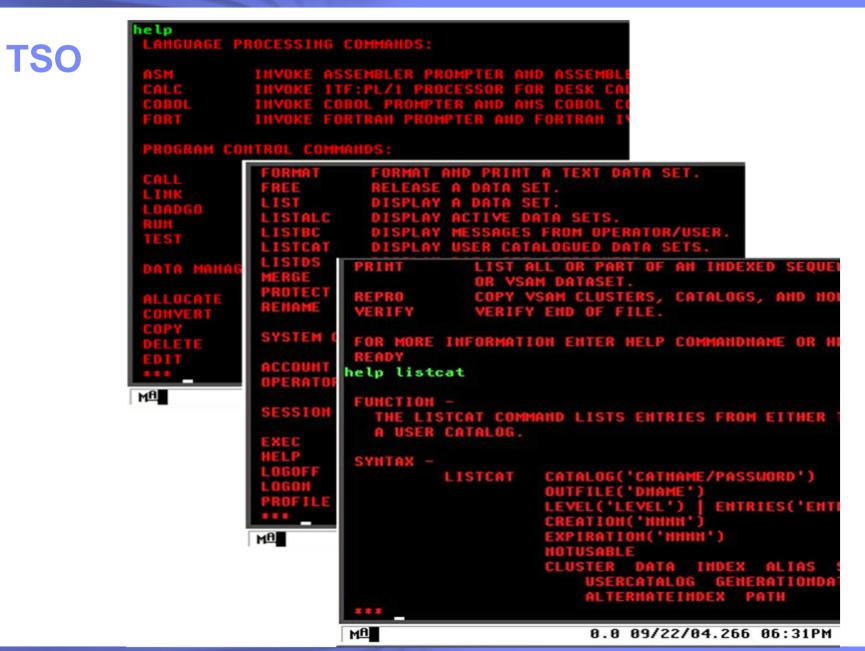








the second	-	printer in a	-
		-	
	-	-	
-	Press of the local division of the	and a second	-
-	-	-	_



© 2012 IBM Corporation

the second	-	
Second Second	-	Statement Street,
	and the second s	A Real Property lies and the

### **ISPF**

lenu Functions	Lonrirm _	otitities	Help		
IST	ISP.SISPGU	I		Row 00005 of 00007 Scroll ===> 0005	
Name 15PGUINX 15PGUIOX 15PGUISX **End**	Prompt	Size	Created	Changed ID es <u>Compilers Options Status Help</u>	
			lption ===>	ISPF Primary Option Menu	Connecte
		6	1.1 Annual State and Annual State of	Terminal and user parameters	< Calendar >
		1	View	Display source data or listings	December 2006
		2		Create or change source data	Su Mo Tu We Th Fr Sa
				Perform utility functions	1 2
		6		Interactive language processing	3 4 5 6 7 8 9
		5		Submit job for language processing	10 11 12 13 14 15 16
		E	and the second se	Enter TSO or Workstation commands	17 18 19 20 21 22 23
			Dialog Test	Perform dialog testing	24 25 26 27 28 29 30
			Job Submit	HMSR tape job submission	31
			I UNVOICE	Browse, edit, and utilities	Time
				System Display & Search Facility	Day of year, : 352
			CA-1 TMS	CA-1 Tape Management System R52	
			Workplace Enter X to	ISPF Object/Action Workplace Terminate using log/list defaults	

© 2012 IBM Corporation

#### TBM

# z/OSMF



 -		-
1.26		
_		-
1000	1.1	

# z/OSMF

IBM z/OS Management Facility	Welcome debug1	Log out	IBM
Welcome Configuration Links	Welcome S Workload Man. S Workload Management		Help
<ul> <li>Performance</li> <li>Capacity Provisioning</li> <li>Resource Monitoring</li> <li>System Status</li> <li>Workload Management</li> <li>Problem Determination</li> <li>Software</li> <li>z/OS Classic Interfaces</li> <li>z/OSMF Administration</li> <li>Refresh</li> </ul>	Overview       Service Policies for Sysplex       Service Definitions         Use this task to manage z/OS Workload Manager (WLM) service definitions. To get started, select one of the following at Manage         Manage         Service Definitions       Define, modify, view, copy, import, export, print, or install a service definition.         Service Policies for Sysplex       Activate or view one of the service policies that is defined in the installed service definition.         Settings       Set preferences for messages, service definition history, couple data set, and sysplex. Verify the settings before you start working.		
	View WLM Status View the status of WLM on each system in the sysplex. View details about the installed service of service policy.	definition and the acti	ve

A Descent Print	-	And in case of the	1
	22		
	_		-
	1000	1000	
	-		

### System z + QR Code + Mobile Device





QR Code Label on Machine



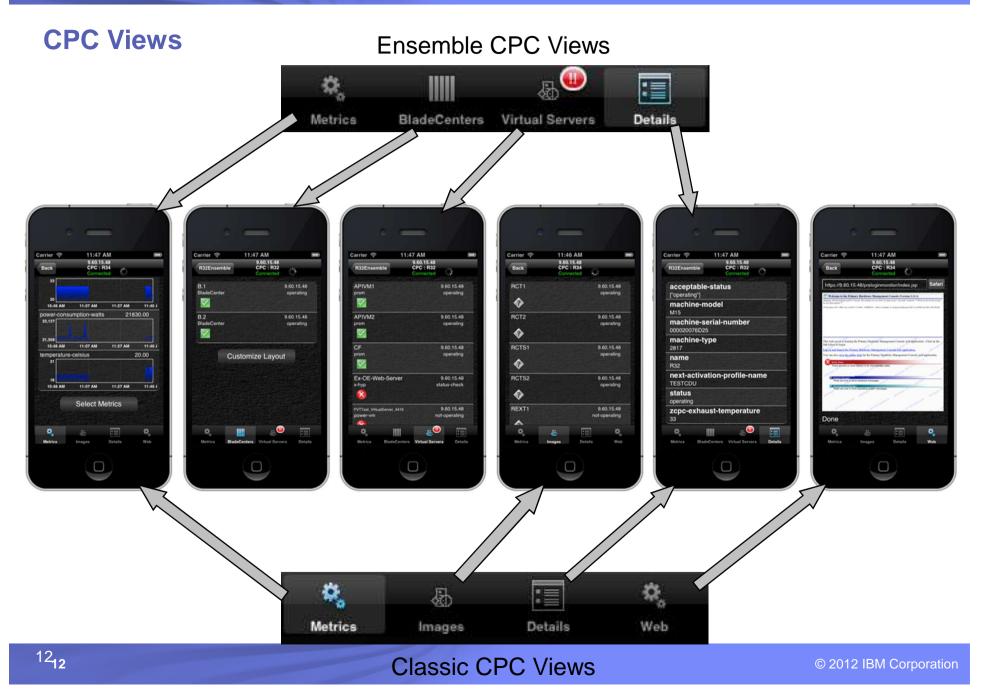
App: Scans QR barcode label on System z machine with camera Allows person on the IT floor to grab just a subset of information about the machine.

Quick path to customer definable body of information that is appropriate for the user.



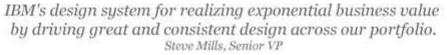


a de la casa	-	
And in case of the local division of the loc	-	Concession of Streems
	and the second s	And a state of the
		-



the second	-		
100	200		
	_		-
	1000	1000	
and in the	-	-	-

#### IBM One UI





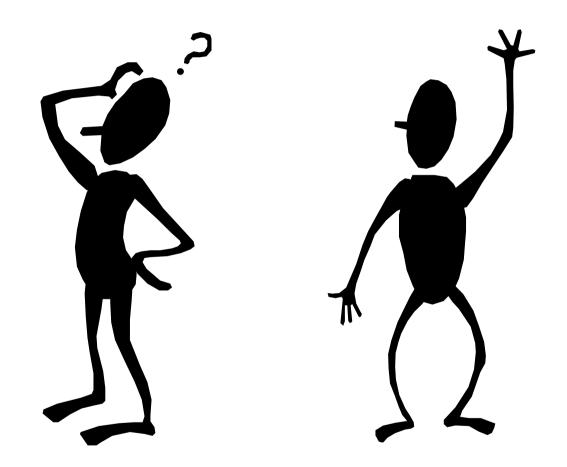


# **Discussion points**

- How important is a mobile option for z?
- What is your favorite/best UI? What is it that you like about it?
- What security concerns are most important to you?
- What types of monitoring and management tasks would you like to be able to perform using a mobile device?
- Would you like tasks specifically designed for a particular device (i.e., iPhone, Android, or tablet) or do we need to replicate the HMC or full screen interfaces?
- Ability to set up customized text alerts from the mainframe?
- Analog vs digital display?
- How important is it to be able to customize what info you are getting?
- Would you prefer a single app for a single task or an app for a suite of tasks?
- What security concerns are most important to you?

Course of the local division of the local di	-	plants, Pages
-	-	Concerning Street, or
		-
	-	Contraction of the
1. Alig	Sun Street	the second second
1000 S	and the second s	

#### **Questions or Comments?**









lerci French



Brazilian Portuguese





German



Russian



Italian