Session 9705
Roundtable Discussion: *Shaping the Future of Mainframe Professionals*

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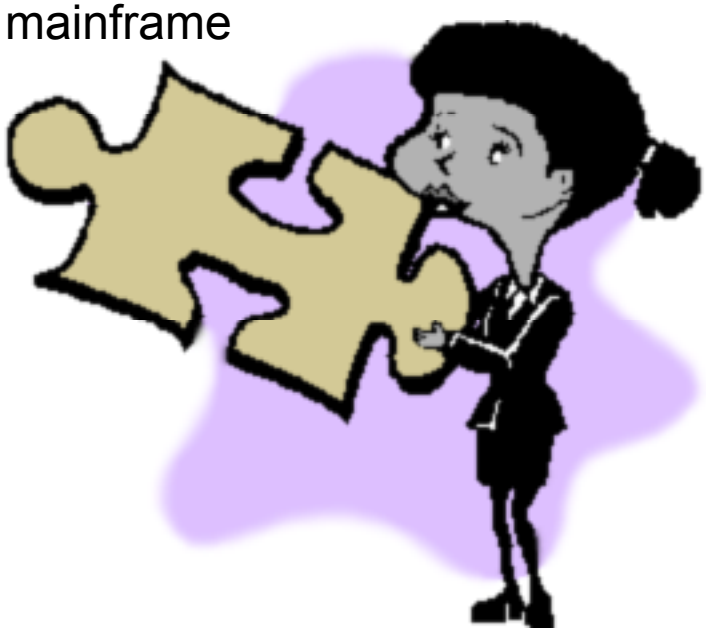
Agenda

- Mainframe Simplification Initiative
- Your Input Driving Simplification
- Meet Casey: z/OS Senior System Programmer
- Meet Alice: z/OS Junior System Programmer
- Your Continued Input Driving Simplification
- Questions
- Comments?

Mainframe Simplification Initiative

- An IBM key initiative to simplify and modernize the mainframe for today's and tomorrow's Information Technology professionals.
- Simplification strategy
  - Optimize System Programmer tasks so a mixed skilled workforce can maximize their productivity and quality.
  - Help System Programmers who are new to the mainframe become productive quickly.



Your Input Driving Simplification

- Gathered input from customers at SHARE to understand your user experience as z/OS System Programmers.
  - Experience level, responsibilities, skills, people you work with, and more.
- Data used to develop personas that represent existing and future z/OS System Programmers.
  - Alice, Casey, and Zach
- Personas are used to drive our simplification solutions, by giving our System z design and development teams a better understanding of our end users' goals and behavior patterns.
  - When designers are grounded in their own design, they risk designing an interface that only they can use.
  - Personas help our design teams make a smooth transition between requirements and design

Meet Casey: z/OS System Programmer

Casey
Sr. System Programmer

- Education: B.S. in Mathematics, minor in music, from ABC University
- Experience: 3 - 5 years as System Programmer, 3 years as Operator
- Team leader to 3 other experienced System Programmers, 1 junior System Programmer
- Will replace Zach, Sr. System Programmer, when he retires
- Responsibilities include:
  - Runs JK Enterprise's mainframe IT environment
  - Maintains z/OS systems
  - Problem determination
  - Deployment (Planning for Installation, Ordering, Testing, Put into production)
  - Configuration tasks
  - Documents processes and procedures
  - Mentors new people and understands how to utilize their current skill set to develop their mainframe skills

Meet Alice: Junior z/OS System Programmer

Alice
Jr. System Programmer

- Education: B.S. in Information Technology
- Experience: 1 year in current position at JK Enterprises
- Works with mentor, Zach, an experienced senior System Programmer, and extended team.
- Responsibilities include:
  - A subset of planning, ordering, testing and problem determination tasks performed at JK Enterprise's mainframe IT environment
  - Subset varies depending on size of shop

What Can We Add to These Personas?

- What do you think their goals are?
- Can we create a story about how Casey's or Alice's day might go?
- What kind of environment does she work in? (Can she focus on one task at a time, or are there interruptions?)
- What kinds of information will she need at what points in a day?

Your Continued Input Driving Simplification

- To date, our simplification efforts have focused on your user experience, primarily with z/OS system programming.
- As System Programmers, we want to understand your role working with others; such as an Operators, Hardware Engineers, Network Administrators, and other System Programmers.
- Understanding how your roles may have changed will allow us to focus on the correct simplification solutions and to update our personas.

Questions

- What barriers or challenges might you be experiencing in your roles today?
- Who in your shop uses the System z Hardware Management Console (HMC)?
- How often do you use the HMC?
- How much overlap in your roles is there working with System z hardware and HMC functions?
  - Some overlap may exist for: Workload Management, Capacity Planning, Storage and I/O Configuration.
- How can we improve your user experience working with the HMC?
- Have you used z/OSMF?
- Does having a web-based interface into z/OS help Casey, Alice or Zach?

Hybrid Environment Scenario

- Your company has purchased a new zEnterprise to use for a workload which runs across Power VM and z/OS and you plan to use the Unified Resource Manager (zManager) for the platform performance management functions. The Hardware Management Console is the interface to the functions in the zEnterprise.
  - How do you see your roles changing with the HMC, as the only interface to the zManager?
  - What benefits or challenges do you see in using the HMC's zManager function?
  - How do you see roles changing with the introduction of the hybrid elements of the zEnterprise?
    - For example, if adding a Power blade, who is likely to add it to your environment?
  - What benefits or challenges do you see with moving to a hybrid environment?
  - How do you see yourself using the zManager function of the HMC?
  - Who, in addition to Casey and Zach, will have a role in working with the zEnterprise?
  - Are we succeeding with simplification with the changing technology?

zEnterprise

- zEnterprise optimizes workload deployment using a fully virtualized environment unified across 3 architectures (z, Power and x-86) and the following operating systems: z/OS, AIX, z/VM, Power VM, Linux.
- Extends platform management consistently across all supported hypervisor environments.
  - Management of hardware, firmware, and virtualization environments.
- Introduces zEnterprise ensemble as scope of platform management.
- Positions HMC as platform management console for the ensemble.
- Introduces goal-oriented platform resource management based on workload objectives.
- Unified Resource Manager, enables you to create an ensemble.

Roles for Managing a zEnterprise

- zEnterprise introduces a number of new roles, resources and tasks in the HMC
  - To help isolate tasks across their unique management disciplines
  - Flexible to customize based on you or your customer's shop
- Added two new default users EnsOperator and EnsAdmin
- Allows you to create your own custom roles
- Allows you to customize based on user, resource, or task
- All provided within the HMC's User Profiles and Customize User Controls tasks

New Roles for zEnterprise

Role	Description
Ensemble Admin	Responsible for creating and managing the zEnterprise ensemble. Create Ensemble, Add Member.
Virtual Network Admin	Responsible for Managing Virtual Networks, Hosts, and MAC Prefixes. Manage Virtual Networks, Add Hosts to Virtual Networks, Create VLAN IDs.
Virtual Server Admin	Responsible for managing virtual servers. Create /Modify Virtual Server, Add Virtual Disk, Migrate.
Virtual Server Operator	Responsible for performing and scheduling virtual server activation/deactivation, mounting virtual media. Activate, Deactivate, Mount Virtual Media, Console Session.
Storage Resource Admin	Responsible for managing storage resources – Storage Access Lists (SAL), WWPNs, z/VM Storage, Groups, Export WWPN, Import SAL, Add Storage Resources.
Workload Admin	Responsible for managing workloads. Create /Modify workload. Add / Remove Virtual Servers.
Performance Mgt Admin	Responsible for managing performance policies. Create /Modify Performance Policy, Import Policy.
Performance Mgt Operator	Responsible for performing and scheduling policy activations and creating threshold notifications. Activate, Export Policy, Monitor System Events.
Energy Mgt Admin	Responsible for managing power settings including power capping & power savings modes. Set Power Cap, Set Power Savings Mode, Set zBX Power Policy.

Mainframe Simplification Presentations at SHARE

- 9804 - *What's New in z/OSMF 1.13*, Tues 9:30 am
- 9708 - *Shaping the Future of IBM Documentation Delivery and Management*, Tues 6:00 pm
- 9737 - *z/OSMF User Experience*, Wed 3:00 pm
- *9715 - Roundtable: You Talk We Listen: How Today's User Experience is Improving on Tomorrow*, Wed 6:00 PM
- *9736 - z/OSMF Roundtable Discussion*, Wed 6:00 PM
- *9735 – z/OSMF Hands-On Lab*, Thurs 11:00 am

Comments?