



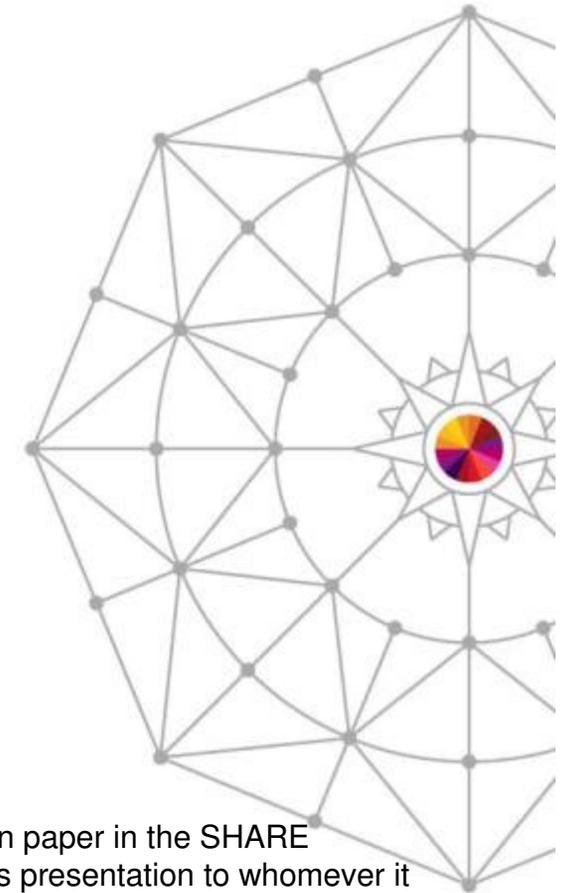
Back to the Basics: ServerPac 101

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IBM Poughkeepsie
z/OS System Installation

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Back to the Basics: ServerPac 101 Agenda

- Introduction to ServerPac
- Planning for ServerPac
- Preparing for ServerPac
- Installing ServerPac
- IPLing your target system
- Post-install work from target system
- Saving your ServerPac configuration

Agenda

- ➔ Introduction to ServerPac
 - What is ServerPac?
 - ServerPac Installation Overview
 - ServerPac Internet Delivery
 - ServerPac Documentation



What is ServerPac?

- ServerPac is an entitled system-replace and product-replace deliverable (CBPDO is an entitled product-replace deliverable)
- Supports the z/OS® environment and products by system/subsystem type
 - z/OS or subsystems (WebSphere®, DB2®, CICS®, IMS™, NCP)
- Ordered using ShopzSeries
 - Product Catalog refreshed monthly
- Provides DLIBs, Target Libs, and all SMP/E Libs
 - SMP/E zones are not merged with existing zones during installation
- Includes integrated service:
 - Latest monthly RSU is APPLYd and ACCEPTed
 - HIPER and PRP service in APPLYd status up to day of your order is built
 - Un-integrated service and PTFs only APPLYd, are in RECEIVED status
- Provides the ServerPac Installation Dialog used for installation
- Delivered over the Internet (recommended!) or on tape or DVD
 - Choose Internet or, if you must use physical delivery, then choose the highest density tape media your environment can support.





Did you know about Product ServerPac?

- Started October 15, 2012 in Shopz (and enhanced in z/OS V2R1)
- You can order many z/OS, DB2, IMS*, NCP*, or CICS* program products withOUT also ordering z/OS, DB2, IMS*, NCP*, or CICS*.
 - If a product requires a base product for installation, then you still need to have that product in your order, however.
 - Other requisites will be shown, and bypassable, if you already have them installed on your system.
 - Eligible products will have a **triangle icon** in the product catalog.

** Enhancements concurrent with z/OS V2.1 GA*

- As of z/OS V2R1, Product ServerPac is designed to allow you to use an existing GLOBAL zone for installation. Still, however, it will not merge the shipped SMP/E zones (or data sets) with your existing target or dlib zones (or data sets).
 - *Therefore, order products in a Product ServerPac that you would install and migrate together in a “product set”.*
 - The value is for installing a product set that you would otherwise build up product by product.
- No cross-SREL product support for Product ServerPac.

Product ServerPac in Shopz



Shopz > My current order >

Step 5 of 8 Specify order contents

Products - 2013-07-08 21.50.37

Products in order: 4 ← Add products

⚠ Your order contains bypassable requisites.

↻ Refresh order contents

MVS: Websphere Application Server

Select	Product	Description	Version	Language	Notes
<input checked="" type="checkbox"/>	▲●◆ [5655-N02]	WebSphere for z/OS - DVD [FMIDs]	7.00.00	English (US)	
The above product has a bypassable requisite for one of the following products:					
<input type="checkbox"/>	△○◆ [5694-A01]	z/OS V1 Alternate Base [FMIDs]	1.13.00	English (US)	
<input type="checkbox"/>	△●◆ [5694-A01]	z/OS V1 Base [FMIDs]	1.13.00	English (US)	
<input checked="" type="checkbox"/>	▲●◆ [5655-W09]	WebSphere ESB for z/OS V7 [FMIDs]	7.05.01	English (US)	
The above product has a bypassable requisite for one of the following products:					
<input type="checkbox"/>	△●◆ [5694-A01]	z/OS V1 Base [FMIDs]	1.13.00	English (US)	
<input type="checkbox"/>	△○◆ [5694-A01]	z/OS V1 Alternate Base [FMIDs]	1.13.00	English (US)	
<input checked="" type="checkbox"/>	▲○◆ [5655-W11]	WebSphere Business Monitor [FMIDs]	7.05.00	Multilingual	
The above product has a bypassable requisite for one of the following products:					
<input type="checkbox"/>	△●◆ [5694-A01]	z/OS V1 Base [FMIDs]	1.13.00	Chinese (Simplified)	
<input type="checkbox"/>	△●◆ [5694-A01]	z/OS V1 Base [FMIDs]	1.13.00	Chinese (Traditional)	
<input type="checkbox"/>	△●◆ [5694-A01]	z/OS V1 Base	1.13.00	Danish	

Fast access to Shopz

Welcome
Marna L. Walle

Current group
4600326 - IBM

→ Sign out

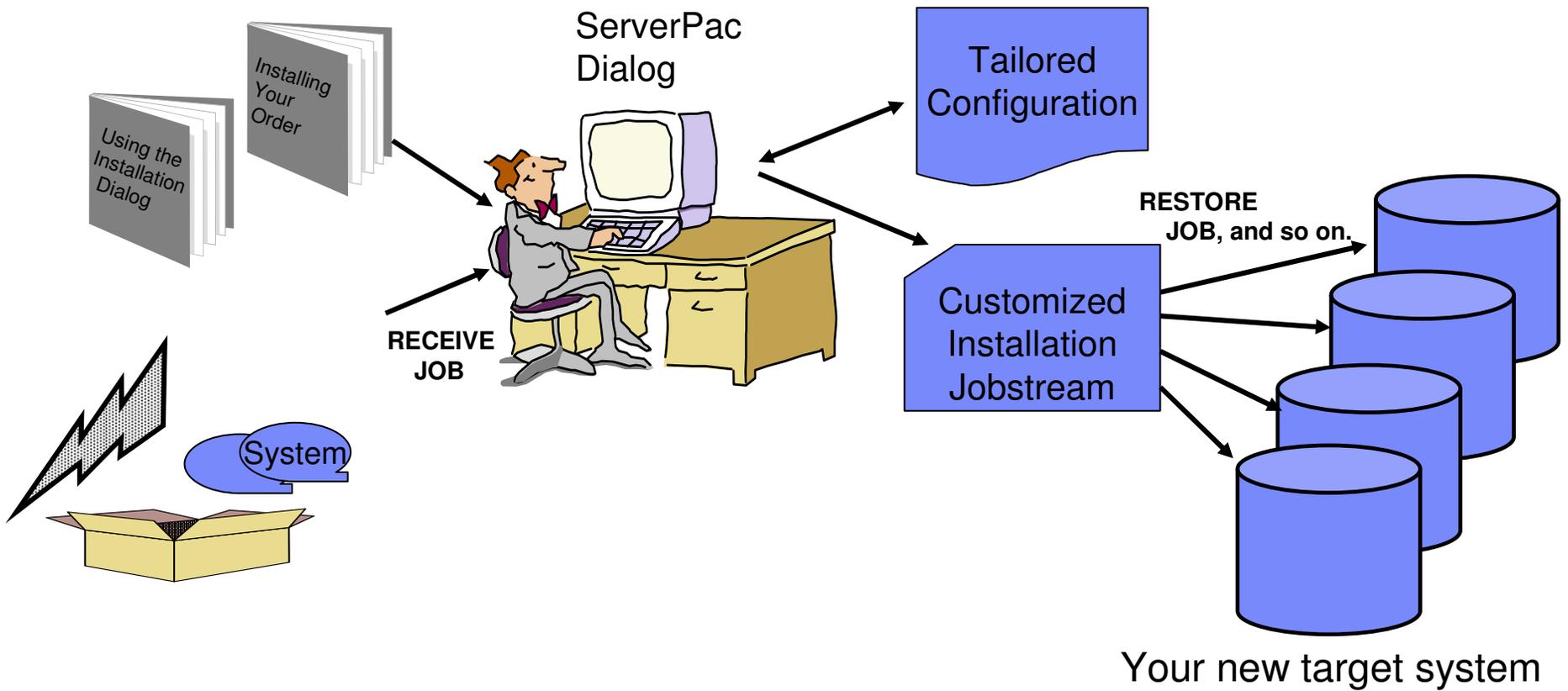
→ Edit profile

Tip

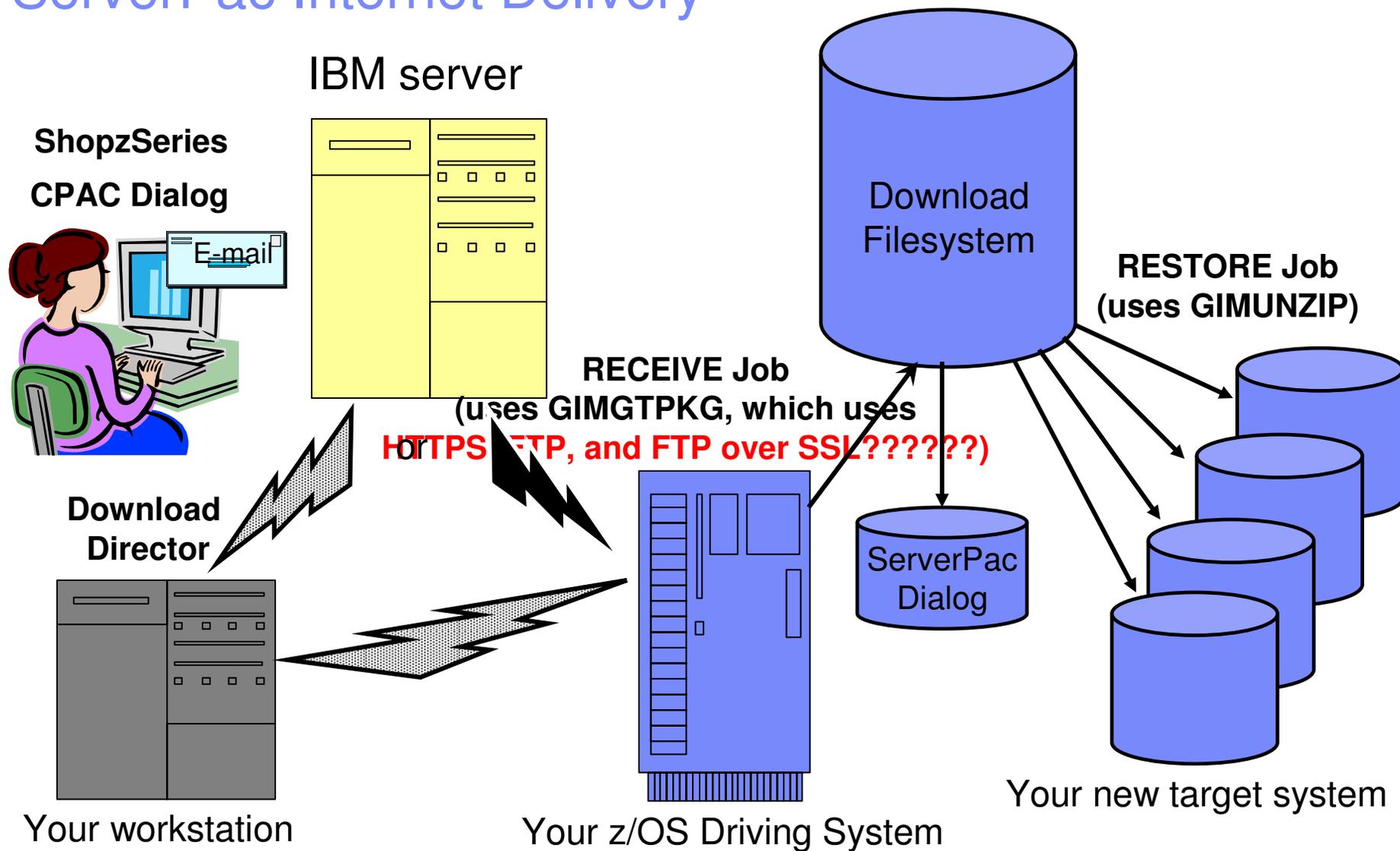
→ [View a legend for this page.](#)

Triangle: eligible for Product ServerPac
 Circle: License status on system
 Diamond: Internet deliverability

ServerPac Installation Overview

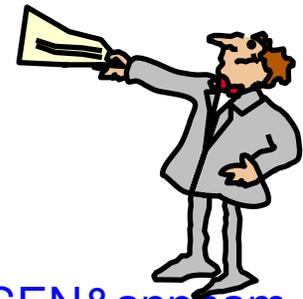


ServerPac Internet Delivery



ServerPac Documentation

- *ServerPac: Using the Installation Dialog*
 - Publication SA22-7815
 - Getting Started, Hints and Tips, Descriptions of Dialog Functions
- *ServerPac: Installing your Order*
 - Customized per order
 - Products Ordered, Installation Job Checklist, Post-install Customization, General Product Information, Variables Description/Worksheet, Package Reports
 - Supplied with your order in PDF format
- ServerPac FAQs
 - http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=SA&subtype=ST&htmlfid=ZSQ03038USEN&appname=STG_ZS_USEN_FQ



Agenda

- ➔ ■ Planning for ServerPac
 - Dialog Tailoring Options
 - System-Specific Alias
 - ServerPac SMP/E Zone Structure for z/OS
 - Usual Reading for Installing a ServerPac



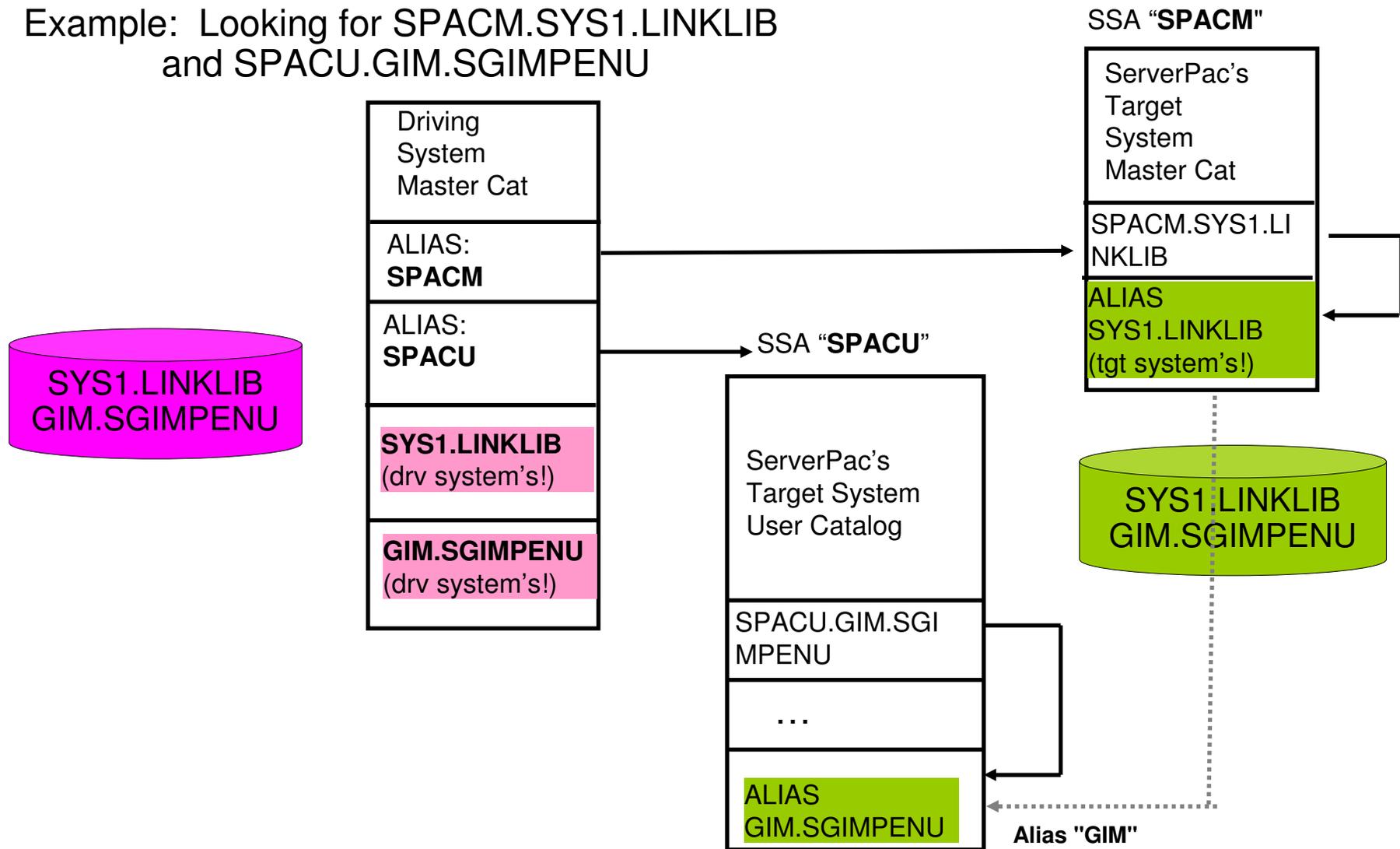
Dialog Tailoring Options

- **ServerPac's dialog provides the capability to tailor your ServerPac configuration to your environment**
 - Global Variables - asmlbr, jobcard, drvsys data, and so on.
 - Volumes - names, device type, number
 - Data Sets - names, placement on volume, space
 - Catalogs - names, System Specific Aliases (SSAs)
 - Aliases - associate to catalog
 - Zones – names
- **Installation Jobs are generated based on tailored configuration**
 - Jobs can be edited before submission
 - Jobs are categorized by
 - Installation jobs
 - Post-installation - From driving system
 - Pre-IPL jobs and actions
 - IPL your new target system
 - Post-installation - From target system
 - Installation verification
 - Completing the installation



System-Specific Aliases

Example: Looking for SPACM.SYS1.LINKLIB and SPACU.GIM.SGIMPENU



ServerPac SMP/E Zone Structure for z/OS

- **A z/OS ServerPac contains at least eight SMP/E zones (in addition to GLOBAL):**
 1. z/OS and all additionally ordered products that can reside in the same zone (in the MVSD100 and MVST100 zones).
 2. JES2 (in the MVSD110 and MVST110 zones).
 3. JES3 (in the MVSD111 and MVST111 zones).
 4. SDSF (in the MVSD112 and MVST112 zones).
- All DLIB and target zones names are customizable.
- All DLIB zones for each SREL are physically defined in the same DLIB CSI data set. All target zones for each SREL are physically defined in the same target CSI data set.
- JES2, JES3, and SDSF zones may be merged into the z/OS zone.
- JES2 or JES3 may be removed.
- **As of z/OS R12:**
 - The ServerPac installation dialog allows SDSF and JES SMP/E zones to be merged, without having to merge either into the z/OS BCP zone.
 - The Zones option in the dialog has been enhanced to propagate the zone names into the SMP/E CSI data set names in Modify System Layout.



Planning for ServerPac – Usual Reading

- Review the *z/OS Planning for Installation* book for z/OS installs:
 - New and changed elements
 - Driving and target system requirements
 - DASD space estimates
 - Recommended system layout
 - Installation checklist

- Review the *z/OS Migration* book when using ServerPac to upgrade z/OS:
 - Migration considerations
 - Migration action for ServerPac at Oct 2013, for dialog upgrade.
 - Toleration/coexistence PTFs



Agenda

- ➔ ■ Preparing for ServerPac
 - Activities for Preparing
 - Getting Started with the Dialog
 - Knowing what you're going to use in the Dialog



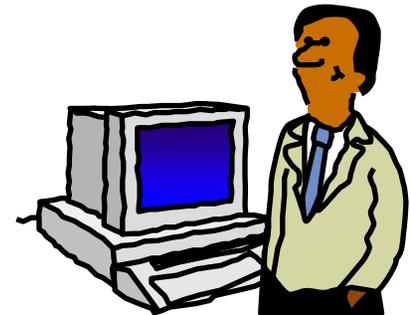
Preparing for ServerPac Activities

- Separate system replace volumes from other user volumes
 - Determine if non-delivered libraries still required
 - Non-IBM products
 - Customization
 - No longer marketed IBM products
 - Isolate non-delivered libraries utilizing:
 - Separate target libraries, SMP/E zones, DASD volumes
 - Use Concatenations, for example LPALSTxx, PROGxx or LNKLSTxx, PARMLIB
- Standardize data set names and placement
 - Review recommended system layout
- Satisfy driving system requirements (can use Customized Offerings Driver)
- Get DASD volumes for target system
- Get and review PSP buckets
 - Upgrade (ZOSV1Rnn) Subset (SERVERPAC)



Getting Started with the Dialog

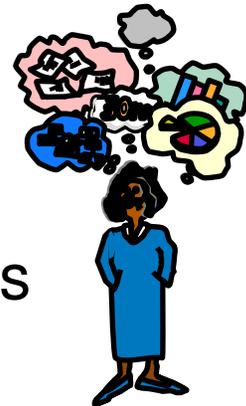
- **First set up the CustomPac (aka ServerPac) dialog on driving system**
 - Recommended to use a single dialog for all orders
- **Run job LOADRIM for a new CustomPac dialog (if you don't have it already)**
 - On download page for Internet orders
 - In DOCLIB on first system tape for physical orders
- **Determine method for invoking the dialog**
 - ISPF primary options panel
 - CPPCSAMP - ISPF CLIST using LIBDEFs
 - CPPCISPF - TSO CLIST
- **Recommend to have the CustomPac dialog accessible to target system**
 - some installation jobs must run on target system
 - easier if the dialog libraries are not SMS managed, and are in a user catalog



Preparing for Installation – Knowing what to use in the Dialogs

You'll be asked for this later on, think about it early:

- Decide which installation mode to use – Full System Replace or Software Upgrade
- Determine variable settings
- Decide whether to merge data sets, SMP/E zones
- Determine your data set layout
- Understand your data set naming convention
- Decide whether to use your existing Master Catalog



Agenda

- ➔ ■ Installing ServerPac
 - **RECEIVE** option
 - **INSTALL** option:
 - **C** Create
 - **V** Variables
 - **Z** Zones
 - **M** Modify
 - **A** Alias
 - **SSA** SSA
 - **I** Installation



```

Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- IBM Corporation ----- 26.10.22
OPTION ==> _

                                CustomPac Order Management Menu

R  RECEIVE      - Receive an Order
I  INSTALL      - Install an Order

Order Number ==>          (Leave blank to list uninstalled orders)

D  DISPLAY      - Select Orders to Display

Master dialog data set qualifiers: MVSBUILD.SRVRPAC

This dialog supports secure Internet delivery.

*****
* 5751-CS4, 5751-CS5, 5751-CS6, 5751-CS7 and 5751-CS9 *
* Copyright IBM Corp. 1988, 2013 *
*****

*CPPPPOL
MA  B
02/013
Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC192 and port
  
```

RECEIVE: ServerPac and ShopzSeries...

- **The following screen shots are what you'd see when you've ordered your ServerPac from ShopzSeries electronically.**
 - This example uses the “Store and Forward” download method...but you can easily use the “Direct to Host” method also!
 - The download methods (where the order resides) for the RECEIVE are:
 - **S for Server:** Server indicates that the ServerPac order is to be received from an FTP server.
 - **F for File System:** File System indicates that you used the “Store and Forward” download method (download to workstation) and then uploaded the order to the host outside the Dialog. The RECEIVE job generated by this option will retrieve the order directly from the File system and not attempt a download.
 - **T for Tape:** Tape indicates that the ServerPac order is to be received from tape.

- **DVD support, as of September 10, 2010:**
 - For DVD orders, you can choose either **F** or **S**. If you have set up an FTP server such that the source directory points to the workstation directory where the order is copied, choose **S**; otherwise, enter **F**.

RECEIVE: ServerPac and ShopzSeries...

Country/region [select]

Home Solutions Services Products Support & downloads My IBM

Welcome Mr. Mark Fyffe [Not you?] [IBM Sign in]

ShopzSeries

My orders

My orders

My profile

My hardware systems

My licensed software

My installed software

Product catalog

Help

News

Feedback

Customer service

Create new order Draft orders In process Completed

To review or process an order, click on its name. To track it, click on its status.

Refresh order status

In process orders

Select	Order reference number	Order name	Status
<input type="checkbox"/>	U00507272	Manet eServerPac - 83 Customer number: 4400326 IBM order number: 2005877808	Physical None Internet Download

Delete selected orders

My ShopzSeries

Welcome
Mark L. Wallis

Sign out

Edit profile

Print this page Print this page IBM bookmarks Copy this Save to desktop

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RECEIVE: ServerPac and ShopzSeries...

Country/region [select]

IBM®

Home Solutions ▾ Services ▾ Products ▾ Support & downloads ▾ My IBM ▾

Welcome Mr. Mark Fyffe [Not you?] [IBM Sign in]

ShopzSeries > My current order >

Download U00507272 - Marist eServerPac - R9

Download expires on 1 Jul 2008

Order Packing List
View the contents of your order (0.008 MB)

Preparing to Install your Order
View instructions for downloading your order

Installation Documentation
→ View or Download to your workstation

ServerPac Material (Host)
→ Download directly to host

ServerPac Material (Workstation)
→ Download to your workstation

Additional Publications
→ Download to your workstation using IBM Download Director
→ Download to your workstation using HTTPS

Product Publications
View or download unlicensed publications for your order

My ShopzSeries
Welcome Marna L. Walle
→ Sign out

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Clicked on this for next slide...

Example used for this presentation!

RECEIVE: ServerPac and ShopzSeries...Under Installation Documentation

The screenshot shows the IBM ShopzSeries website interface. At the top, there is a navigation bar with the IBM logo, a search bar, and a 'Country/region [select]' dropdown. Below this is a main navigation menu with links for Home, Solutions, Services, Products, Support & downloads, and My IBM. A user greeting 'Welcome Mr. Mark Fyffe [Not you?] [IBM Sign in]' is visible.

The main content area displays the breadcrumb 'ShopzSeries > My current order >' followed by the title 'Download U00507272 - Marist eServerPac - R9'. Below the title, it says 'Installation Documentation - View or Download to your workstation' and 'Download expires on 1 Jul 2008'. There are three main sections listed:

- Information Roadmap**
 - [View Installation document descriptions \(0.003 MB\)](#)
- z/OS Planning for Installation**
 - [View Now](#)
- ServerPac: Using the Installation Dialog**
 - [View Now](#)
- ServerPac: Installing Your Order**
 - [View Now \(2.0 MB\)](#)

A yellow arrow points from the text 'You'll need this book!' to the 'ServerPac: Installing Your Order' section. Below the list, there is a link: '← Return to main download page.'

On the left side, there is a vertical menu with links: ShopzSeries, My orders, My current order (with a sub-link 'Download'), My profile, My hardware systems, My licensed software, My installed software, Product catalog, Help, News, Feedback, and Customer service.

On the right side, there is a 'My ShopzSeries' box with 'Welcome Marna L. Walle', '→ Sign out', and '→ Edit profile'.

At the bottom of the page, there are social sharing options: 'E-mail this page', 'Print this page', 'IBM Bookmarks', 'Digg this', and 'Save to del.icio.us'. A footer contains links for 'About IBM', 'Privacy', 'Contact', 'Terms of use', and 'IBM Feeds'.

RECEIVE: ServerPac and ShopzSeries...

Country/region [select]

IBM® Search

Home Solutions ▾ Services ▾ Products ▾ Support & downloads ▾ My IBM ▾

Welcome Mr. Mark Fyffe [Not you?] [IBM Sign in]

ShopzSeries > My current order >

Download U00507272 - Marist eServerPac - R9

ServerPac Material (Workstation) - Download to your workstation

Download expires on 1 Jul 2008

Instructions for downloading to your workstation

- [View Now](#) (0.013 MB)

ServerPac Material

- [Download directly to your workstation](#) (5119 MB)

Required information for ServerPac Dialog

- [Information to be used for RECEIVE processing](#) (0.002 MB)

Dialog Option 1: Install a new ServerPac Dialog that supports Internet delivery

- [Install new Dialog using sample LOADRIM job](#) (0.016 MB)

Dialog Option 2: Migrate existing ServerPac Dialog to support Internet delivery, if not done previously

- [Migrate existing Dialog using sample EUPDATE job](#) (0.017 MB)

[← Return to main download page.](#)

My ShopzSeries

Welcome **Marna L. Walle**

[→ Sign out](#)

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RECEIVE: ServerPac and ShopzSeries...

- **At this point, first-time ServerPac users would run LOADRIM, to install a new set of ServerPac dialogs.**
 - After the dialogs are installed and invoked, you go to the RECEIVE step.

- **If you have existing dialogs that were at the proper level, we wouldn't need to install new dialogs, and could move right on to the RECEIVE step.**
 - *Remember the ServerPac dialogs must be at level 26.00.00 to install z/OS V2.1, and any ServerPac orders after October 1, 2013.*

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- IBM Corporation ----- 23.00.41
OPTION ==> R_

                CustomPac Order Management Menu

R  RECEIVE      - Receive an Order
I  INSTALL      - Install an Order

Order Number ==>          (Leave blank to list uninstalled orders)

D  DISPLAY      - Select Orders to Display

Master dialog data set qualifiers: MVSBUILD.SRVRPAC

                This dialog supports electronic delivery.

*****
* 5751-CS4, 5751-CS5, 5751-CS6, 5751-CS7 and 5751-CS9 *
* Copyright IBM Corp. 1988, 2010                       *
*****

MA a 02/014
Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC309 and port 2
```

Select:**F:** for “Store and Forward” (electronic, DVD)**S:** for “Direct to Host” (electronic, DVD)**T:** for tape orders (non-electronic, non-DVD)

Session B - [24 x 80]

File Edit View Communication Actions Window Help

```

CustomPac ----- Receive an Order -----
COMMAND ==>

Receive the order from ==> F      F - File system
                               S - Server
                               T - Tape

Order Number              ==> 0S191534

----- Order Dialog Data Set Allocation Information -----

Data Set Qualifiers      ==>  IBMUSER.SORDER          (Must be unique)

Volume Serial            ==>  VPMVSE          (Blank for SMS-managed data sets)
- or -
STORCLAS                 ==>                  (Blank for non-SMS-managed data sets)

Dialog CLIST Record Format ==>  FB          (FB or VB)

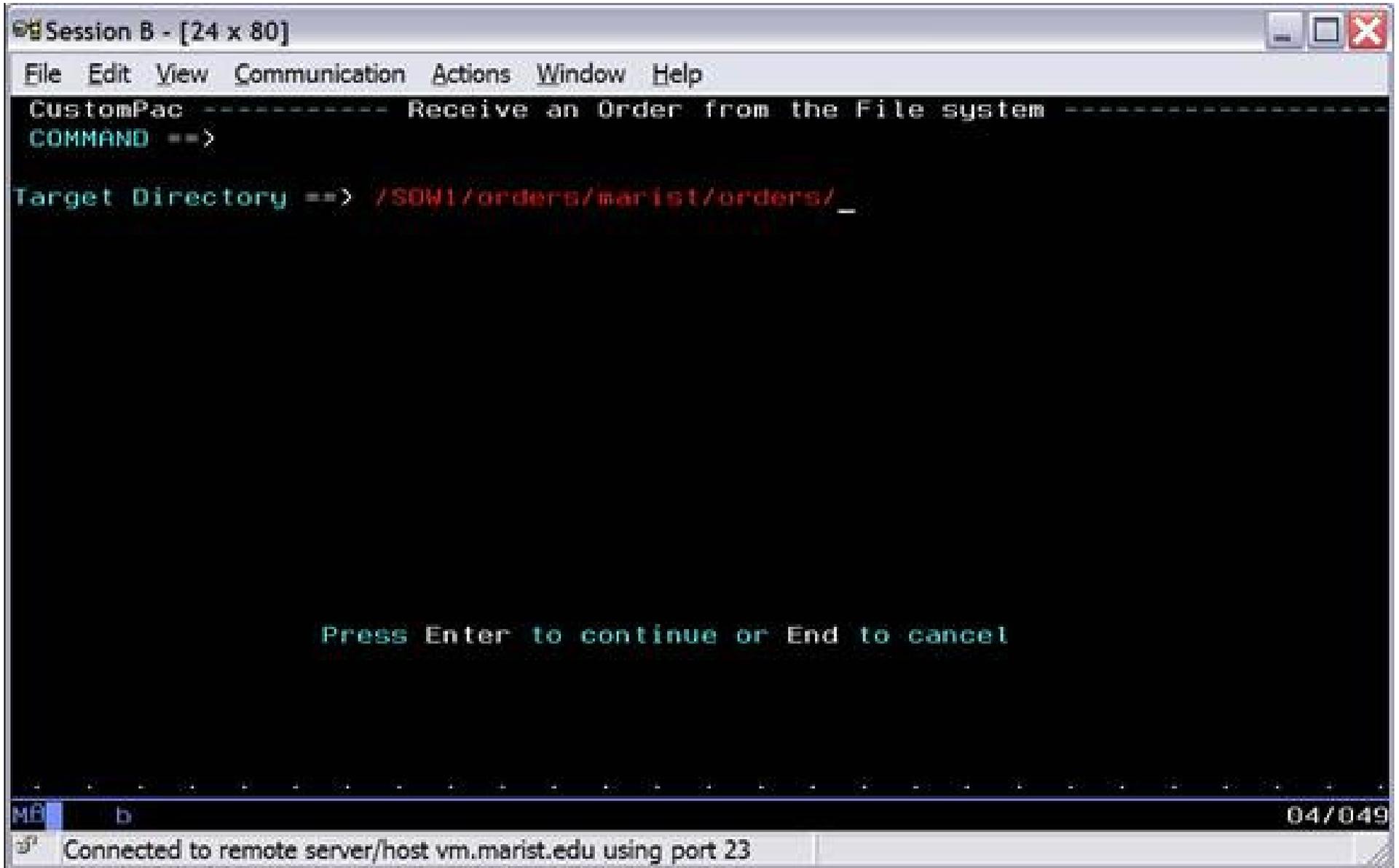
Press Enter to continue or End to cancel

```

MA b

04/033

Connected to remote server/host vm.marist.edu using port 23



```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Receive an Order from the File system -----
COMMAND ==>
Target Directory ==> /SOW1/orders/marist/orders/

Press Enter to continue or End to cancel

04/049
Connected to remote server/host vm.marist.edu using port 23
```

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac - OS191534 ----- COLUMNS 000 000
COMMAND ==> SCROLL ==> PAGE
***** Top of Data *****
000001 //JOBNAME JOB 'ACCOUNTING INFO', 'PROGRAMMER NAME',
000002 // CLASS=A,
000003 // MSGCLASS=H,
000004 // MSGLEVEL=(1,1),
000005 // NOTIFY=&SYSUID,
000006 // USER=&SYSUID,
000007 // TIME=NOLIMIT,
000008 // REGION=0M
000009 //*
000010 //* MODIFY THE JOB STATEMENT ABOVE AS REQUIRED FOR YOUR INSTALLATION'S
000011 //* REQUIREMENTS, AND PRESS END TO CONTINUE.
000012 //*
***** Bottom of Data *****
MB b 03/014
Connected to remote server/host vm.marist.edu using port 23
```

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac - OS191534 ----- Member SRECEIVE created
COMMAND ==> submit_ SCROLL ==> PAGE
***** ***** Top of Data *****
000001 //JOBNAME JOB 'ACCOUNTING INFO','PROGRAMMER NAME',
000002 // CLASS=A,
000003 // MSGCLASS=H,
000004 // MSGLEVEL=(1,1),
000005 // NOTIFY=&SYSUID,
000006 // USER=&SYSUID,
000007 // TIME=NOLIMIT,
000008 // REGION=0M
000009 //*
000010 //* MODIFY THE JOB STATEMENT ABOVE AS REQUIRED FOR YOUR INSTALLATION'S
000011 //* REQUIREMENTS, AND PRESS END TO CONTINUE.
000012 //*
000013 //*
000014 //* *****
000015 //* * THIS JCL WAS GENERATED BY SKELETON CPPS6101 *
000016 //* *****
000017 //*****
000018 //* Restart instructions:
000019 //* -----
000020 //* After determining the cause of the failure,
b
02/020
Connected to remote server/host vm.marist.edu using port 23
```

```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Installation Options for Order ( OS191534 ) -----
OPTION ==> _

Complete these options to install the order:

C      Create          Create the Work Configuration
V      Variables       Specify Values for Variables
Z      Zones           Specify SMP/E Zone Names
M      Modify          Modify the System Layout
A      Alias           Specify Catalogs for High-Level Qualifiers
SSA    SSA             Specify Temporary Aliases (SSAs) for Catalogs
I      Installation    Create and Submit Installation Jobs

You can use Save any time after creating the work configuration:

S      Save            Save the Current Work Configuration

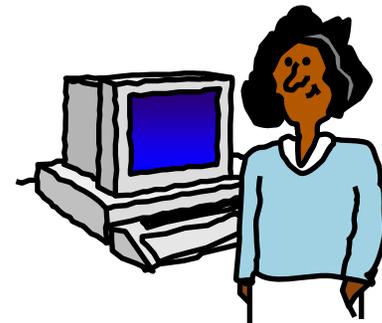
.....

MA  b  02/013
Connected to remote server/host vm.marist.edu using port 23
```

As you complete each option, the next option is available

“C”reate: ServerPac Configuration

- **First step is to create a working configuration**
 - Choose ***Full System Replace*** or ***Software Upgrade***
 - Choose JES and whether to merge JES, SDSF into z/OS zone
 - Create the work configuration
 - Three types of configurations
 - **Shipped** - shipped with each order
 - **Saved** - saved from a previous order
 - **Work** - working copy during install
 - Use merge configuration option to save time
 - Only if you have saved a previously installed an order
 - Review merge reports to resolve merge conflicts
- **As mentioned before...as of z/OS R12!**
 - The ServerPac installation dialog now allows SDSF and JES SMP/E zones to be merged, without having to merge either into the z/OS BCP zone.



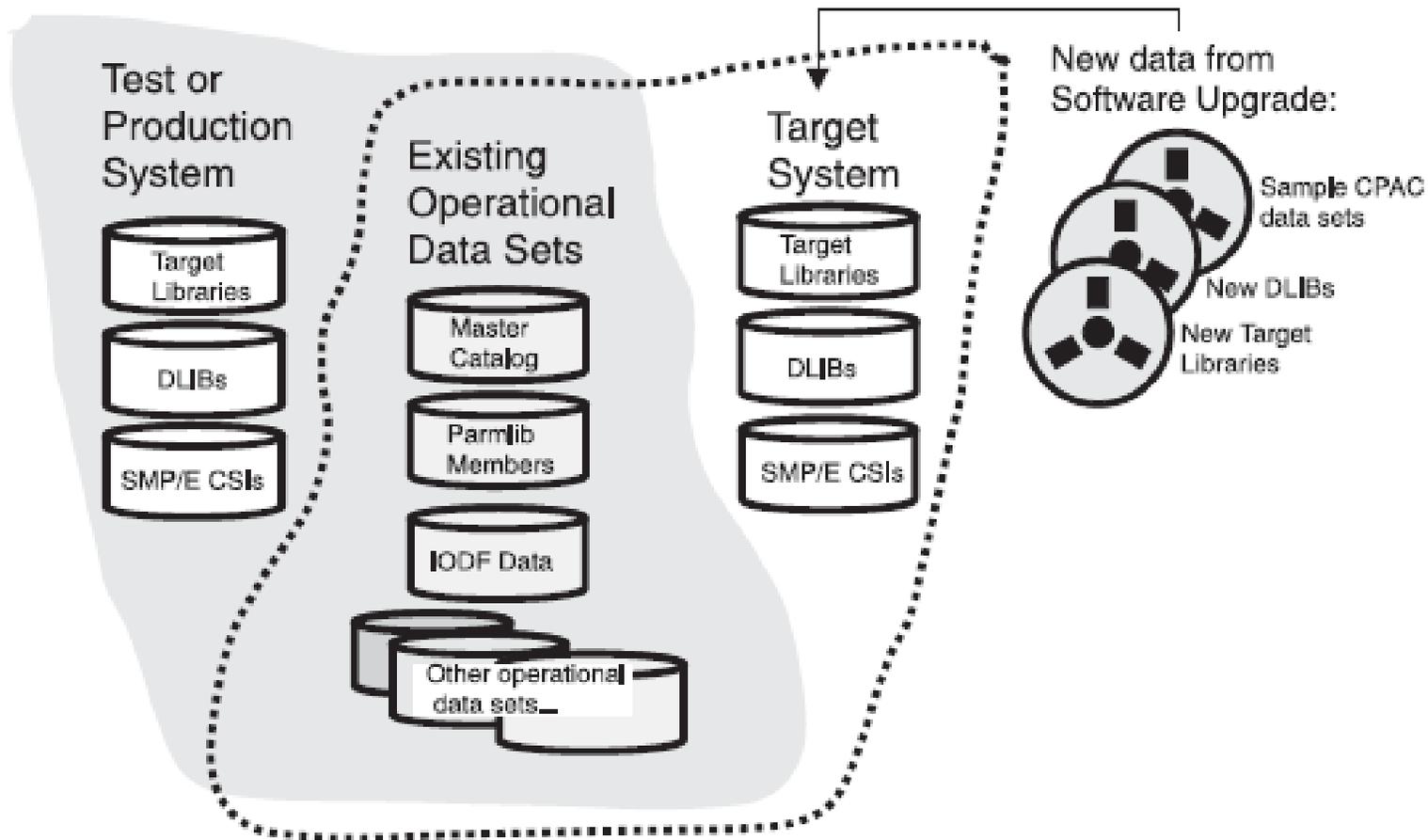
“C”reate: ServerPac System Replacement Offering



- There are two types of ServerPac installation are available to install z/OS
 - A **full system replacement** installs a complete z/OS system.
 - It installs all the data sets you need to IPL, to log on to the target system, and to run a z/OS image in order to complete other installation and customization tasks.
 - The installed data sets fall into two major categories:
 1. System software and related data sets (such as distribution and target libraries, SMP/E CSI data sets, and sample libraries)
 2. Operational data sets (such as page data sets, system control files, and a master catalog).
 - Because IBM creates a working set of operational data sets for you, a full system replacement helps assure a successful first IPL.
 - Depending on your environment, you might need to merge your existing operational data sets with the data sets created by ServerPac. You can do this before or after first IPL.
 - A **software upgrade** installs only system software and related data sets (such as distribution and target libraries, SMP/E CSI data sets, and sample libraries).
 - It does not create the set of new operational data sets required to IPL (such as page data sets, system control files, and a master catalog).
 - With a software upgrade, all operational data sets are assumed to already exist and to be usable by the new level of software installed.
 - When new operational data sets are required, you must allocate and initialize them before you IPL.
 - A software upgrade is possible for z/OS but not for the subsystems.



The dotted line contains the system software and data sets that are created by full system replacement. Within the dotted line, the data sets below “Target System” are the subset of data sets that are replaced by software upgrade.



Session B - [24 x 80]

File Edit View Communication Actions Window Help

CustomPac ----- CREATE Configuration (OS191534) -----

OPTION ==> f_

Select the Install type :

- F - Full System Replacement installs a complete new IPL-able standalone system including all SMP/E-maintained libraries, SMP/E environment, operational data sets, and CustomPac sample data sets. The supplied operational data sets must be merged with or replaced by production operational data sets before the new system is used in production.

- S - Software Upgrade installs only the SMP/E-maintained libraries, SMP/E zones, and CustomPac sample data sets. Operational data sets, including system control files (like LOGREC and VTAMLST), a security system database, and a master catalog must already exist. These existing operational data sets must be updated as required for new products and product changes before the first IPL.

For more information about Software Upgrade, enter ? in the option field

M b

02/015

 Connected to remote server/host vm.marist.edu using port 23

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- JES Element Selection ( RV210001 ) -----
COMMAND ==> _

Choose JES elements to be installed:

    JES Elements to Install          ==> BOTH (JES2, JES3, or BOTH)

Specify options for merging SMP/E target and DLIB zones:

    Merge SDSF Zone into JES2 Zone   ==> N    (Y or N)
    Merge SDSF Zone into JES3 Zone   ==> N    (Y or N)
    Merge SDSF/JES2 Zones into BCP Zone ==> N    (Y or N)
    Merge SDSF/JES3 Zones into BCP Zone ==> N    (Y or N)
    Merge SDSF/JES2/JES3 Zones into BCP Zone ==> Y    (Y or N)

Note: For more information, enter ? in the command field.

Panel updated as of z/OS R12 for SDSF additional merge options

MA a 02/014
Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC309 and port 2
```

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- CREATE Configuration ( RV210001 ) ----- Row 1 to 4 of 4
COMMAND ==> CR_ SCROLL ==> HALF

Select Configuration

Primary Commands: (? SET Locate Find Next Previous SORT CReate)
Line Commands: (Select)

S CONFIguration Comment
-----
* MVSBUILD.RV210001 Always Selected for Order
-----
MVSBUILD.OS110095.CONFIG R11 CC SYSTEM
MVSBUILD.OS190066.CONFIG FIRST SETUP
MVSBUILD.RT200001.CONFIG Z/OS R10 ESP SERVERPAC
s MVSBUILD.RU210001.CONFIG R11 ESP SERVERPAC
***** Bottom of data *****

MA a 02/016
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```

I'm going to base my configuration on a previously saved configuration. For instance, I'm basing my z/OS R12 ServerPac on a saved z/OS R11 configuration.

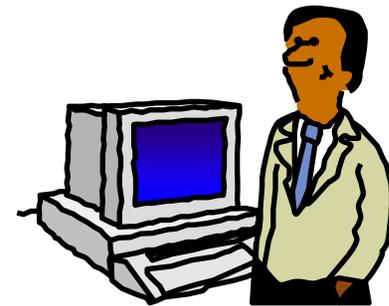
“V”ariables: Assign Variables and Zones

■ Variables

- Driving system information, for example:
 - master catalog name/volume
 - default assembler
 - and so on
- Jobcard information

■ Zones

- View zone content
- Rename zones (and as of z/OS R12, specify your SMPTLIB values)



CustomPac ----- Installation Variables (RV210001) - Row 36 to 49 of 97

COMMAND ==> _ SCROLL ==> HALF

Variable Selection List SHOW(*)

Primary Commands: (? SET Locate Find Next Previous CANCEL SAVE SHOW VARname)

Line Commands: (Browse Delete Edit Insert Repeat Ship)

S	Synonym	STA	Contents
	-----	---	-----+-----0-----+-----0-----+-----0-----+-----0-----
==>	MVS NEW ADR		
	SADMP CONSOLE	M D	3E0
==>	MVS NEW MISC		
	TIMEZONE OFFSET	P	W.05.00.00
	SMF IDENTIFIER	M D	CPAC
	SYSNAME	D	CPAC
	SYSPLEX	M D	SYSPLEX1
	SYSTEM LOGGER HLQ	D	IXGLOGR
==>	MVS OLD DSN		
	DSN CONSOL00	M D	SYS1.PARMLIB.POK (CONSOL00)
	EXISTING IODF	M P	SYS9.IODF52

Use the values that you've planned for...

“Z”ones: Change Zone Names, and SMPTLIB

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Define SMPTLIB and Zone Names ( RV210001 ) Row 1 to 1 of 1
COMMAND ==> _ SCROLL ==> HALF

Primary Commands: (? CANCEL SAVE)
Line Commands: (elementS Fmids)

----- SMPTLIB Information -----

Data set Prefix ==> C90BUILD.ZR12ESP
SMS Managed ==> No (Yes/No)

Device Type ==> 3390
Volume(s) ==> C90ES7 ==> ==> ==>

----- Zone Names Information -----

S Nickname DLIB Zone Target Zone SST
- - - - -
  100 BAD112 BAT112 MVS

***** Bottom of data *****

MA a 02/014
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```

This SMPTLIB section is new, as of z/OS R12.

Changing these zone names may affect your SMP/E data set names, if the zone names are in the MLQs.

“Modify System Layout” Option

- Automatic assignment of data sets to physical volumes helps you get to the Recommended System Layout described in *z/OS Planning for Installation*
 - A "pushbutton" way to distribute data sets among physical volumes.
 - Volumes are filled to 85% full the first time they are used and up to 90% full the next time they are used
- View and Change facility
 - View data sets by selected attributes
 - Extensive attribute list, for example: element type, LNKLST eligible, LPA eligible, required in master catalog, and so on.
 - Run Change command against the data set list



```
Session A - [24 x 80]
CPPP605T ----- Modify System Layout ( JU000221 ) -----
OPTION ==> c_

A   Create a Recommended System Layout (Automatically assign target and
    DLIB data sets to physical volumes by data set type)

C   View and change data sets by selected attributes
T   View and change device type table (DEVT)

D   Data Set Summary (SUMD)
M   Merged Data Set Summary (SUMD M)
S   Shipped and Merged Data Set Summary (SUMD S)
U   User Data Set Summary (SUMD U)

V   Physical Volume Summary (SUMP)
L   Logical Volume Summary (SUML)

P   Product, Feature and Element Summary

----- Session Control Options -----
K   Keep Changes made in this dialog session so far (SAVE)
B   Back Out changes from this dialog session (CANcel)

MA a 02/014
```

```

Session A - [24 x 80]
CPPP605R ----- Select Data Set View ( JU000221 ) ----- Row 1 of 32
COMMAND ==> _                               SCROLL ==> CSR

Select a Data Set List View:

Primary Commands: (?)
Line Commands: (Select)

S  Display                Data Set List Description
-  -----                -
  APF Required            APF Authorization Required (Yes or No)
  Category                DLIB, Target, Operational
  Current LVOL            Assigned Logical Volume
  Current PVOL            Assigned Physical Volume
  Cylinders               Current Data Set Size in Cylinders
  Data Set Type           HFS, PDSE, PDS, SEQ, VSAM or ZFS
  Device Type             Assigned device type
  DDDEF Name              Owing Product DDDEF Name
  Element type            Data Set Element Type (LMOD, PNLENU, EXEC, etc.)
  HLQ                     Data Set High Level Qualifiers
  LNKLST Eligible         Eligible for Placement in the Link List (Yes or No)
  LPA Eligible            Eligible for Placement in LPA (Yes or No)
  LPA Required            Required in LPA List (Yes or No)
  LRECL                   Logical Record Length

MA  a                                                                02/014

```

To fix an overflow error, you'll need to move data sets off the volume. You can do it many ways, one way is to list the data sets on the volume and move them to another volume.

```

Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Modify System Layout ( 0S191534 ) ---- Row 1 to 5 of 5
COMMAND ==> SCROLL ==> HALF

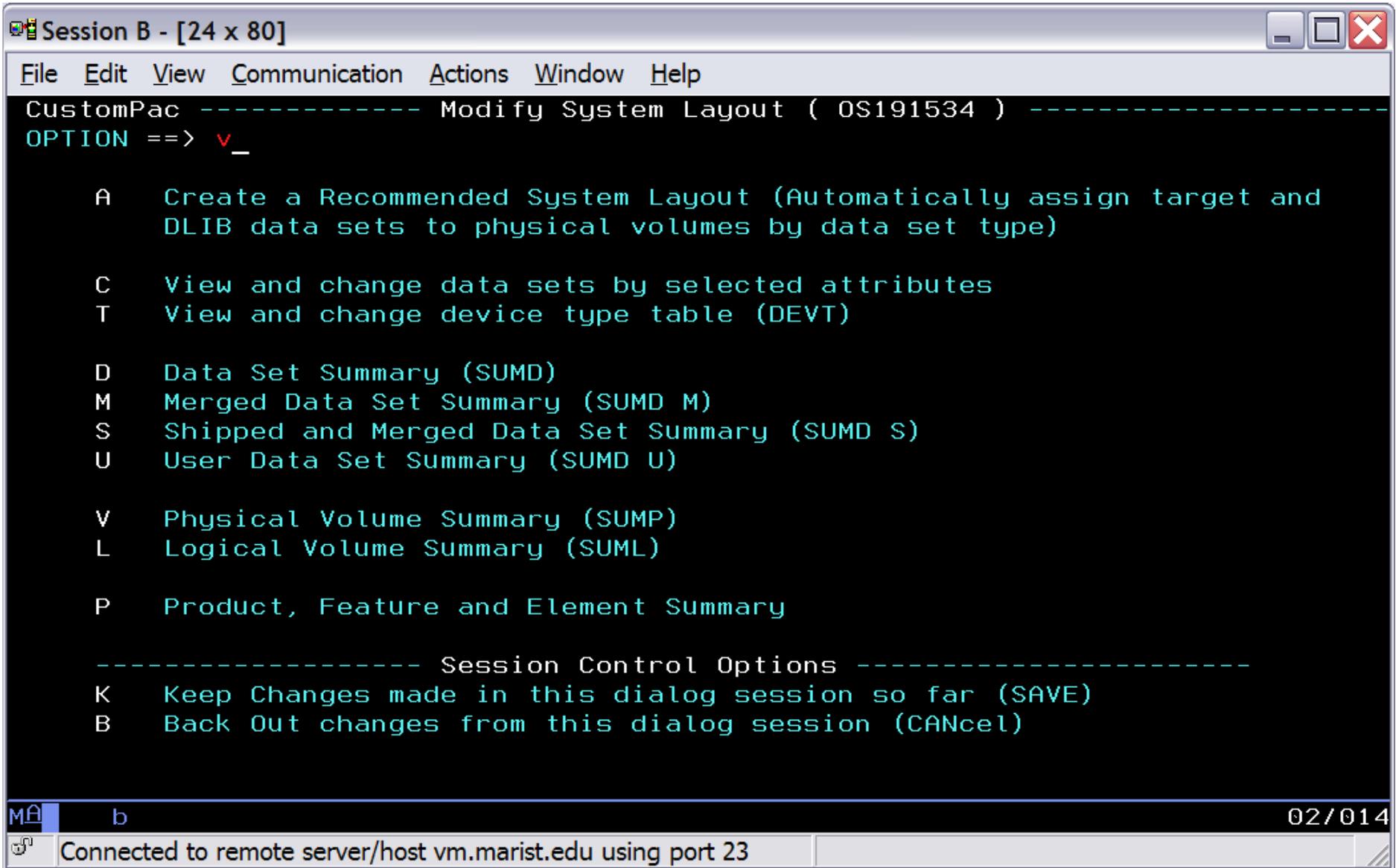
SUMMARY Of Physical Volumes

Primary Commands:(? DEVT)
Line Commands:(Select Dslist)

  PVolume/ Seq Device Device  Warn-  Init  ----- Cylinders -----
S STORCLAS No. Number Type   ings  Volume Existing  RSVD Assignd  Used  Free
-----
BIGVOL      0D30  3390-004      Y      0      0    5310  5310 27449
VPMVSB      0CE3  3390-001  EXT<<W  N     134    0    50   184   16
VPMVSE      0D2F  3390-002      N     308    0    78   386  114
WORK01      0D35  3390-9        Y      0      0   8536  8536 1481
d WORK02    0D36  3390-9  OVR<<S  N     5329    0   7142 12471  0
***** Bottom of data *****
    
```

As of z/OS R11: This overflow error won't occur anymore, if you've already run the ALLODS job!

Many options: changing your physical volume information:



```
Session B - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Modify System Layout ( OS191534 ) -----
OPTION ==> v_

  A   Create a Recommended System Layout (Automatically assign target and
      DLIB data sets to physical volumes by data set type)

  C   View and change data sets by selected attributes
  T   View and change device type table (DEVT)

  D   Data Set Summary (SUMD)
  M   Merged Data Set Summary (SUMD M)
  S   Shipped and Merged Data Set Summary (SUMD S)
  U   User Data Set Summary (SUMD U)

  V   Physical Volume Summary (SUMP)
  L   Logical Volume Summary (SUML)

  P   Product, Feature and Element Summary

----- Session Control Options -----
  K   Keep Changes made in this dialog session so far (SAVE)
  B   Back Out changes from this dialog session (CANcel)

MA b 02/014
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```

Changing volume information... (First time in, ServerPac defaults of MVSRES, MVSDLB, and MVSCAT will need to be changed!)

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Modify System Layout ( RV210001 ) ---- Row 1 to 6 of 6
COMMAND ==> SCROLL ==> HALF

SUMMARY Of Physical Volumes

Primary Commands: (? DEVT)
Line Commands: (Select Dslist)

  PVolume/ Seq Device Device Warn- Init ----- Cylinders -----
S STORCLAS No. Number Type ings Volume Existing RSVD Assignd Used Free
-----
s C90ESD      910F 3390-9      Y      0      0      7419 7419 2598
  C90EST      910E 3390-9      Y      0      0      6342 6342 3675
  C90ES2      9740 3390-3      Y      0      0       560  560 2779
  C90ES7      9738 3390-3      Y      0      0      2674 2674  665
  C90ES8      978B 3390-3      Y      0      0      3067 3067  272
  C99136      9136 3390-9      Y      0      0      1688 1688 8329
***** Bottom of data *****

MA a 12/004
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```

Update with correct values for the volume.

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Modify System Layout ( RV210001 ) -----
COMMAND ==>

Display and Change Volume Attributes

Volume Serial    ==> C90ESD    (Always required)
Device Number    ==> 910F
Device Type      ==> -        (Enter ? For List of Available Device)
                  (See Device Type Table for UNIT Type)
Reserved Space   ==> 0        (Cylinders)
Initialize Volume ==> Y        (Y or N. Default is Y)

Press Enter to continue or End to Cancel

Note: Only the volume serial is required for online volumes when the
      DYNAMIC DASD INFO variable is set to Yes.

MA a 11/028
Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC309 and port 2
    
```

Don't put Device Type, let dialogs fill in for you!

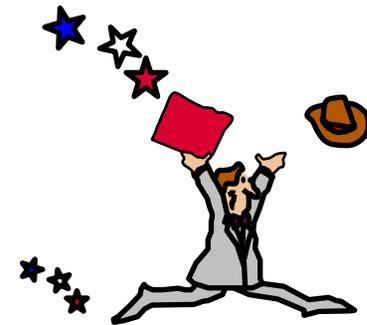


Critical: Make sure this selection is correct!!!!



Change Command

- Extensive options in CHANGE command
 - Change data set names
 - Change space
 - Change physical volume
 - Change SMS status
 - Switch PDS to PDSE and vice-versa
 - Switch Unrenamable to Renamable and vice-versa
 - Switch Required in Master Catalog and vice-versa
 - Switch HFS to zFS and vice-versa
 - Switch Secondary NO to YES and vice-versa
 - ...



“A”lias option

- You have several high level qualifiers for your data sets in ServerPac.
- This option will assign these high level qualifiers to a catalog. Use this panel to define a catalog data set name for each of the aliases (aka high level qualifiers) in your order.
- Enter catalog names under the 'Target System Catalog Data Set Name' field. The catalog names are initially shown as '???????' because they are not yet defined.
- You can specify the catalog name with which an alias is to be associated by typing over the question marks.

“SSA” option

- This is where you'll specify your System Specific Aliases (for the target system master catalog and user catalog(s)).
- These SSAs will create aliases in the driving system's master catalog.
- Recall that SSAs are used by ServerPac so that that driving system data set names do not interfere with the target system data set names.
- We are going to be allocating new target system catalogs in this example...

Session A - [24 x 80]

File Edit View Communication Actions Window Help

CustomPac ----- SSA to CATALOG (**RV210001**) ----- Row 1 to 2 of 2
 COMMAND ==> _ SCROLL ==> HALF

CATALOG Selection List

Primary Commands: (? CANCEL SAVE)
 Line Commands: (SELECT)

S	Catalog Name	SSA Name	Type	VOLUME	Allocate	Define	Unit
	C90BUILD.SPAC12E.MCAT	ZR12ESPM	MCAT	C90ES7	Y	Y	3390
	C90BUILD.SPAC12E.UCAT	ZR12ESPU	UCAT	C90ES7	Y	Y	3390

***** Bottom of data *****

MA a

02/014

Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC309 and port 2

“I” option

- This is where you'll run the tailored JCL jobs for ServerPac!
- At this point – you should have everything all ready to go:
 - Data set names finalized
 - Data set locations finalized
 - Volume information finalized
 - SSA and catalog relationships finalized
 - ...everything you've done in ServerPac up to this point!!
- From this point on...you'll mostly be using the *ServerPac Installing Your Order* book, since we are now into the 'order specific' information in ServerPac...

Installation Jobs

- Installation jobs are generated based on configuration data
 - Ensure you are satisfied with your configuration
 - use VAR primary command to return to variables options and adjust them
- Three types of installation job entries, grouped together by category:
 - SRC - jobcard that can be edited
 - use Select line command to generate SRC entry which can be changed if necessary
 - DOC - documentation for the following set of jobs
 - use Select line command to generate and view DOC entries
 - JOB - installation job that can be submitted
 - use “S”elect line command to generate only the selected job which can be submitted. Use “B”ackup if you’ve already generated the job.



“I” option - GENSKELE

- This command will file tailor all the jobs for you all at once. Otherwise, you'll need to individually file tailor each job. (For some jobs, that takes a while, so it's recommended you use GENSKELE prepare all the JCL jobs at one time.)
- You have to exit the dialog for the GENSKELE job to run, to avoid contention on your order data sets.
- GENSKELE jobs will be stored in your order's SCPPBENU data set. You use the “B” (or backup) line command to select the job.
 - If you use “S” (for select), you'll re-tailor the job (and you'll have to wait for it to re-tailor)! This is a common “behavior” people do, so just know what is happening!

CustomPac ----- Installation JOBS (RV210001) --- Row 1 to 13 of 198
COMMAND ==> gen_ SCROLL ==> HALF

JOB Selection List SS\$(EXCLUDE)

Primary Commands: (? SET Locate Find Next Previous GENskel OFile OList SUMmary
SS\$ VARedit)

Line Commands: (Backup Delete Edit Insert Log Output Select SS-block Vars)

S	Description	STEP	MC	Status	RC
	SRC DEFAULT JOBCARD				
	==> INSTALLATION JOBS				
	DOC RUNNING INSTALLATION JOBS				
	DOC INSTALLATION SETUP				
	JOB INITIALIZE REQUIRED DASD	OFFLINIT	00	JOB24620	0000
	JOB INITIALIZE SMS VOLUME	INITSMS	00	JOB26222	0000
	DOC DEFINE CATALOGS AND RESTORE				
	JOB RACF PROFILES ON DRIVING SYSTEM	RACFDRV	00		
	JOB DEFINE CATALOGS	DEFCAT	00	JOB26997	0000
	JOB DEFINE SYSTEM-SPECIFIC ALIASES	DEFSSA	00	JOB27451	0000
	JOB ALLOCATE AND CATALOG DS	ALLOCDS	00	JOB28187	0000
	JOB RESTORE DATA SETS	RESTORE	04	JOB30317	4095

```
EDIT          MWALLE.CPPTMP1.SCPPWORK          Columns 00001 00072
Command ==> submit_          Scroll ==> HALF
***** ***** Top of Data *****
000001 //RECEIVE  JOB 'C90A,B710','ZOSR12 ESP TEST',
000002 //          CLASS=U,
000003 //          MSGCLASS=H,
000004 //          MSGLEVEL=(1,1),
000005 //          NOTIFY=MWALLE,
000006 //          TIME=NOLIMIT,
000007 //          REGION=0M
000008 /*JOBPARM S=AQTS
000009 /*
000010 /*  MODIFY THE JOB STATEMENT ABOVE AS REQUIRED FOR YOUR INSTALLATION'S
000011 /*  REQUIREMENTS, AND PRESS END TO CONTINUE.
000012 /*
000013 /*
000014 //JOBLIB      DD DSN=MVSBUILD.RV210001.SCPPLOAD,
000015 //          DISP=SHR
000016 /*
000017 /*
000018 /*          *****
000019 /*          *   THIS JCL WAS GENERATED BY SKELETON CPPS6121          *
```

CustomPac ----- Installation JOBS (RV210001) Row 187 to 198 of 198
COMMAND ==> SCROLL ==> HALF

JOB Selection List SS\$(EXCLUDE)

Primary Commands: (? SET Locate Find Next Previous GENskel OFile OList SUMmary
SS\$ VARedit)

Line Commands: (Backup Delete Edit Insert Log Output Select SS-block Vars)

S	Description	STEP	MC	Status	RC
	DOC MASTER CATALOG CONVERT				
b	JOB CREATE MASTER CAT CONVERT STEP	CATCVTM	00		
	JOB UPDATE TARGET MASTER CATALOG	CATCONV	00		
	DOC INSTALLATION CLEAN-UP TASKS				
	JOB CLEAN UP DDDEFS	UPDDDUV	04	JOB17547	0004
	JOB ZONE / DDDEF CLEANUP	UPDDEF	04		
	JOB CLEAN UP DDDEFS	UPDBCK	04		
	JOB DELETE DATA SET ALIAS NAMES	DELDSN	08		
	JOB DELETE WORK SYSTEM'S CSI DS	DELCSI	00		
	JOB DELETE SSAS IN DRIVING SYS MCAT	DELSA	00		
	DOC SET THE STATUS TO INSTALLED				
	JOB SET THE STATUS TO INSTALLED	SETSTAT			

***** Bottom of data *****

“I” option – General Job Information...

- In general, the prolog information in each of the jobs tells you what it does, and any manual changes you'd need to make.
 - Yes, there still are some manual changes required to these jobs in some cases 😊.
- Make sure you get the expected return code from each job, before continuing.
 - Subsequent jobs rely upon previous jobs running successfully.
- If you go back into previous ServerPac options, it is likely that you may need to then continue through subsequent options (and even have to re-GENSKEL), based on what you've changed.

“I” option – ALLOCDS and Volume Overflow – Beware!

- Once you run the ALLOCDS job, your data sets will be allocated on your volumes, and ready for you to copy into.
- If you go back into Modify System Layout, the dialog will dynamically look at each volume. If you have said that you do NOT want the volume to be initialized, it will discover the volume fairly full (a result from the ALLOCDS job).
 - This will give you the Dreaded Volume Overflow again (which you probably “fixed” before!).
- To avoid this problem, you can:
 1. Save your order! This circumvention changes your configuration in a way you don't want to save.
 2. Change Initialize Volume flag to Y on the over-allocated volumes
 3. Enter and exit the A and SSA options to get back to I.

Agenda

- ➔ IPLing your target system



CustomPac ----- Installation JOBS (RV210001) -- Row 49 to 61 of 198
COMMAND ==> _ SCROLL ==> HALF

JOB Selection List SS\$(EXCLUDE)

Primary Commands: (? SET Locate Find Next Previous GENskel OFile OList SUMmary
SS\$ VARedit)

Line Commands: (Backup Delete Edit Insert Log Output Select SS-block Vars)

S	Description	STEP	MC	Status	RC
DOC	COPY CUSTOM DATA FROM DRIVER				
JOB	COPY DRIVING SYSTEM CONSOL00	COPYCON	00		
JOB	CREATE VATLST00 IN PARMLIB	VATLST	00		
JOB	COPY VTAM DEFINITIONS	CPYVTLCL	00		
JOB	RENAME DS TO FINAL NAME	ALTCAT	00	JOB20994	
==>	IPL YOUR SYSTEM				
DOC	IPLING THE SYSTEM				
==>	POST-INSTALLATION FROM TARGET				
DOC	POST-INSTALL JOBS FROM TARGET				
JOB	RACF PROFILES ON TARGET SYSTEM	RACFTGT	00		
JOB	ALLOCATE LOG STREAMS	DEFNLOGS	00		

Here's the point when you're ready to IPL!

Prepping for the IPL...

- Several manual updates are still needed to your target system (from your driving system), before you try your first IPL:
 - Any local necessary customization (usermods, parmlib, proclib updates, ...) that are being used.
 - This is where the separation during planning will have paid off!

Agenda

- ➔ ■ Post-install work from target system
 - Getting the ServerPac dialog to your IPL'd system
 - Running the remaining dialog jobs.



Getting the ServerPac dialog to your IPL'd system

- Recommended way: put your ServerPac order data sets in a user catalog. Import connect that user catalog to your driving system. Then, import connect that user catalog also to your target system. Invoke the dialogs as you had before on the driving system.
- An alternate way: Catalog the data sets on your target system catalog. Remember: there are VSAM data sets involved, and they can only be cataloged in one catalog!
 - Catalog your dialog data sets on the target system.
 - Recatalog the VSAM data sets (SCPPEENUs, SCPPHENUs, and SCPPVENU) - if you didn't put them in a usercatalog when you did the initial RECEIVE.
 - Warning: at this point, they'd have to be re-cataloged back on the driving system, if you wanted to access them there!
 - Get your dialog EXEC ready (like you did on your driving system).

Running the remaining dialog jobs

- Remember: Since you have GENSKEL'd the jobs, they reside in your *hlq*.SCPPBENU data set.
- You can continue to run the jobs from that data set from your target system, and also via the dialogs.

Running the remaining dialog jobs

- Target system jobs left to run, many are order-content dependent:
 - ==> **POST-INSTALLATION FROM TARGET**
 - Completes the installation of the products in your order, that cannot be done from the driving system.

 - ==> **INSTALLATION VERIFICATION**
 - Verifies the installation of this ServerPac, for certain products.

 - ==> **COMPLETING THE INSTALLATION**
 - Updates your new master catalog, and cleans up your driving system from the installation.

Agenda

- ➔ Saving your ServerPac configuration



```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- Installation Options for Order ( RV210001 ) -----
OPTION ==> s_

Complete these options to install the order:

C      Create          Create the Work Configuration
V      Variables       Specify Values for Variables
Z      Zones           Specify SMPTLIB and SMP/E Zone Names Information
M      Modify          Modify the System Layout
A      Alias           Specify Catalogs for High-Level Qualifiers
SSA    SSA             Specify Temporary Aliases (SSAs) for Catalogs
I      Installation    Create and Submit Installation Jobs

You can use Save any time after creating the work configuration:

S      Save            Save the Current Work Configuration

CPP0699002I Your driving system supports EAV volumes. However, the CustomPac
Dialogs do not support these volumes.

MA a 02/014
Connected to remote server/host plpsc.pok.ibm.com using lu/pool M05TC309 and port 2

```

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
CustomPac ----- SAVE Configuration ( OS210078 ) -----
COMMAND ==> _

Specify SAVE Library

Enter the High Level Qualifier and the Volume Serial or Storage
Class of the Library to which the Order Configuration will be saved

Data Set HLQ   ==> MVSBUILD.OS210078.CONFIG

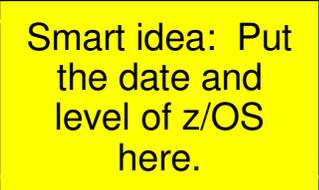
Volume Serial ==> C90BA4   (Blank for SMS-managed data sets)
- or -
STORCLAS      ==>         (Blank for non-SMS-managed data sets)

The default qualifier used is 'OrderHLQ'.
You may enter a Comment to identify the Configuration. This
is recommended if you use a qualifier other than the default.

                ==> Z/OS V2.1 SERVERPAC FROM 4 FEBRUARY 2014

MASTER HLQ is : MVSBUILD.SRVRPAC

-FIXFIND *CPPP604
MA A
```



Smart idea: Put the date and level of z/OS here.

Saving Your Configuration



- **Save your configuration for the next release**
 - All data specified when tailoring your ServerPac configuration is saved
 - Remember the name of the configuration you saved
 - *Smart tip:* include in the comment what the order was (z/OS R12, CICS 4.1, ...) and date (July 1 2010). This really helps months or years from now, when you are deciding what to base on!
 - It helps you pick a CICS configuration for a CICS order.
 - It helps you pick the latest CICS configuration, if you saved multiple levels.
- **Use Merge Configuration during your next install**
 - All data from specified save configuration is processed



Newer ServerPac Install Enhancements

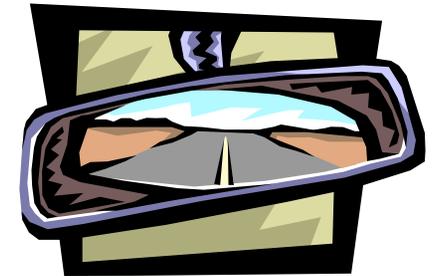
• ServerPac in z/OS V2R1:

- Provides a basic and simple comparison between saved jobs to define RACF profiles for a prior order and the jobs generated for the current order.
- Orders that include RACF feature will provide a RACF database you can use for initial IPL when you do not have an existing security environment.

• ServerPac in z/OS R13:

- Improved handling for user-supplied installation jobs by preserving their placement in the list of jobs generated by the CustomPac Installation Dialog.
- You can now merge IBM data sets into target user-defined data sets.
- **Data Set Origin** (IBM or User-Defined) is a new attribute off of Modify System Layout “View and change data sets by selected attributes”.
- Program Directories and *ServerPac: Installing Your Order* in Adobe PDF format on DVD for orders on tape, so they can be read immediately from an optical drive on a workstation without the need to download them from z/OS data sets after the RECEIVE job has been run.

z/OS Basics: ServerPac 101 Summary



- **Introduction to ServerPac**

- What is a ServerPac
- **Internet Delivery is recommended**, and has to be ordered from Shopz

- **Planning for ServerPac**

- Dialog options to plan for (Full System Replace vs. Software Upgrade, Variables to use, volumes, ...)
- SSA's and how they are used for installation
- SMP/E zone structure that is delivered to you

- **Preparing for ServerPac**

- Separation of system replace volumes from user volumes is recommended.
- Separation of customization data from software libraries is recommended.
- Standardization of data set names and placement is recommended.

- Continued...

z/OS Basics: ServerPac 101 Summary



- **Installing ServerPac**
 - RECEIVE, INSTALL (Create, Variables, Zones, Modify System Layout, Alias, SSA, Installation)
 - Use GENSKEL to create the jobs into your SCPPBENU data set.
- **IPLing your target system**
 - Add your own local changes that are necessary for you to IPL.
- **Post-install work from target system**
 - Running the rest of the Installation jobs (Post-Installation from Target, IVPs, Completing the Install)
- **Saving your ServerPac configuration**
 - Reuse your work for your next ServerPac install!



Back to the Basics: ServerPac 101

