WebSphere Application Server
What's New?

Mike Stephen, John Hutchinson
IBM

February 4, 2013
Session Number 12182

msteff@us.ibm.com
hutchjm@us.ibm.com
Trademarks

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

Not all common law marks used by IBM are listed on this page. Failure of a mark to appear does not mean that IBM does not use the mark nor does it mean that the product is not actively marketed or is not significant within its relevant market.

Those trademarks followed by ® are registered trademarks of IBM in the United States; all others are trademarks or common law marks of IBM in the United States.

For a complete list of IBM Trademarks, see www.ibm.com/legal/copytrade.shtml:

*BladeCenter®, DB2®, e-business(logo)®, DataPower®, ESCON, eServer, FICON, IBM®, IBM (logo)®, MVS, OS/390®, POWER6®, POWER6+, POWER7®, Power Architecture®, PowerVM®, S/390®, Sysplex Timer®, System p®, System p5, System x®, System z®, System z9®, System z10®, Tivoli®, WebSphere®, X-Architecture®, zEnterprise®, z9®, z10, z/Architecture®, z/OS®, z/VM®, z/VSE®, zSeries®

The following are trademarks or registered trademarks of other companies.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries. Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom. Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both. Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both. Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. UNIX is a registered trademark of The Open Group in the United States and other countries. Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both. ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office. IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency, which is now part of the Office of Government Commerce.

* All other products may be trademarks or registered trademarks of their respective companies.

Notes:

Performance is in Internal Throughput Rate (ITR) ratio based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

IBM hardware products are manufactured from new parts, or new and serviceable used parts. Regardless, our warranty terms apply. All customer examples cited or described in this presentation are presented as illustrations of the manner in which some customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics will vary depending on individual customer configurations and conditions.

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.

Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
Disclaimer

• The information contained in this documentation is provided for informational purposes only. While efforts were many to verify the completeness and accuracy of the information contained in this document, it is provided “as is” without warranty of any kind, express or implied.

• This information is based on IBM’s current product plans and strategy, which are subject to change without notice. IBM will not be responsible for any damages arising out of the use of, or otherwise related to, this documentation or any other documentation.

• Nothing contained in this documentation is intended to, nor shall have the effect of, creating any warranties or representations from IBM (or its suppliers or licensors), or altering the terms and conditions of the applicable license agreement governing the use of the IBM software.

• Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

• All customer examples cited or described in this presentation are presented as illustrations of the manner in which some customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics will vary depending on individual customer configurations and conditions.
Notice Regarding Specialty Engines (e.g., zIIPs, zAAPs and IFLs):

Any information contained in this document regarding Specialty Engines ("SEs") and SE eligible workloads provides only general descriptions of the types and portions of workloads that are eligible for execution on Specialty Engines (e.g., zIIPs, zAAPs, and IFLs). IBM authorizes customers to use IBM SEs only to execute the processing of Eligible Workloads of specific Programs expressly authorized by IBM as specified in the “Authorized Use Table for IBM Machines” provided at: www.ibm.com/systems/support/machine_warranties/machine_code/aut.html (“AUT”). No other workload processing is authorized for execution on an SE.

IBM offers SEs at a lower price than General Processors/Central Processors because customers are authorized to use SEs only to process certain types and/or amounts of workloads as specified by IBM in the AUT.
## WebSphere Application Server on z/OS Sessions

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12182</td>
<td>What’s New?</td>
<td>Monday</td>
<td>11:00</td>
<td>Golden Gate 1</td>
<td>Stephen / Hutchinson</td>
</tr>
<tr>
<td>12185</td>
<td>WAS on z/OS - In Real Life</td>
<td>Monday</td>
<td>1:30</td>
<td>Golden Gate 1</td>
<td>Rod Feak / Follis</td>
</tr>
<tr>
<td>12184</td>
<td>Lab</td>
<td>Tuesday</td>
<td>12:15</td>
<td>Union Square 23-24</td>
<td>Follis / Hutchinson / Loos / Stephen</td>
</tr>
<tr>
<td>12183</td>
<td>Liberty Server</td>
<td>Wednesday</td>
<td>11:00</td>
<td>Plaza B</td>
<td>Follis</td>
</tr>
<tr>
<td>12186</td>
<td>Spelunking the Admin Console</td>
<td>Wednesday</td>
<td>1:30</td>
<td>Plaza B</td>
<td>Hutchinson</td>
</tr>
<tr>
<td>12188</td>
<td>Being the Backup Administrator</td>
<td>Friday</td>
<td>9:30</td>
<td>Franciscan B</td>
<td>Loos</td>
</tr>
</tbody>
</table>
WebSphere Application Server – What's New?

- Level 2 Update
  - WAS V 6.1 extended 'end of service' date
  - MDVREGR / MDVPARTL
  - Liberty PreReqs / APARs
  - FLASHes / FITs

- Latest WAS Releases:
  - 8.0.0.5
  - 8.5.0.1 (Performance – zEC12 JIT exploitation)

- WOLA updates

- BPM V8

- Other
  - Techdocs
WAS – What's “Pretty” New?

- See last SHARE's “What's New?” Session # 11375 (Proceedings from Atlanta, August, 2012)
  - Liberty Profile (WAS 8.5)
  - Compute Grid (part of WAS 8.5)
  - Virtual Enterprise (part of WAS 8.5)
    - Dynamic Clustering & Intelligent Routing
    - Health Management
    - Application Edition Management
  - Other: (part of WAS 8.5)
    - Java 7 SDK
    - XCT Log Viewer
    - ISA Data Collector
    - WebSphere Sample Applications
    - IBM Mobile Foundation
## Versions, Dates and Service Levels..oh my

<table>
<thead>
<tr>
<th>Version</th>
<th>GA</th>
<th>End of Marketing</th>
<th>End of Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 7</td>
<td>9/26/2008</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version 8</td>
<td>6/17/2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version 8.5</td>
<td>6/15/2012</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- If delivered by Stack Product, EOS is that of Stack Product
- V8 (and beyond) iFixes for ALL Platforms
- [http://www.ibm.com/software/support/lifecycle/index_a_z.html](http://www.ibm.com/software/support/lifecycle/index_a_z.html)
MDVREGR / MDVPARTL in lieu of PE

- V8 and V8.5 no HIPER or PE Markings
  - Packaging and install changes
- Special Activity field updated with:
  - MDVREGR – Fixing regression
  - MDVPARTL – Fixing a partial fix
- If Highly Pervasive a FLASH Notification is sent as well

WebSphere V8.5 Pre-Reqs Liberty Profile

- Z/OS Pre-REQs:

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>5694-A01</td>
<td>z/OS V01.11.00 or later</td>
</tr>
<tr>
<td>5694-A01</td>
<td>PTF UA51978 (z/OS V01.11.00) Required for IHS V8.5 with SSL</td>
</tr>
<tr>
<td>5694-A01</td>
<td>APAR OA38745 for Distributed Mapping Identity function</td>
</tr>
<tr>
<td>5694-A01</td>
<td>APAR OA37620 (Metal-C) for Liberty Profile</td>
</tr>
<tr>
<td>5694-A01</td>
<td>APAR OA39035 (Metal-C) for Liberty Profile</td>
</tr>
<tr>
<td>5694-A01</td>
<td>APAR OA39236 (Metal-C) for Liberty Profile</td>
</tr>
<tr>
<td>5694-A01</td>
<td>APAR OA39528 (RRS) for Liberty Profile</td>
</tr>
<tr>
<td>5635-DB2</td>
<td>APAR PM59162 (DB2) for Liberty Profile</td>
</tr>
</tbody>
</table>

APARs

- OA40015 z/OS SDUMP processing
  - SVC Dumps may not include high virtual user region
  - Results in missing information for problem analysis

- PM74657 Language Environment
  - 64 bit only
  - External symptom is continuous storage growth in WebSphere ASID's
  - Local Fix in APAR, or ++APAR available from LE L2
USS Info APAR II14684

• Severe Performance degradation with z/OS UNIX Apps
  – WebSphere App Server z/OS
  – Performance issues during server startup or heavy load
  – Significantly higher usage of GCP's for zAAP/zIIP eligible work
    • Slow HFS / zFS access
    • CML Lock contention
  – occurs with OEM security support of FSACCESS
    - even if not explicitly have the FSACCESS class profile defined
• TSS fixes: TR44615, TR48511
• ACF2 fix: RO45571
• http://www.ibm.com/support/docview.wss?uid=isg1II14684
Upcoming Maintenance

- OA41101 USS

- REQUIRED WebSphere Maintenance in support of OA41101
  - Can be installed PRIOR to OA41101
  - PM81836 (V6.1)
  - PM81837 (V7, V8, V8.5)

- TechDoc / FLASH from WebSphere forthcoming
FLASH - HTTP Server for z/OS
Version 5.3 (PM79239/UK90469)

• After APPLY:
  – IMW0584W HTTP Server sslmode on is inconsistent with WebSphere plug-in V7 or later
• Installing / configuring the plug-in for V5.3 HTTP Server for z/OS
• Some of the common problems we've seen:
  – Running non-SSL between Plug-in and WebSphere
  – SSLMODE=MULTI (in httpd.conf)
    – Mis-configured httpd.conf files / using old plug-ins
• Flash url:
WHY be FLASH'ed

• Reasons for receiving FLASH info:
  – MDVREGR / MDVPARTL notification
  – Security / Integrity

• Sign up from the IBM Support Portal Web Page

• https://www.ibm.com/support.entry/portal
  – Use your IBM ID ....... it's FREE
# My notifications

for IBM technical support

<table>
<thead>
<tr>
<th>My subscriptions</th>
<th>Subscribe</th>
<th>My defaults</th>
<th>Help</th>
</tr>
</thead>
</table>

Select your product | Search for your product

Create a subscription by selecting a product family.

## Systems
- PureFlex System
- BladeCenter
- Power
- System i
- System p
- System x
- System z
- System Blue Gene
- IntelliStation Pro
- IBM Monitors
- IBM Systems Director

## Software
- Information Management
- Clarity Systems
- Cognos
- OpenPages
- PureData Systems
- SPSS
- ShowCase
- Lotus
- PureApplication System
- Rational
- Tivoli
- **WebSphere**
- Other Software
- Cluster software

## Storage
- Disk systems
- Network Attached Storage
- Optical systems
- Storage software
- Tape systems

## System Networking
- Data Center Ethernet
- Storage Area Network

## IBM Operating Systems
- AIX 7.1

Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
Select the products you want...

- WebSphere Application Server Express
- WebSphere MQ Low Latency Messaging
- WebSphere Application Server Community Edition
- WebSphere MQ Workflow Edition
- WebSphere Application Server for z/OS
- WebSphere Multichannel Bank Transformation Toolkit
- WebSphere Application Server Hypervisor Edition
- WebSphere Partner Gateway - Express

Scroll to the bottom... press continue

- WebSphere Commerce - Express
- WebSphere Virtual Enterprise
- WebSphere Commerce Business Edition
- WebSphere Voice Response for AIX
- WebSphere Voice Server
- WebSphere Voice Toolkit
- WebSphere XML Document Management Server

Continue

Complete your session evaluation online at SHARE.org/SanFranciscoEval
My notifications
for IBM technical support

You are subscribing to the following
- WebSphere
- WebSphere Application Server for z/OS

Fields marked with an asterisk (*) are required.

Options
Subscription name: *
WebSphere Application Server for z/OS

Save in existing or new folder:
Existing folder name: *
No folders available

New folder name: *
My default folder

Notify me by
- Email
  - Daily email
  - Weekly email
  - Plain text email
  - HTML email

- Delivery to this folder

- Delivery via syndication feed (RSS, Atom)
  - What is this?

Document types *
- What are these?

Select/deselect all
- Flashes
- News
There are other things you can be notified of...
Scroll to the bottom... press submit

- Downloads and drivers
  - Fixes
    - Recommended
    - High-Impact / Pervasive (HIPER)
    - Security Vulnerability (Sec/int)
  - Troubleshooting
    - Technotes (Troubleshooting)
    - Technotes (FAQs)
    - APARs (Authorized Program Analysis Reports)
    - Fix readmes
    - Preventative Service Planning
    - PTF (Program Temporary Fix) cover letter

- Product information and publications

- Webcasts

[Submit] [Cancel]
FITS No More

• The FITS requirement process (for WAS anyway) is gone

• Now you can participate directly via the Request For Enhancements (RFE) process on DeveloperWorks:

• Search

• Submit

• Comment/Discuss

• VOTE!

Welcome Request for Enhancement (RFE) Community users! Here you have an opportunity to collaborate directly with the IBM product development teams and other product users.

¬ Search for RFEs (view, comment, vote, and watch)
¬ Submit RFEs
¬ Track your RFEs (My RFEs)

Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
WebSphere Application Server – What's New?

- **Level 2 Update**
  - WAS V 6.1 extended 'end of service' date
  - MDVREGR / MDVPARTL
  - Liberty PreReqs / APARs
  - FLASHes / FITs

- **Latest WAS Releases:**
  - 8.0.0.5
  - 8.5.0.1 (Performance – zEC12 JIT exploitation)
  - WOLA updates
  - BPM V8
  - Other
    - Techdocs
8.0.0.0

- **Install** -- integrated, olaInstall.sh no longer needed
- **Usage** - IMS multi-segment/large message (>32K) support
- **Availability** -- Failover to alternate connection factory JNDI and failback
- **Monitoring** -- new SMF 120.10 record for outbound WOLA calls
  - Correlator tokens for WAS to CICS TS 4.2 requests
- **APIs** -- support for 64-bit calls from C/C++ and Assembler

7.0.0.12

- **Usage** -- two-phase commit support WAS ↔ CICS 4.1
- **Usage** -- IMS support

7.0.0.4

Original release of the WebSphere Optimized Local Adapters function

8.0.0.1

- **Development/Test**
  - Test code on distributed development machine and have WOLA call "proxied" to z/OS where WAS z/OS server and backend data systems are located
  - Support for inbound calls for EJB that resides in another WAS server from that connected to with WOLA registration

- **Work Distribution**
  - Ability to round-robin between multiple external address spaces registered into server with the same register name

- **Monitoring**
  - New SMF 120.9 record for inbound workload in SMF 120.9
  - Correlator tokens for WAS to CICS TS 4.2 requests

See next page for continuation of timeline.
WebSphere Application Server z/OS Optimized Local Adapter

Recent Functional Updates

- **Usage** -- Two-phase commit support WAS ⇒ IMS over OTMA
- **Usage** -- enhanced CICS channels and containers support

8.0.0.5 (11/12)

- **Usage** -- Two-phase commit support WAS ⇒ IMS

8.0.0.4 (8/12)

- **Usage** -- Two-phase commit support IMS ⇒ WAS

8.0.0.3 (4/12)

- **Development** -- WOLA made an available feature of IBM Integration Designer tool for creating BPEL processes for Business Process Management

8.0.0.1 (9/11)

- WOLA functionality from 8.0.0.1 equivalent to WOLA function found in 8.5.0.0

8.5.0.0 (6/12)

- **New!**

8.5.0.1 (10/12)

- Includes all the WOLA updates up through 8.0.0.4

Detail pages follow ...
Performance improvement derived with a combination of new hardware and improved software

Improvements in software performance a result of enhancements in WebSphere Application Server as well as in the IBM Java SDK included with WebSphere Application Server.

Do not use these numbers for Capacity Planning.

Use the Processor Capacity Reference for IBM System z (zPCR)
- See techdoc PRS1381

Performance measurement conducted in a controlled environment under specific conditions. Your results may vary based on many factors that influence overall system performance. Results here are not a promise of similar results. Results here are for traditional WebSphere Application Server z/OS and not the new Liberty Profile server. Test measured maximum achievable transactions per second with overall CPU held near 100%. Version 8 not shown here because Version 8 and Version 8.5 are roughly equivalent in performance profile. Workload based on "DayTrader" benchmark sample. Details on the DayTrader application may be found at this URL: https://cwiki.apache.org/GM0xDOC20/daytrader.html
Where did WAS 8.5 come from?

WebSphere Application Server on z/OS

- XD = Extended Deployment
  - a.k.a. Compute Grid (CG)
- OO = Operations Optimization
  - Virtual Enterprise (part of XD 6.1)
- BatchFP = Modern Batch FP
  - Subset of XD (CG)
  - Included in WAS V8
- WAS 8.5 includes CG, XD, VE, plus:
  - Liberty Profile
  - Java 7 SDK
  - XCT (Cross-Comp. Trace)
IBM WebSphere Application Server z/OS Optimized Local Adapter

8.0.0.3 / 8.5.0.1 Release

WOLA support included in IBM Integration Designer for BPEL Processes

WOLA used Enterprise Meta Data Wizard generates WOLA Adapter Import and the supporting artifacts: Interface, BGs

WOLA Adapter Wizard transforms a Cobol Copy Book to a BO

Design and Development

developerWorks Article

InfoCenter

Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
Applications in IMS use set the "transaction supported" flag on register API

Target WAS environment has `adapter_rrs_propagate_context = 1` environment variable set and enabled

IMS Control Region needs to be running with `RRS=Y`
**WebSphere Application Server z/OS Optimized Local Adapter**

8.0.0.5 Release, Part 1

**RRS transaction context assertion from WAS into IMS over WOLA/OTMA**

- IMS Control Region needs to be running with `RRS=Y`
- Target WAS environment has `adapter_rrs_propagate_context = 1` environment variable set and enabled

Transaction assertion from IMS dependent region into WAS was provided in the 8.0.0.4 fixpack

New! Application in WAS may assert transaction into IMS over OTMA

Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
Before ...
CICS channels & containers support was limited to a single fixed-name channel for both request and response, and a single container of type BIT or CHAR.

With 8.0.0.5 or later ...

Send and receive one or more containers from target CICS program.

- Channel name set using `setLinkTaskChanID()` method.
- Channel type set using `setLinkTaskChanType()` method.
- Request containers named using the `put()` method to the MappedRecord.
- MappedRecord Keys correspond to the CICS container names, and the corresponding value is used to fill the container in CICS.
- Response container names returned to the client after the CICS request is finished (extracted from the channel & populated in a new MappedRecord.)

See InfoCenter `tdat_enableconnector`, `cdat_olaapis` and `rdat_cics`
WebSphere Application Server – What's New?

- Level 2 Update
  - WAS V 6.1 extended 'end of service' date
- Latest WAS Releases:
  - 8.0.0.5
  - 8.5.0.1 (Performance – zEC12 JIT exploitation)
- WOLA updates
- BPM V8
- Other
  - Techdocs
IBM Business Process Manager for z/OS V8: Building Process Server Components

- Deployment Manager
- Empty Node
- 1 Cluster (D.E. Wizard)
- 2 Databases (891 Tables)
- 15 Data sources
  - Common WPS & ESB (2)
  - Business Process Container
  - Business Space (2)
  - Process Server (2)
  - Data Warehouse (2)
  - Messaging Engines (6)
- 6 SI Buses & MEs
  - SCA System & Application bus
  - CEI bus, BPC bus
  - Process Server, Data Warehouse
- 29 BPM Applications
  - Business Flow Manager, Human Task Manager, BPE Container, ...
  - BPC Explorer & Observer, Business Rules Manager
  - Process Portal, Process Admin, Performance Data Warehouse
  - Business Space, IBM BPM Teamworks, Hiring Sample
Process Server Configuration Spreadsheet (Techdoc WP102075)

Spreadsheet Creates 5 Documents:

- zPMT: Response file for Deployment Manager
- zPMT: Response File for Empty Node
- ISC: Deployment Environment Wizard
- dbDesign file for DbDesignGenerator and DE Wizard
- Schema defs For DBA

Click on Tabs, and Buttons to save the Response files.
Configuration Jobs for Deployment Manager & Empty Node

- **Stack Environment including BPM Advanced: Process Server**
  - Create BPM V8 DMGR
    - Import Spreadsheet Response file (DMGR)
    - Review the Panels, “Create” & “Finish”
    - “Process” when complete to Generate and FTP Jobs
  - Create BPM V8 Custom Node
    - Import Spreadsheet Response file (Empty Nodes)
    - Review the Panels, “Create” & “Finish”
    - “Process” when complete to Generate and FTP Jobs
Create / Configure DMGR & Empty (Custom) Node

Configuration Jobs created by the PMT:

**Deployment Manager:**
- BBOSBRAK – Define RACF Users & Groups
- BBOSBRAM – Create Home Directories
- BBODBRAK – Create RACF Profiles & Permissions
- BBODCFS – Create zFS
- BBODHFSA – Populate zFS
- BBOWWPFD – Create Profiles
- BBODPROC – Copy Proclib members
- BPZAUGD – Augment profiles with BPM: ProcessServer

**Empty Node**
- BBOMCFS – Create zFS
- BBOMHFSA – Populate zFS
- BBOWWPFM – Create Profiles
- BBOMPROC – Copy Procs
- BPZAUGN – Augment with BPM: Process Server
- BBOWMNAN – Federate Empty Node
Create DB2 Database Tables

• Generate sql templates with .dbDesign file from Spreadsheet:

   cd <profile_root>/util/dbUtils
   ./DbDesignGenerator.sh -g /wpswork/b0Cell.dbdesign

• Create DB2 StoGroup & Databases & GRANTs

   Use the b0cell.sql file from the Spreadsheet (copy/paste)

• Create Cell-scoped database Tables

   cd <profile_root>/dbscripts/B0CELLDB
   ./createDB2.sh -DBAlias b0admin -RunSQL

• Create Cluster-scoped database Tables

   cd <profile_root>/dbscripts/B0SR01DB
   ./createDB2.sh -DBAlias b0admin -RunSQL
Create the Deployment Environment Cluster with Deployment Environment wizard:

- Use the `.deploy` & `.dbDesign` files from the spreadsheet for definitions (Cluster, Data sources, etc.)

Next, Next, Next, & Generate the Cluster

Finally: Update with `WpsUpdate.py` & `bootstrapProcessServerData.sh` scripts
WebSphere Application Server – What's New?

• Level 2 Update
  • WAS V 6.1 extended 'end of service' date

• Latest WAS Releases:
  • 8.0.0.5
  • 8.5.0.1 (Performance – zEC12 JIT exploitation)

• WOLA updates

• BPM V8

• Other
  • Techdocs
New Techdocs

- WP102231 - Compute Grid Capacity Planning Report
- WP102230 - Performance when writing to Shared zFS with z/OS 1.3
- WP102205 - Guide to WAS z/OS Documentation and Presentation
- WP102204 - Using security domains in WebSphere Application Server on z/OS
- WP102197 - Demystifying calling a remote type 3 EJB in WAS on z/OS
- WP102188 - WAS V6.1 for z/OS Exit Plan: Step by step Install/Configure/Migrate to WAS V8 using Installation Manager on z/OS
- WP102110 - WebSphere Liberty Profile for z/OS
- WP102033 - WAS z/OS V8 Resource Adapter Failover Lab
- WP102075 - BPM V8 for z/OS Configuration Guide
- PRS5030 - BPM V8 for z/OS Implementation Workshop (ZBPM8)
- TD106002 - WebSphere AppServer V8.5 - SMF Browser for Job Usage data
- TD105994 - Where are the Sample Applications for WAS Version 8.5?
- TD105993 - EJBDeploy - Optional feature in WebSphere Application Server V8

Updated:

- PRS4944 - WAS z/OS Version 8 Configuration Spreadsheets
- WP101896 - WebSphere Application Server z/OS V8
- WP101532 - Why WebSphere Application Server for z/OS
- WP101490 - WebSphere z/OS Optimized Local Adapters
- TD104172 - WSC Guide to a Healthy WAS
System z Social Media Channels

- Top Facebook pages related to System z:
  - IBM System z
  - IBM Academic Initiative System z
  - IBM Master the Mainframe Contest
  - IBM Destination z
  - Millennial Mainframer
  - IBM Smarter Computing

- Top LinkedIn groups related to System z:
  - System z Advocates
  - SAP on System z
  - IBM Mainframe- Unofficial Group
  - IBM System z Events
  - Mainframe Experts Network
  - System z Linux
  - Enterprise Systems
  - Mainframe Security Gurus

- Twitter profiles related to System z:
  - IBM System z
  - IBM System z Events
  - IBM DB2 on System z
  - Millennial Mainframer
  - Destination z
  - IBM Smarter Computing

  - YouTube accounts related to System z:
    - IBM System z
    - Destination z
    - IBM Smarter Computing

    - Top System z blogs to check out:
      - Mainframe Insights
      - Smarter Computing
      - Millennial Mainframer
      - Mainframe & Hybrid Computing
      - The Mainframe Blog
      - Mainframe Watch Belgium
      - Mainframe Update
      - Enterprise Systems Media Blog
      - Dancing Dinosaur
      - DB2 for z/OS
      - IBM Destination z
      - DB2utor
## WebSphere Application Server on z/OS Sessions

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12182</td>
<td>What’s New?</td>
<td>Monday</td>
<td>11:00</td>
<td>Golden Gate 1</td>
<td>Stephen / Hutchinson</td>
</tr>
<tr>
<td>12185</td>
<td>WAS on z/OS - In Real Life</td>
<td>Monday</td>
<td>1:30</td>
<td>Golden Gate 1</td>
<td>Rod Feak / Follis</td>
</tr>
<tr>
<td>12184</td>
<td>Lab</td>
<td>Tuesday</td>
<td>12:15</td>
<td>Union Square 23-24</td>
<td>Follis / Hutchinson / Loos / Stephen</td>
</tr>
<tr>
<td>12183</td>
<td>Liberty Server</td>
<td>Wednesday</td>
<td>11:00</td>
<td>Plaza B</td>
<td>Follis</td>
</tr>
<tr>
<td>12186</td>
<td>Spelunking the Admin Console</td>
<td>Wednesday</td>
<td>1:30</td>
<td>Plaza B</td>
<td>Hutchinson</td>
</tr>
<tr>
<td>12188</td>
<td>Being the Backup Administrator</td>
<td>Friday</td>
<td>9:30</td>
<td>Franciscan B</td>
<td>Loos</td>
</tr>
</tbody>
</table>