



CAVMEN – Linux on System z Update



Paul S. Augustyniak
Linux on System z New Workload Leader
North America IOT
17 April, 2014

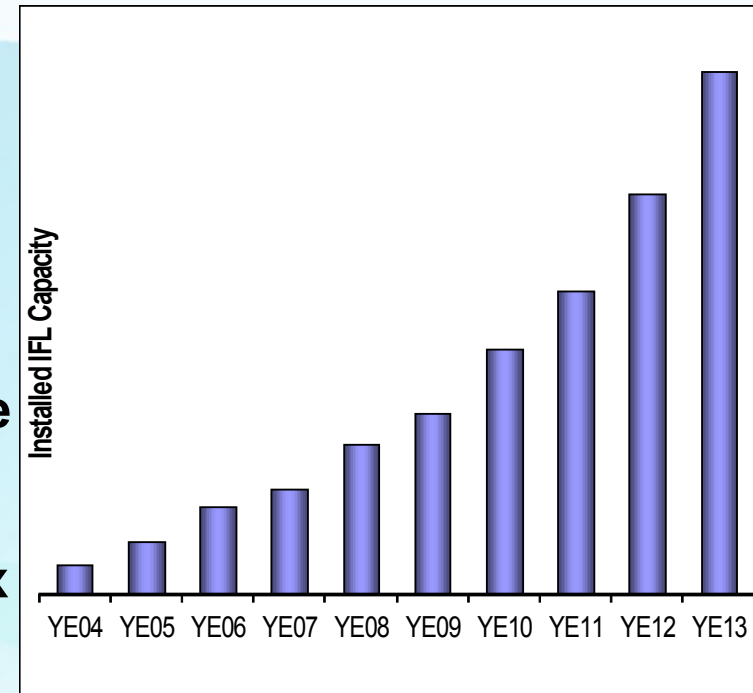
News Youse Can Use.... Linux on System z – UP again!!

Linux on IBM System z as of 4Q 2013

*Client adoption continues to drive success - Installed Linux MIPS at 49% CAGR**

- **26.7% of Total installed MIPS run Linux as of 4Q13**
- **Installed IFL MIPS increased 31% from 4Q12 to 4Q13**
- **38% of System z Customers have IFLs installed as of 4Q13**
- **88 of the top 100 System z Customers are running Linux on System z as of 4Q13 ****
- **58% of new System z Accounts run Linux (FY10-3Q13)**

Installed Capacity Over Time



*Based on YE 2003 to 2Q 2013

** Top 100 is based on total installed MIPS

News Youse Can Use....part ii

- **IBM Middleware search link for Linux on System z applications:**

<http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/index.jsp>

Additions:

- **IBM Smart Cloud Orchestrator ('manage to' System z)**
- **IBM Worklight Studio with Rational developer for zEnterprise**
- **IBM Websphere sMash**
- **Websphere Adapters v7. v7.5**
- **Websphere Business Monitors v6.2, v7.0**

Let me know if there is an IBM Middleware product of interest to your company

General Parallel File System (GPFS) - requests?

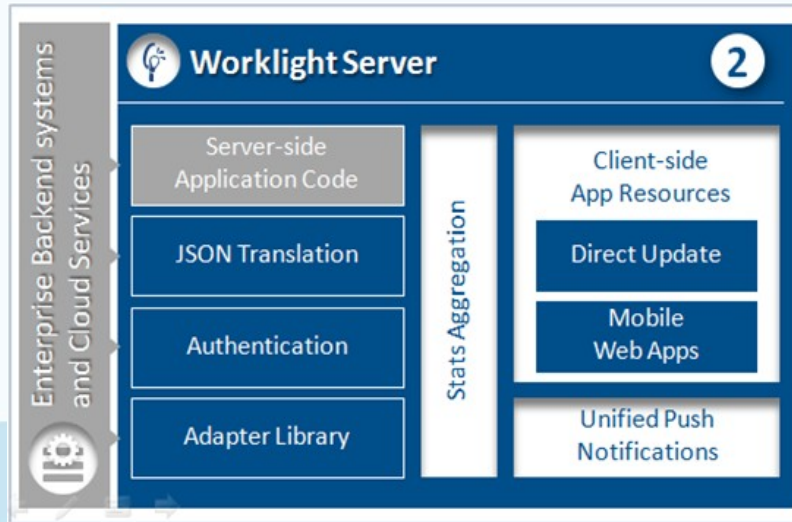
- **Company Name**
- **Key contact**
- **Disk subsystem type (ECKD/San-based FICON connection)**
- **Disk subsystem manufacturer**
- **Timeline for deployment (ideal)**
- **Workload/application: i.e. Websphere, WMQ, DB2, DB2 Connect**
- **Current platform for GPFS or alternative**

Enquiring minds want to know...:paugusty@us.ibm.com

I'm Goin' Mobile.....

.... que Pete Townshend

Worklight Server



Worklight Server is a **WebSphere Application Server (WAS)/Java application**, supported on **System z Linux** – WAS 7, 8, 8.5 on SLES 10, 11, and RHEL 5, 6. It provides:

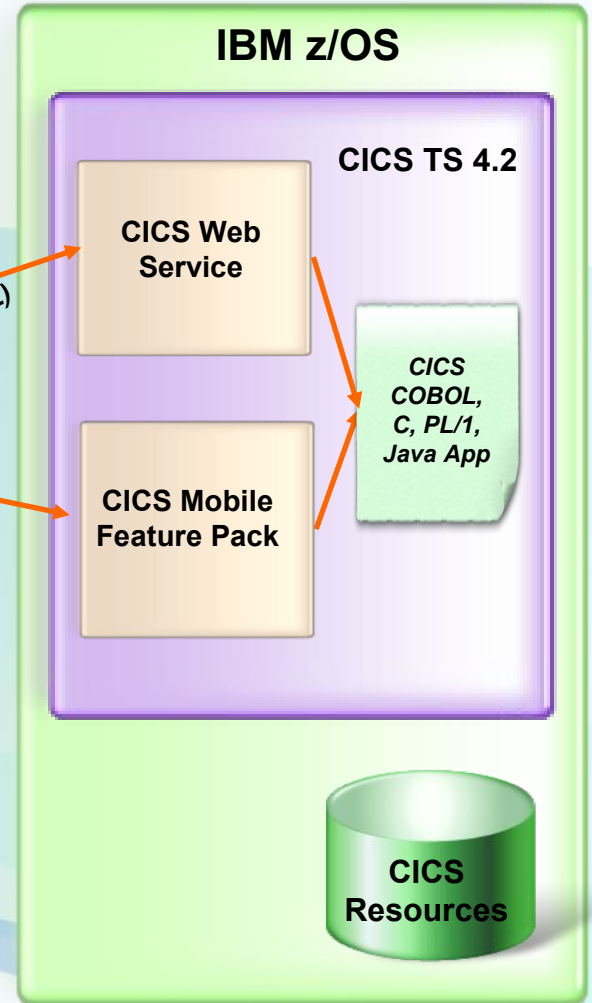
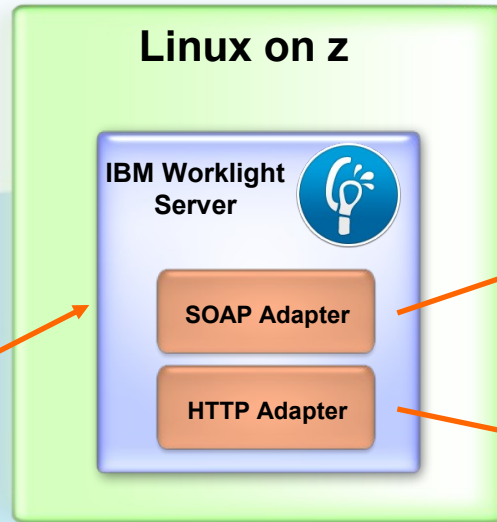
- **Adapters** are used to communicate to back-end services like databases, transaction systems, MQ, etc.
- **Data Transformation** - JSON is used to communicate to mobile devices – translation is done to HTTP or Web Services that are used by server components.
- Server and device **Security** control
- Controls Application Deployment and **Versioning**
- **Push Notification** administration
- **Analytics** including user adoption and usage data
- An **Enterprise App Store** for your B2E applications.

Worklight adds a Mobile UI to CICS Services

NEW – CICS Mobile Feature pack provides direct JSON connection to CICS.



Mobile Devices



<http://youtu.be/6TkQ9PzeevQ>

IBM CICS TS feature pack for Mobile Extensions (CICS TS 4.2+)
Further simplifies Worklight-CICS connectivity with JSON support in CICS.

Spotlight on.....IBM

IBM-WAVE Client Hands on Experience – Sign Up Now (paugusty@us.ibm.com)

The image displays three overlapping screenshots of the CSL-WAVE 3.2.0 software interface. The top-left screenshot shows the 'Current System View - "CCZVM"' with a grid of server icons and a 'Property Viewer' on the left. The top-right screenshot shows a 'Hardware View' with several server icons and their specifications, such as 'QLDRSV (55/55/83.33 GB FREE)', 'CSLM27 (501.62/666.70 GB FREE)', and 'SYSTEM (0.35/20.83 GB FREE)'. The bottom screenshot shows a network diagram with a central cloud labeled '192.168.38.0' and various server icons connected to it. A log window at the bottom of the bottom screenshot shows a list of system events.

Work Item Name	Initiator	Start At	End At	Duration	Status	Progress
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:30:02	2013-11-12 13:30:02	0 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:29:17	2013-11-12 13:29:18	1 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:28:07	2013-11-12 13:28:07	0 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:26:17	2013-11-12 13:26:17	0 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:26:00	2013-11-12 13:26:01	1 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:25:44	2013-11-12 13:25:44	0 seconds	Done	100%
Update CPC License for z/VM CPC	Fleader	2013-11-12 13:22:16	2013-11-12 13:22:17	1 seconds	Done	100%
Delete CSL-WAVE Managed Entry	Fleader	2013-11-07 17:49:58	2013-11-07 17:49:59	1 seconds	Done	100%
Delete Device Pool	Fleader	2013-11-07 17:48:28	2013-11-07 17:48:28	0 seconds	Done	100%
Add New Device Pool	Fleader	2013-11-07 17:47:10	2013-11-07 17:47:11	1 seconds	Done	100%

Hands on CSL-WAVE Environment now available

- Hands-on experience using CSL-WAVE on a System z EC12 through a set of structured scenarios
- RHEL and SLES based Linux on System z server images used to illustrate server deployment functions

Duration and Access

- Secure remote access over the Internet to IBM systems in Gaithersburg, MD from client site
- Guided exercises provide hands on experience with CSL-WAVE
- Two weeks of access at no charge to qualified IBM clients, and more time if needed
- Clients get access 24 hours a day, 7 days a week (except for occasional planned outages)

Spotlight on.....IBM

Check it out – Dig US

Mainframe50 – Redoux

EAL 4+ and EAL5+ Certification for BC12 and EC12

BSI-DSZ-CC-0900-2014 - PR/SM for IBM zEnterprise Certification

Clipper Group: IBM zEnterprise is enterprise cloud infrastructure

Masters Ads.....62 spots....'Made with IBM'

System z Events:

Webinar: Mobile Computing on System z with IBM Worklight

Event date: April 29, 2014 at 12:00 PM EDT- 01:15 PM EDT or 07:00 - 08:15 UTC

Developed for: Linux on System z Customers: IT Manager, IT Administrator, System Administrators, IBMers, Business Partners

Technical level: Intermediate

System z can host a mobile environment and enable end-to-end secured solutions from mobile devices to back-end services. The mobile environment on Linux on System z can access existing core applications making them available to a high variety of different mobile devices. With IBM Worklight you can integrate your core applications and data servers with mobile applications.

Wilhelm Mild, Executive IT Architect, IBM Germany, hosts.

<http://ibmstg.adobeconnect.com/mobilecomputingz0429e/event/registration.html>

Webinar: IBM Capacity Management Analytics for zEnterprise: A cost-effective solution for optimal performance

Event date: April 22, 2014, 11:00 a.m. EST / 4:00 p.m. GMT

Developed for: CIOs; IT and enterprise architects and managers; IT strategists; IT managers

Technical level: Basic

From the data center executive, to systems managers and system administrators, IBM can help you manage your zEnterprise® investment more efficiently and cost-effectively through a single, integrated solution

<http://bit.ly/1ICK0QK>

System z Events, part ii:

Webcast: Principal Financial Group heightens analytics impact with IBM DB2 Analytics Accelerator

Event date: Wednesday, April 29, 2014 11:00 a.m. EST / 4:00 p.m. GMT

Developed for: CIOs; IT and enterprise architects and managers; IT strategists; IT managers

Technical level: Intermediate

The IBM hybrid approach enables DB2 customers to bring analytics to the most current data – accelerating complex queries up to 2000x faster – for more timely, accurate and secure insight. If you are a DB2 customer and have not yet evaluated this revolutionary technology, this webcast is for you. IBM host: Shantan Kethireddy, Principal Financial: Pam Kahler, Assistant Director of IT

<http://bit.ly/1njL9uU>

Webcast: Learn how to take a test drive of the IBM Integrated Solution for System z Development

Event date: April 30, 2014, 11:00 a.m. EST / 4:00 p.m. GMT

Developed for: Application developers, testers and managers; system administrators

Technical level: Basic

The IBM® Integrated Solution for System z Development Trial, which is free to general users, provides fully-scripted guided tutorials that allow you to learn efficiently what a modern integrated z/OS development software environment can do for you.

<http://ibm.co/1dwED14>

System z Events Searchable Events Calendar

Wildfire Classes:

Workshops offered during this period are:

Oracle and Cloud Computing on zEnterprise	(LXCL01)
WebSphere Application Server for z/OS	(WBSR8)
Data Governance for System z Workshop	(DGSYSZ)
Customizing Linux and the Mainframe for Oracle DB Applications	(LX0R6)
*CICS and JAVA Workshop -NEW-	(CICSJAV1)
Security Workshop: WebSphere Application Server for z/OS	(WSW08)
**CICS Integration Workshop -NEW-	(CICSINT1)
***IBM Operational Decision Manager (ODM) for z/OS	(ZODM80)
Business Process Manager for z/OS V8 Workshop	(ZBPM8)

***Dublin, OH: June 3, Southfield: June 5**

****Southfield: April 22-24**

*****Cambridge, MA: May TBD**

Mark, your Calendar:

Upcoming Events/Conferences:

Impact (Websphere)–Vegas	Apr 27-May 1, 2014
Edge (Storage and Infrastructure)-Vegas	May19-23, 2014
VM Workshop – Greensboro, NC	June 26-28, 2014
Enterprise 2014 – Vegas	October 6-10, 2014

CAVMEN – Linux on System z Update



Questions?



Paul S. Augustyniak
Linux on System z New Workload Leader
North America IOT
16 January, 2014