



| z Systems

Experiences With IBM Wave Customer Panel

SHARE Seattle
Linux & VM Program

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z Systems Architecture and Technology



IBM Wave Overview

IBM Wave simplifies and helps automate management and administration of z/VM and Linux virtual servers

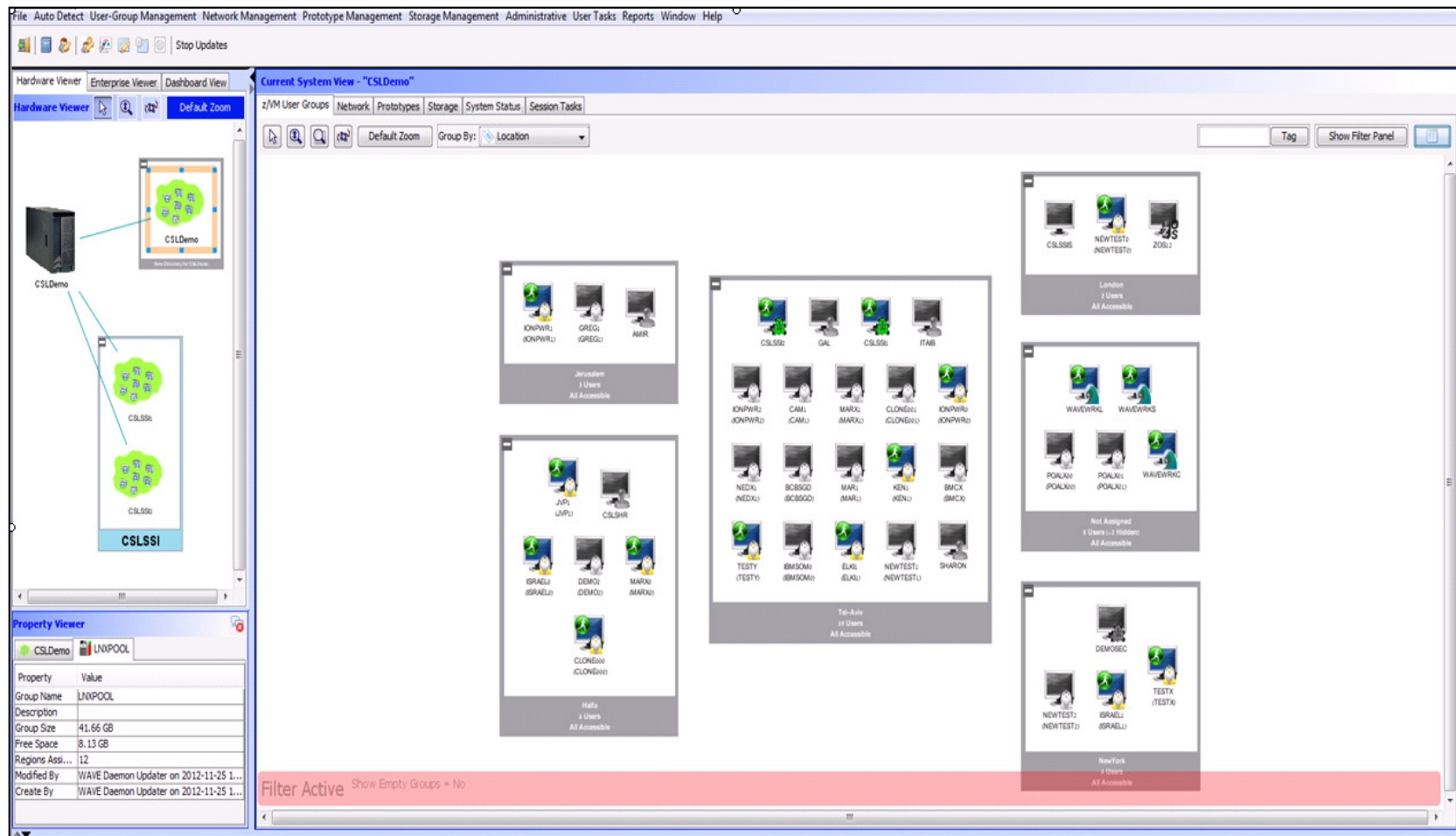
New user interface extends the reach of administrative staff

Enables intuitive and cost-effective management, reducing the need for deep expert skills

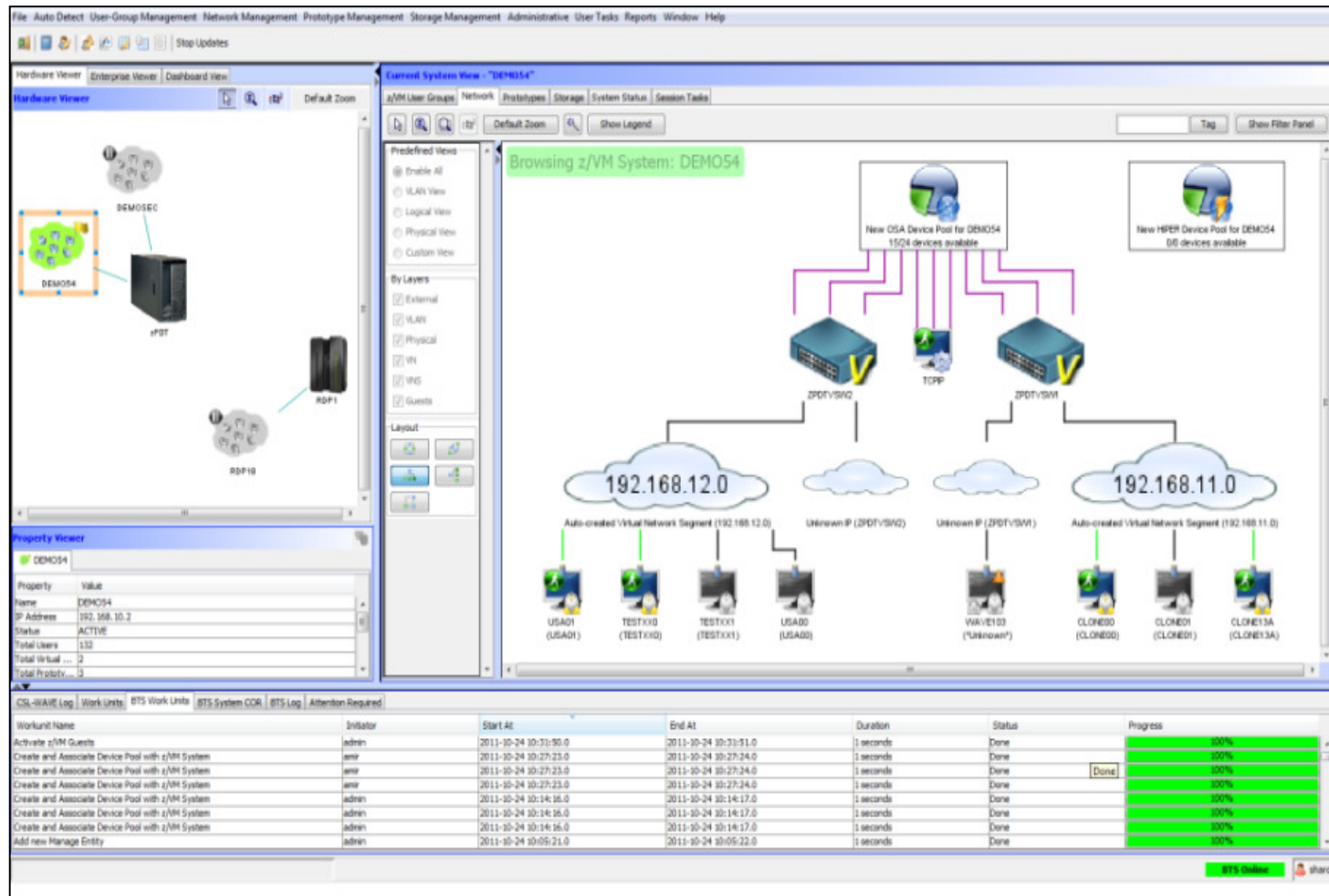
- **Monitors and manages virtual servers and resources from a single interface**
- **Simplifies and automates administration and management tasks**
- **Provisions virtual resources (Guests, Network, Storage)**
- **Supports advanced z/VM capabilities such as Single System Image and Live Guest Relocation**
- **Allows delegation of administrative capabilities to the appropriate teams**

A simple, intuitive graphical management, provisioning, and automation tool to help you fully leverage the power of z Systems virtualization on z/VM.

Guest Repository



Network Topology



Guest and z/VM Storage Management

The image displays three overlapping windows from the IBM Storage Management Console:

- DASD Volume Map View for LINCPT:** A graphical representation of storage architecture showing connections between LINCPT guests, storage controllers, and physical DASD devices.
- Create New FCP Partition:** A dialog box for configuring a new partition. It shows FCP device paths (Device: 4101, WWPN: 0x5005076802306490, LUN: 0011000000000000) and partition definitions (Standard Partition, LVM). File system options include FS Type (ext3) and checkboxes for 'Mount on' and 'Add new filesystem to /etc/fstab'.
- Manage z/VM User LINC3L2 Storage:** A window showing general information and a table of Linux file systems on the server.

Linux File Systems Table:

Device	FS Type	Size (GB)	used (GB)	Free (GB)	Type	Storage Type	Mount Point	Status (Capacity)
/dev/daeda1	ext3	1.35	1.01	0.38	STD	OKD	/	74%
proc	proc	0.00	0.00	0.00	STD	OKD	/proc	0%
sysfs	sysfs	0.00	0.00	0.00	STD	OKD	/sys	0%
debugfs	debugfs	0.00	0.00	0.00	STD	OKD	/sys/kernel/debug	0%
udev	tmpfs	0.71	0.00	0.71	STD	OKD	/dev	0%
devpts	devpts	0.00	0.00	0.00	STD	OKD	/dev/pts	0%
fusectl	fusectl	0.00	0.00	0.00	STD	OKD	/dev/fuse/proc...	0%
securityfs	securityfs	0.00	0.00	0.00	STD	OKD	/dev/fuse/proc...	0%

System Health Dashboard



IBM Wave Sessions in Seattle

- **16466: Advanced z/VM Systems Management with IBM Wave for z/VM**
 - Tuesday, March 3, 2015: 3:15 PM-4:15 PM – Metropolitan A
- **16407: Experiences With IBM Wave Customer Panel**
- **17182: Breakfast and Learn: Simplifying Virtualization Management for Workload Consolidation on Linux on System z**
 - Wednesday March 4 7:15 AM-8:15 AM – Metropolitan A
- **16472: Managing a z/VM and Linux on z Systems Environment Using IBM Solutions - Hands-on Lab**
 - Wednesday, March 4 4:30 PM-5:30 PM – Redwood

Our Panel

- **Steve McGarrill – IBM z Systems Client Center**
- **Eduardo Oliveira – IBM Wave Tiger Team**
- **Phil Tully – ADP**