

Cloud Enabling z/VM the *Easy* Way

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Agenda

- **Why zPRO?**
- **z Cloud Management at its Finest – zPRO Highlights**
- **Installs in about 10 mins or less? *Really?***
- **A vision of what's to come**

zPRO – a little story first

It is all about zPRO!

Welcome to Simple Yet Powerful

Simple, Fast, Lightweight, Powerful and Reliable
This is the premise of zPRO and our
commitment to you

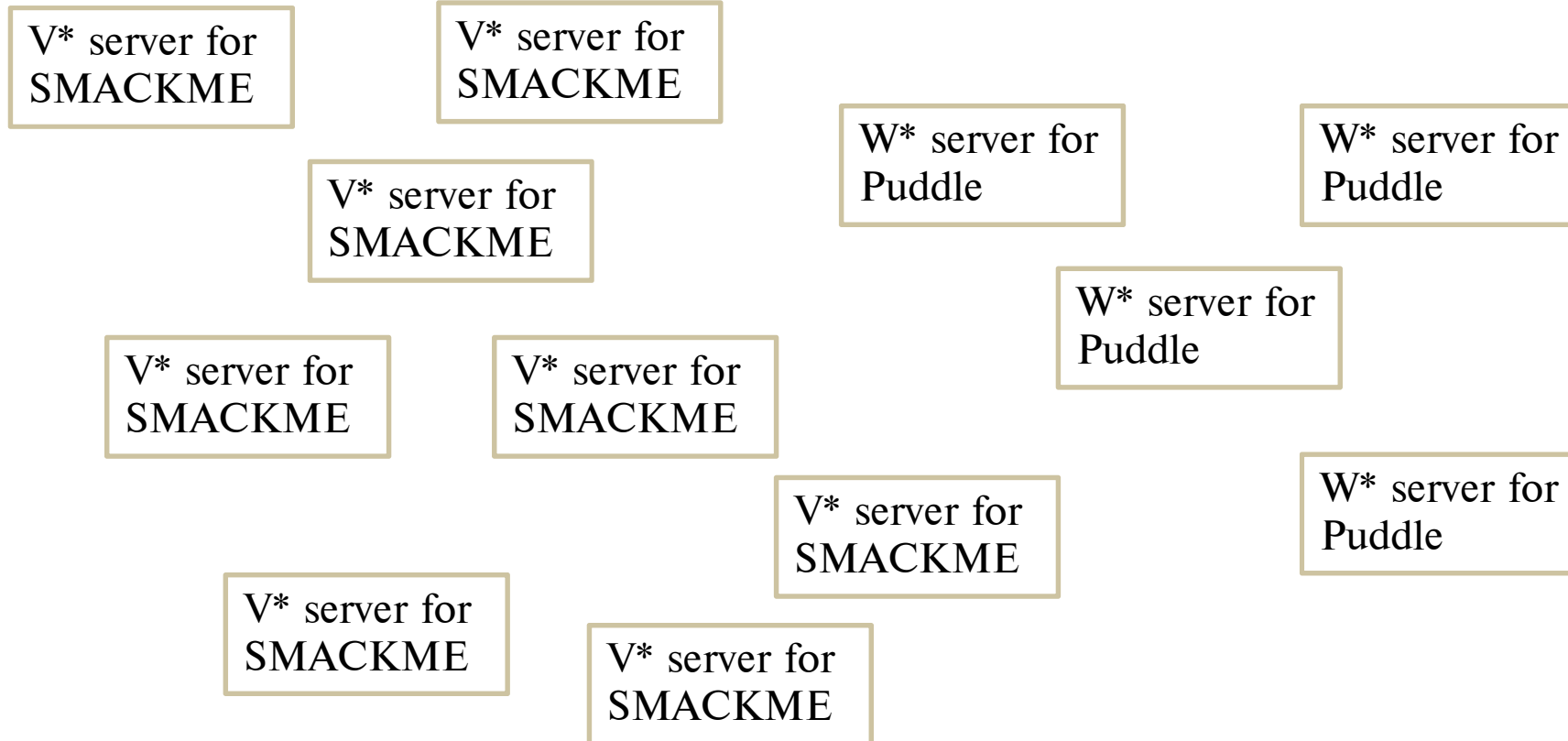
How Simple Could it Be?

- **zPRO leverages the *strengths* of z/VM**
 - All the great tools in z/VM, CMS, REXX, Pipelines, networking capabilities, memory management, communications – we use it all and more
 - Very dynamic and easily *extensible*
 - zPRO allows you to define exits and additional APIs (in REXX), process-windows (called DIRMODELS) and more, to fit your specific needs
 - Velocity Support will gladly assist with anything you need

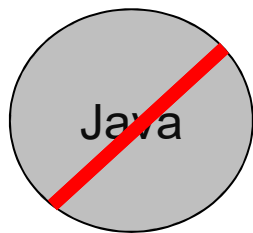
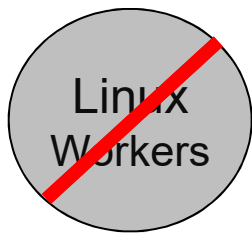
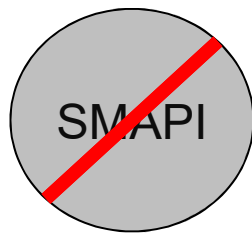
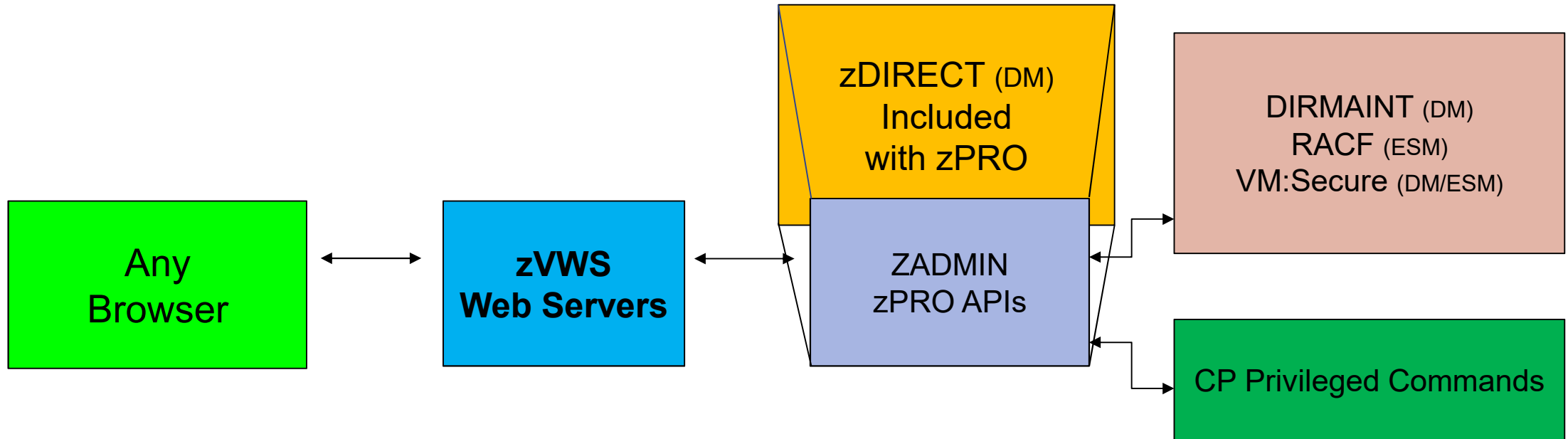
Keep It Simple!

- **What you DON'T want to deal with:** “If an [HAL PUDDLE] action fails with a return code of -3, verify that you have enough [SMACKME] worker machines to handle the workload. If needed, add more [SMACKME] worker machines.”
- **zPRO** uses workers for tasks too and if it needs more, it *dynamically adds more* and then removes them when complete
 - You don't have to dread real work failing and then have to react after it happens

Installation – The Not Simple Way



zPRO's Structure – Simple!



zPRO Highlights

- **Enables quick solutioning and *Empowerment***
 - zPRO makes managing Linux on z *very easy* for systems programmers, end-users, operations, management – really anyone. It allows you to designate privileges to other users to build and manage their own servers within the guidelines and scope established by YOU
- **zPRO Focuses on Three Main Cornerstones:**
 - **Simplifying access** and acceptance of the mainframe for new, younger and possibly less skilled team members through a browser-based interface
 - Providing a cloud-based facility for mainframe **training**, especially around cloud and guest management
 - Simplifying daily tasks by **empowering** end-users to manage their own guests while *you* still control authorities and resources (Functional Decentralization)

zPRO Highlights

- **Little or no z/VM system knowledge needed**
 - Fills in for any lack of z/VM skills
 - Do *YOU* need to be concerned about that?!
- **Reduces time in dealing with cloud management**
 - z/VM Systems Programmer time is freed up
 - Self-service models allow others to provision and manage with defined controls/authorities

zPRO Highlights

- ***Empowers others***
 - Unix/Linux admins, Application groups, Operations and more
- **Give access to non-Sysprog users/groups**
 - No special z/VM authority required for users/groups
 - Define resource boundaries for groups and users
 - Each group and user can use the same or specific
 - Resource Pools
 - Resource Limits – even by server
 - Users manage *their own* resources and servers
 - Can clone and manage their own servers how and whenever they need
 - You/management define what they can and can't do or use

zPRO Highlights

- **Utilizes the zVWS *native* z/VM web server**
 - UI is completely browser-based (remember, no Java Elephant!)
 - **Installs in about 10 minutes***
- **Authentication support via zVWS**
 - VM / LDAP / AD / your own
- **Exceptionally Extensible (™ 😊)**
 - Can define and “plug in” site-defined services
- **Supports common directory/security management**
 - zDIRECT is *included* for Directory Management - with or without RACF

zPRO Highlights

- **z/VM Cloud Server Management**
 - Clone (provision), modify, start, stop, move, delete servers
 - Linux w/Oracle, Websphere, etc – any z/VM guest
 - Define server expirations
 - Useful for LAB, test or proof-of-concept servers
 - Selective resource controls and quota management
 - SSI / LGR (live guest relocation) support

RESTful API Interface

- **Connect from an appliance or trusted application**
 - Standard RESTful API structures (JSON)

Audit_log

Guest_add_disks

Guest_clone_disks

Guest_create

Guest_delete

Guest_delete_disks

Guest_get_console

Guest_get_info

Guest_get_power_state

Guest_list

Guest_run_state

Guest_show_definition

Host_get_info

Image_list

image_show_definition

Job_queue

Version

...more

zPRO is simple, right?

I mentioned zPRO *is Simple*, so let's see it for real!

Customer case stories

- “I need to focus on bigger projects, not trivial stuff like build new servers, or restarting them”
- Offsite Linux support people calling at ‘stupid hours of the night’
- Linux admin team waiting for new servers from one z/VM guy
- Need to prove Linux on Z is not only viable, but better than AWS cloud solutions

zPRO addressed all of these and more!

zPRO Road Map

- **Coming in Version 4!**
 - Enterprise Control - Cross Origin Resource Sharing (in test)
 - UI smoother, cleaner, faster (in test)
 - SSI cluster “single image” view (in test)
- **Catalog for Gold Images and Servers (CMDB)**
- **Full Management Report Catalog**
- **Additional z/VM controls (RACF, SFS, Spool, etc)**
- **Command-line interface for zDIRECT**
- **MUCH more!**

Summary

- **zPRO is Simple, Fast and Powerful to manage your z/VM host and servers**
- **Real customers agree:**
 - ***“zPRO has spoiled me”*** from a Linux Admin that was given access to build and manage application/DB servers
 - ***“zPRO lets me focus on bigger, time-consuming projects”*** from a z/VM Sysprog
 - ***“After I gave zPRO access to our off-shore support teams, I have not had 2AM phone calls asking for help”*** from a z/VM Sysprog
 - ***“We are using zPRO to make a case for [solutions] that require data to be stored more securely instead of [in] the AWS cloud.”*** from a z/VM & Linux Admin

Questions / Comments?



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zPRO Demo Site:

<https://demo.velocitysoftware.com/zpro/>

zPRO Virtual Demo PDF:

<https://velocitysoftware.com/zprodemo.pdf>

zPRO info:

<https://velocitysoftware.com/zpro.html>

