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SIMPLIFYING NEW SERVER DEPLOYMENT

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presented by



Agenda

Problem

Solution Options

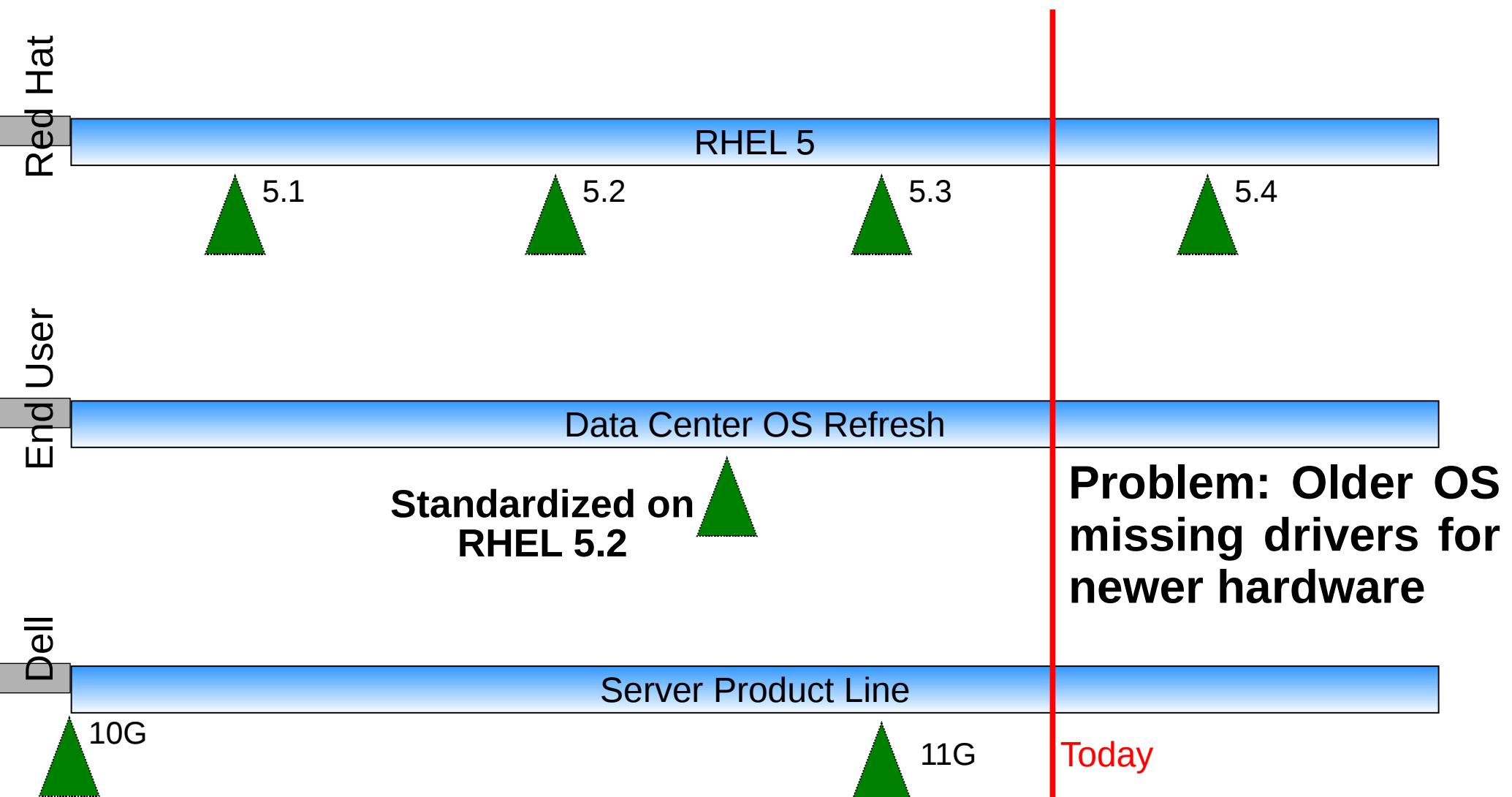
DKMS & Red Hat Driver Update Program

Dell Lifecycle Controller

Virtualization

Future Directions

Situation: OS Deployments Lag New Hardware



Goal: Meet the needs of both the user's application and the hardware

Solution Option: DKMS & Red Hat Driver Update Program

Dynamic Kernel Module Support

Tool to assist backporting drivers to older OS versions

Build Driver Disks and RPMs for deployment

Red Hat Driver Update Program

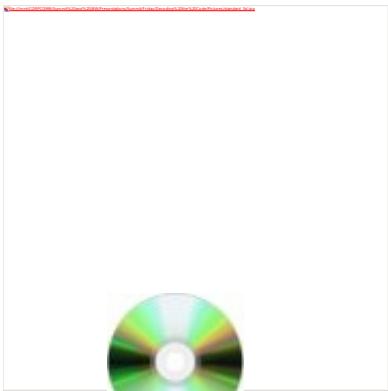
Driver developers use DKMS to prepare Kernel Module Packages

End Users receive drivers, built, tested and supported by Red Hat

**OS Installation is still a manual process
Most suitable for individual deployments**

Solution Option: Dell Lifecycle Controller

OS Installer CD
Drivers



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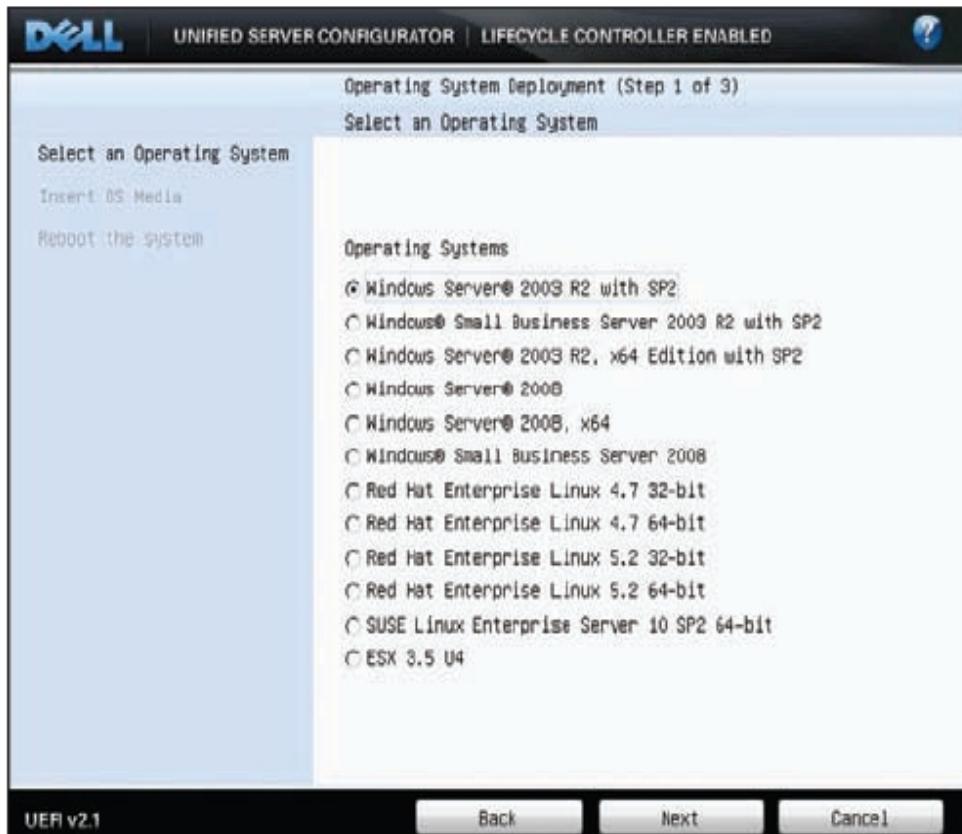
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Lifecycle Controller
Provides Drivers

Seamless, installed
OS with all necessary
drivers, without using
a driver disk.

Dell Lifecycle Controller



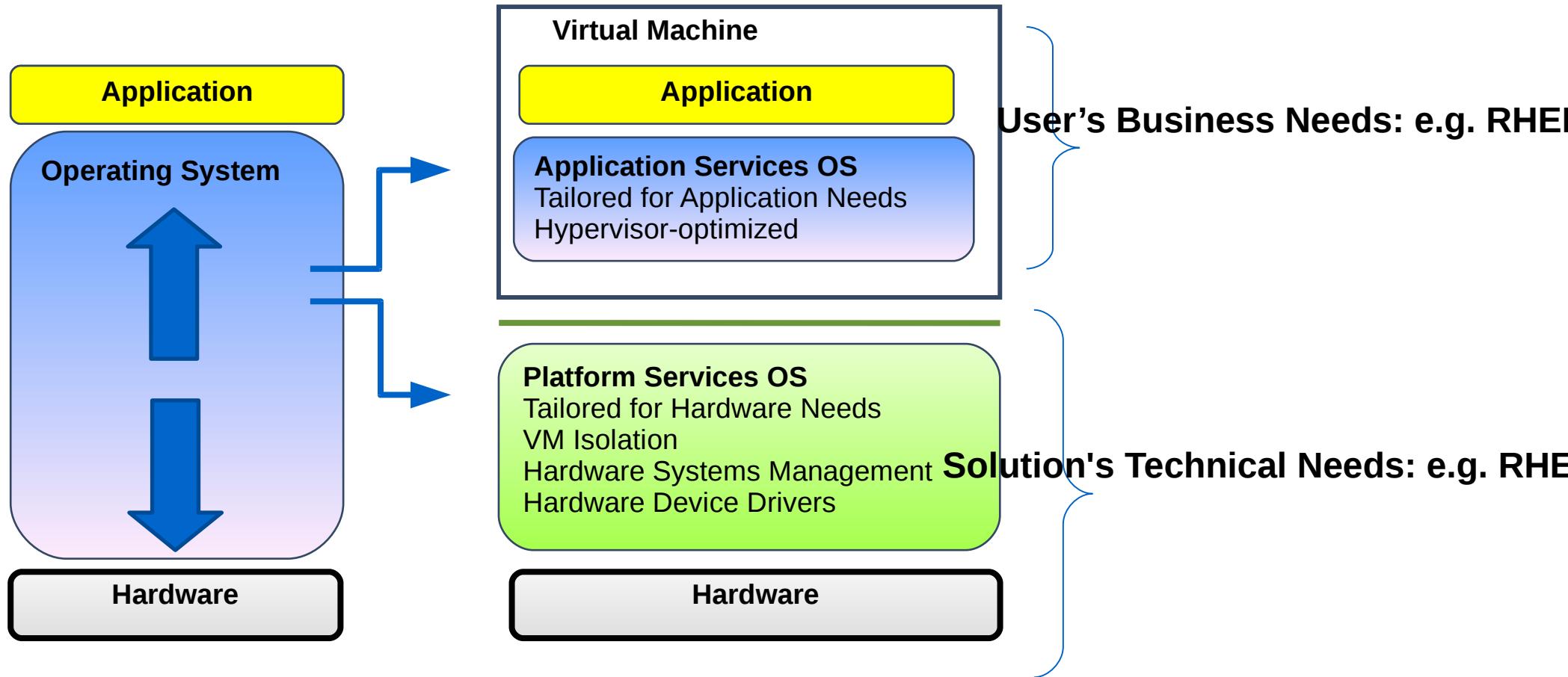
Latest drivers automatically downloaded from dell.com before installation



Anaconda automatically looks on LLC for drivers



Solution Option: Virtualization



Reducing Complexity through decomposition
Simplifying User OS Image Management

Future Integration

IDRAC 6 Enterprise with 1GB Vflash

- Secure, PXE-less network deployments

- Remotely stage your own content

Firmware-Tools: Dell Firmware Update Framework

- YUM & RPM-enabled

Linux Foundation Driver Backport Working Group

- DKMS developer tool

- Works across distributions and versions

For More Information

Dell Lifecycle Controller

<http://dell.com/openmanage>

Red Hat Driver Update Program <http://dup.et.redhat.com/>

DKMS

<http://linux.dell.com/dkms>

Firmware-Tools

<http://linux.dell.com/firmware-tools>

Linux Foundation Driver Backport Working Group

<http://www.linuxfoundation.org/collaborate/workgroups/driver-backport>

QUESTIONS?

TELL US WHAT YOU THINK:
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