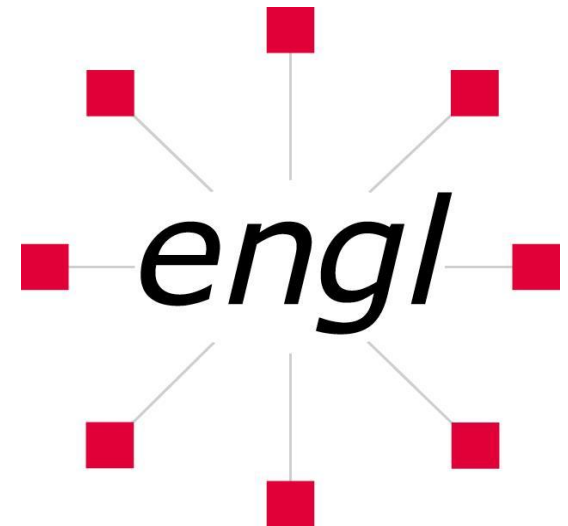


Smart Windows 7 Deployment ENGL Imaging Toolkit for ZENworks

Heath Upton
ENGL

Steve Thompson
ENGL



Windows 7 Deployment Demonstration

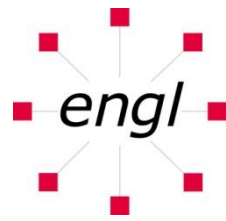
ENGL Imaging Toolkit



What is deployment?

- More than just putting an image on a machine
- Delivery of defined desktop environment to all hardware types
 - Operating System
 - Configuration (security, look and feel, resources etc.)
 - Corporate applications
- A process that should be completely automated
- A process that should cater for all deployment scenarios
- A repeatable process so all machines really are the same

ENGL Imaging Toolkit 6.0



What's New

- Windows 7
- Windows Server 2008 / R2
- ZENworks 10 Configuration Management (10.3) Beta
- Build Console (replaces Build Wizard)
- Driver management
- Satellite Role creation

ENGL Imaging Toolkit 6.0



Why do you need it?

- Only Windows deployment solution designed for ZCM
- Turn key solution for Windows 7 / Vista / XP deployment
- Integrates with ZCM imaging and application installation
- Modular approach = easy to configure/update/distribute
- Use one process to build many functional machine roles
- Create a totally automated build within a few hours

ENGL Imaging Toolkit 6.0

Requirements



ZENworks versions

- ZENworks 10 Configuration Management SP1 or later
- ZENworks 7 Desktop Management SP1 or later

Deployable Operating Systems

- Windows 7 Professional, Ultimate and Enterprise
- Windows Vista Business, Ultimate and Enterprise
- Windows XP Professional and Tablet edition
- Windows Server 2003, 2008 and 2008 R2
- 32 and 64-bit support

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Approach



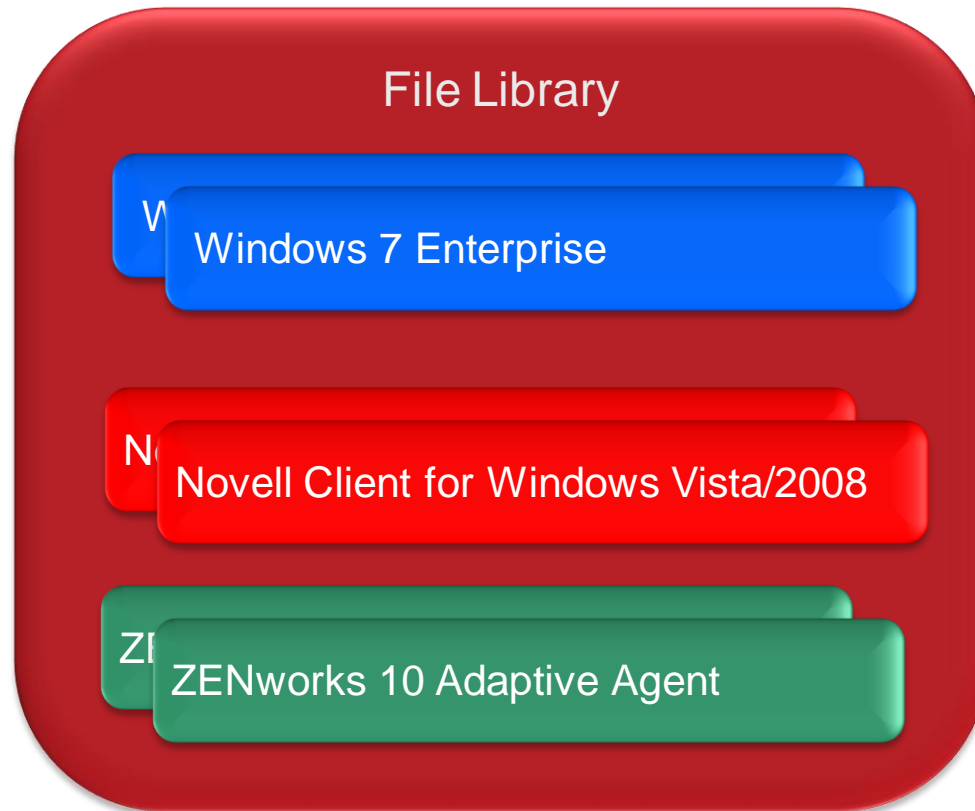
Create deployment components

- Windows 7 base image
- Drivers image(s)
- Hotfixes
- ZCM Agent image
- Build Process image

ZCM Integration

- Bundles for deployment process
- ZCM imaging integration

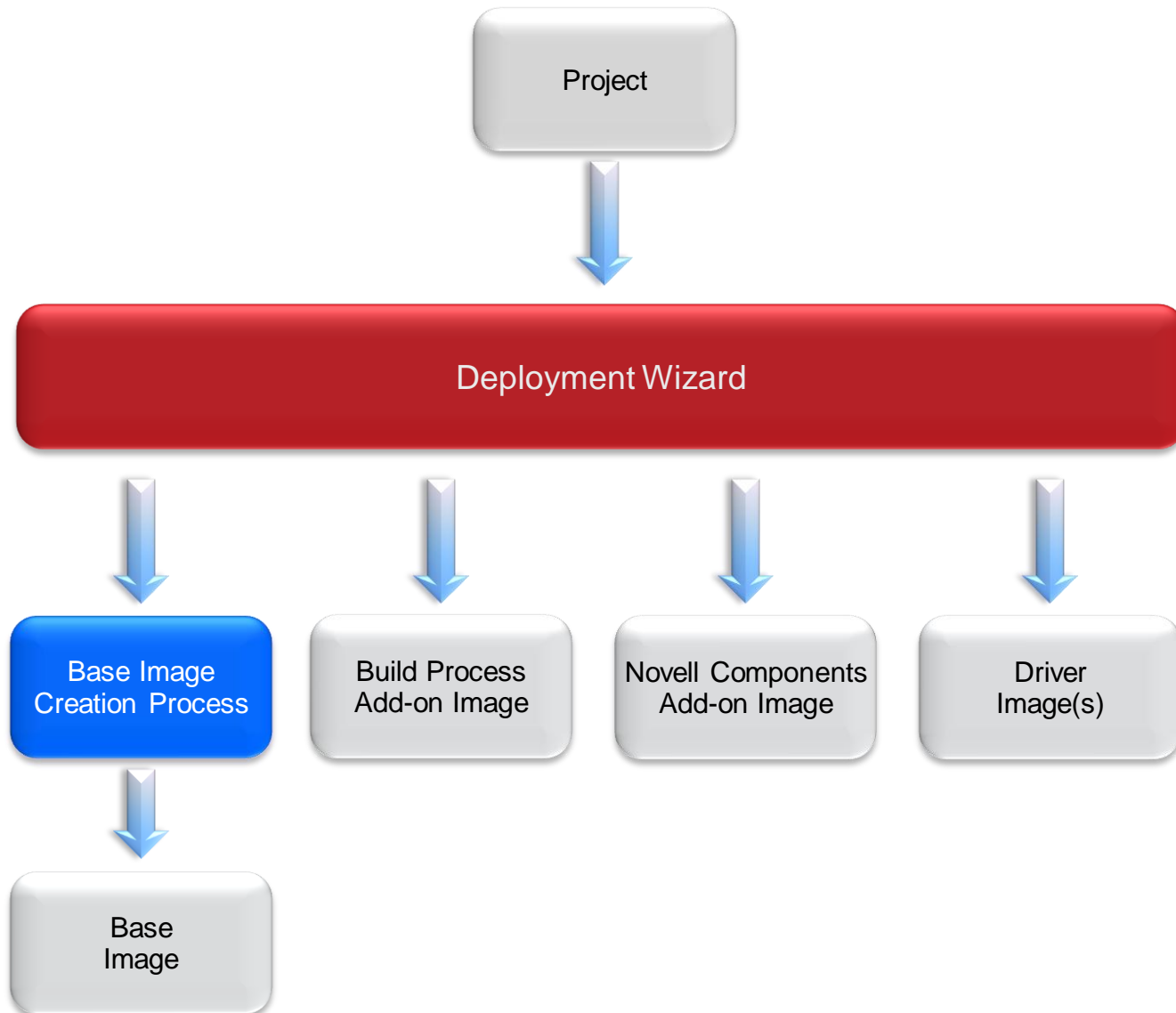
Build Console



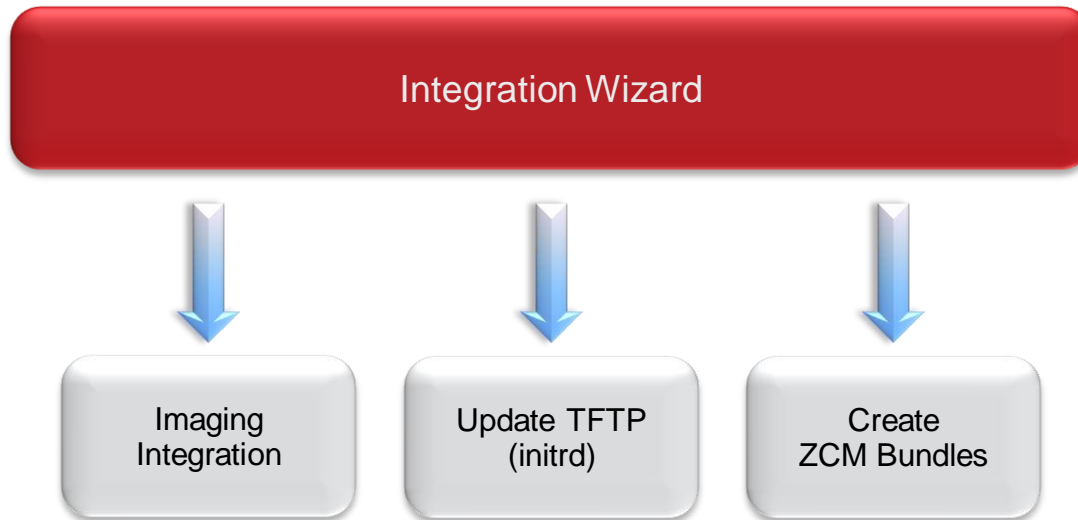
Build Console



Build Console



Build Console



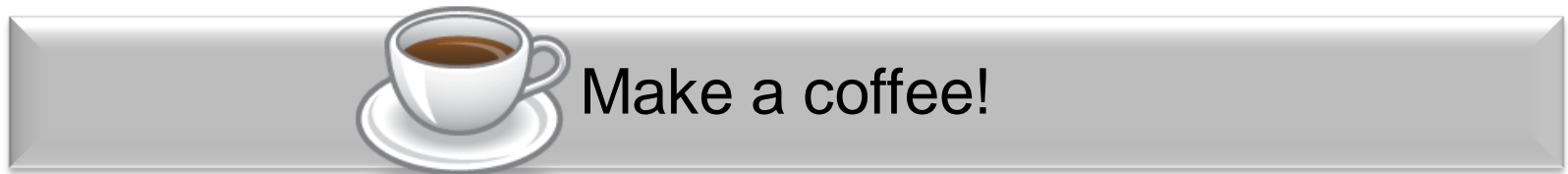
Build Console Demonstration

Windows 7 Base Image



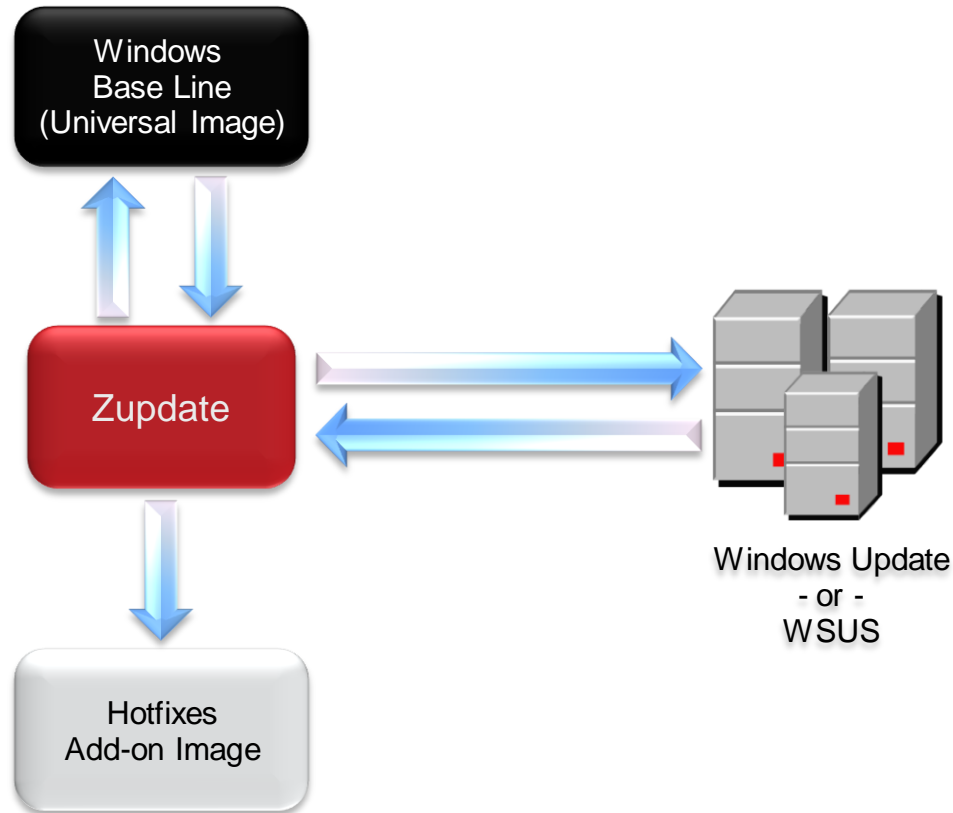
Created in 3 simple steps...

- Insert USB key containing Windows 7 unattended installation files (created by Build Console)
- Boot from Windows 7 media

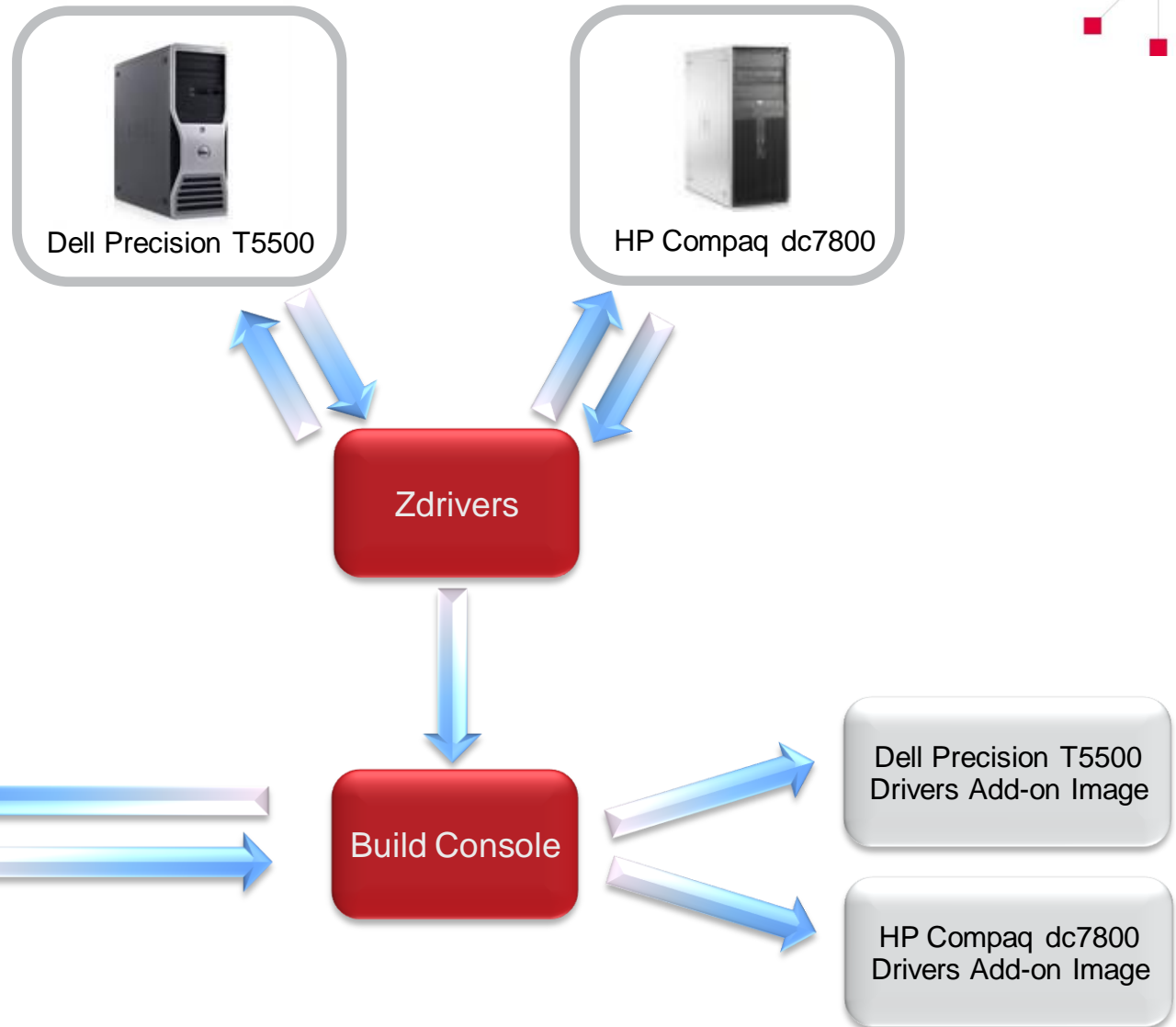


- When prompted create ZENworks base image

Windows Hotfixes Image Creation



Driver Image Creation



Driver Management Demonstration

Imaging Integration

Imaging Integration



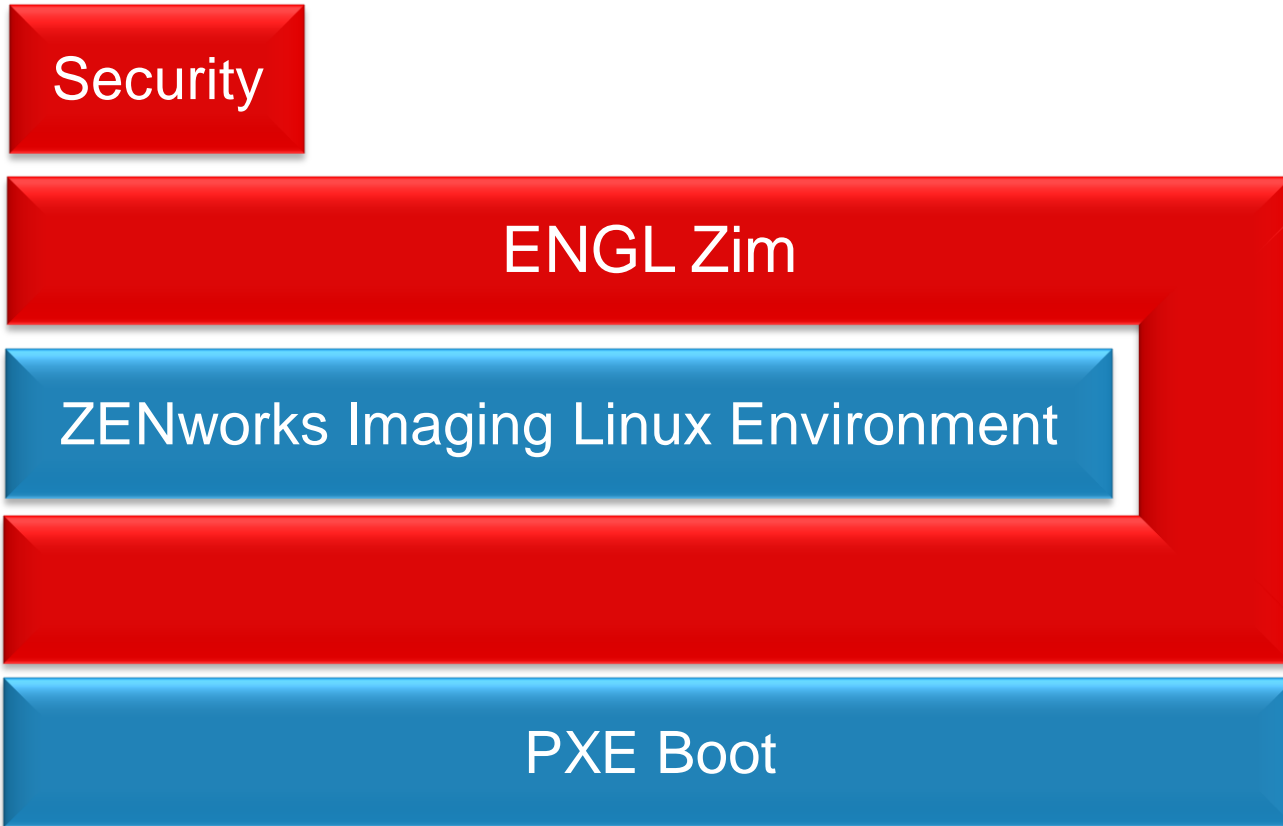
BASH Prompt

ZENworks Imaging Linux Environment

Preboot Services Menu

PXE Boot

Imaging Integration



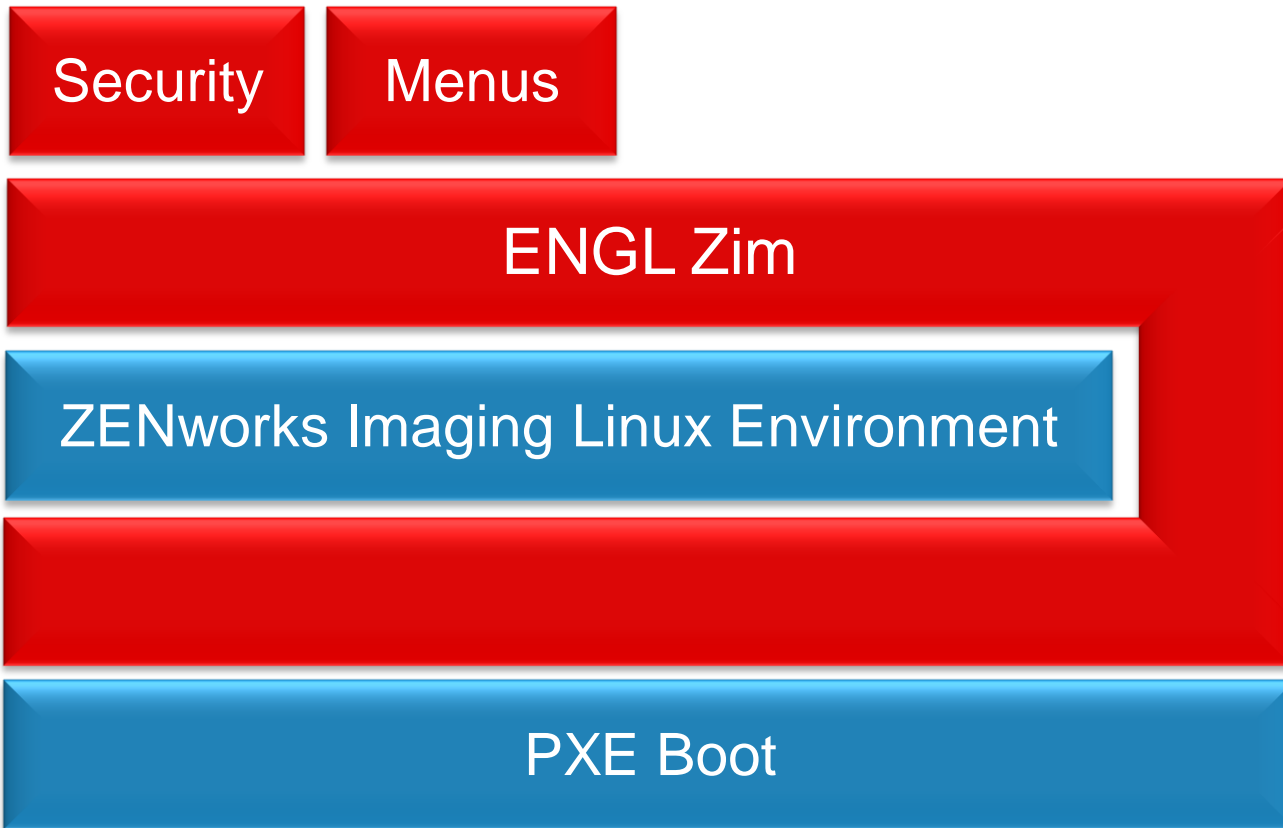
[■] Authorised Login Only!

Username: builduser

Password: *****

Ok Cancel

Imaging Integration



Main Menu

1. Restore Menu ▶ ▲
2. Maintenance Menu ▶ ■

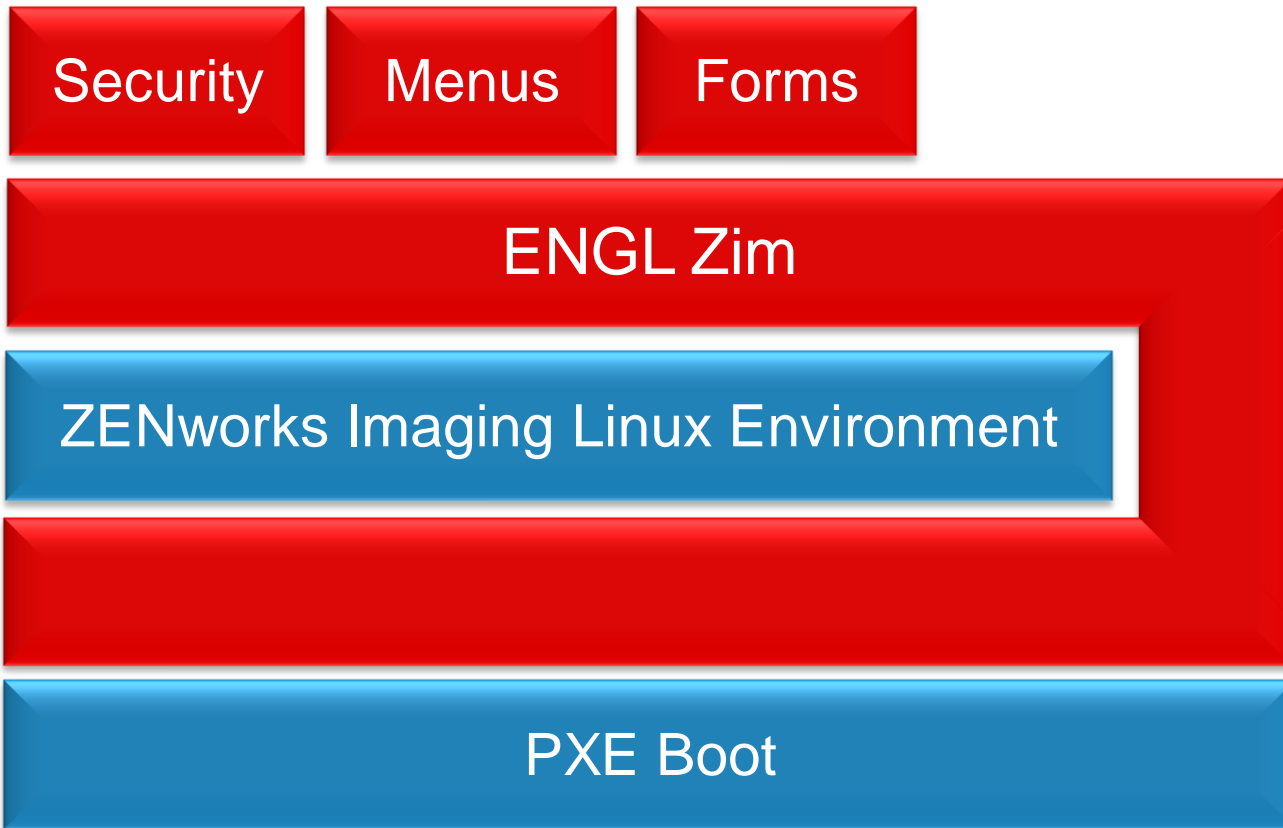
3. Logout ▼
4. Reboot ▼

[]

Maintenance Menu

1. Development Menu
2. View Workstation DMI information
3. Clear ZENworks Image-safe Data
4. View ZENworks Image-safe Data
5. View ZENworks inventory
6. View ZENworks disk geometry & partitions
7. Run ZENworks imaging engine (img)
8. Exit to prompt
9. Return to Main Menu

Imaging Integration



[■] Hardware Detected

Manufacturer : VMware, Inc.

Model : VMware Virtual Platform

Hardware Image : drivers-vmware

Hardware Type : desktop

Computer Name : ENGL-001

Windows version:

win7 vista xp w2k3

Architecture:

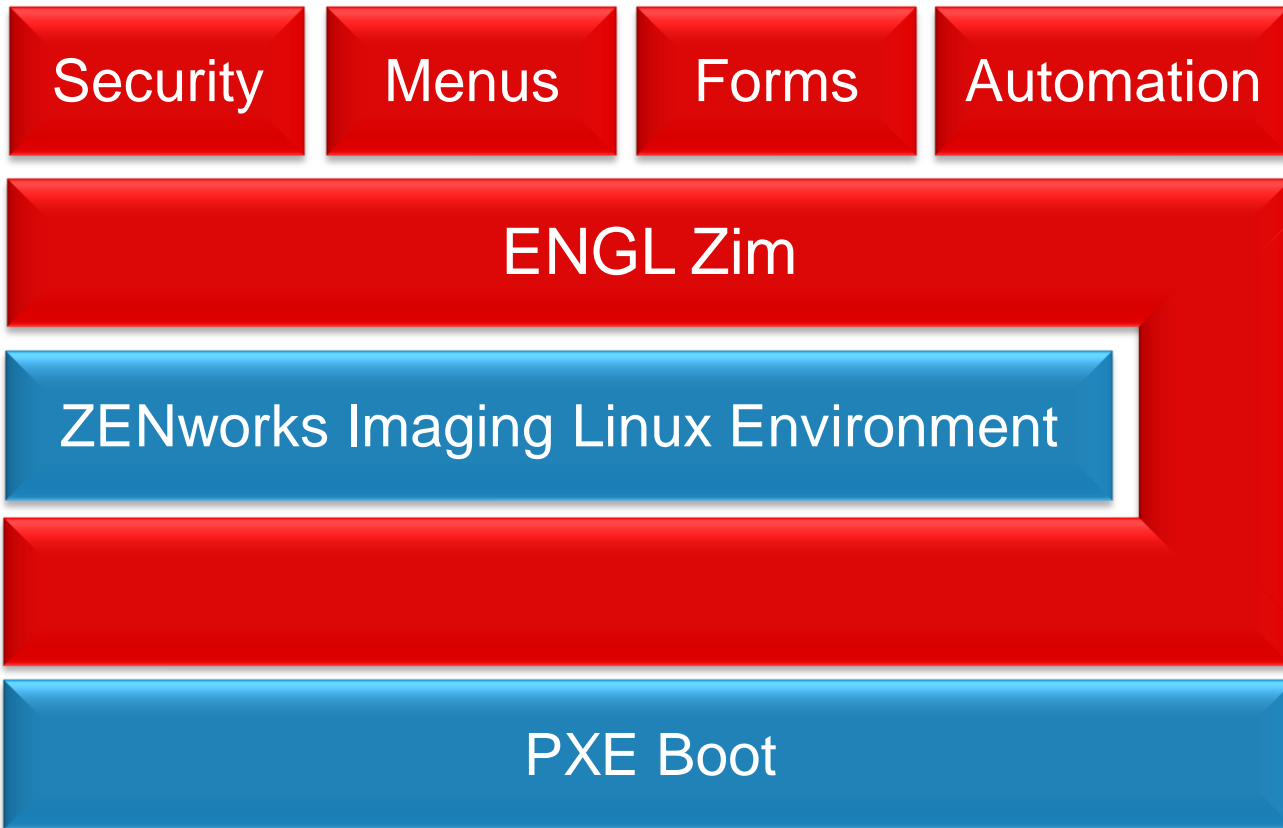
x86 x64

Auto Restart after imaging:

Yes No

Ok Cancel

Imaging Integration

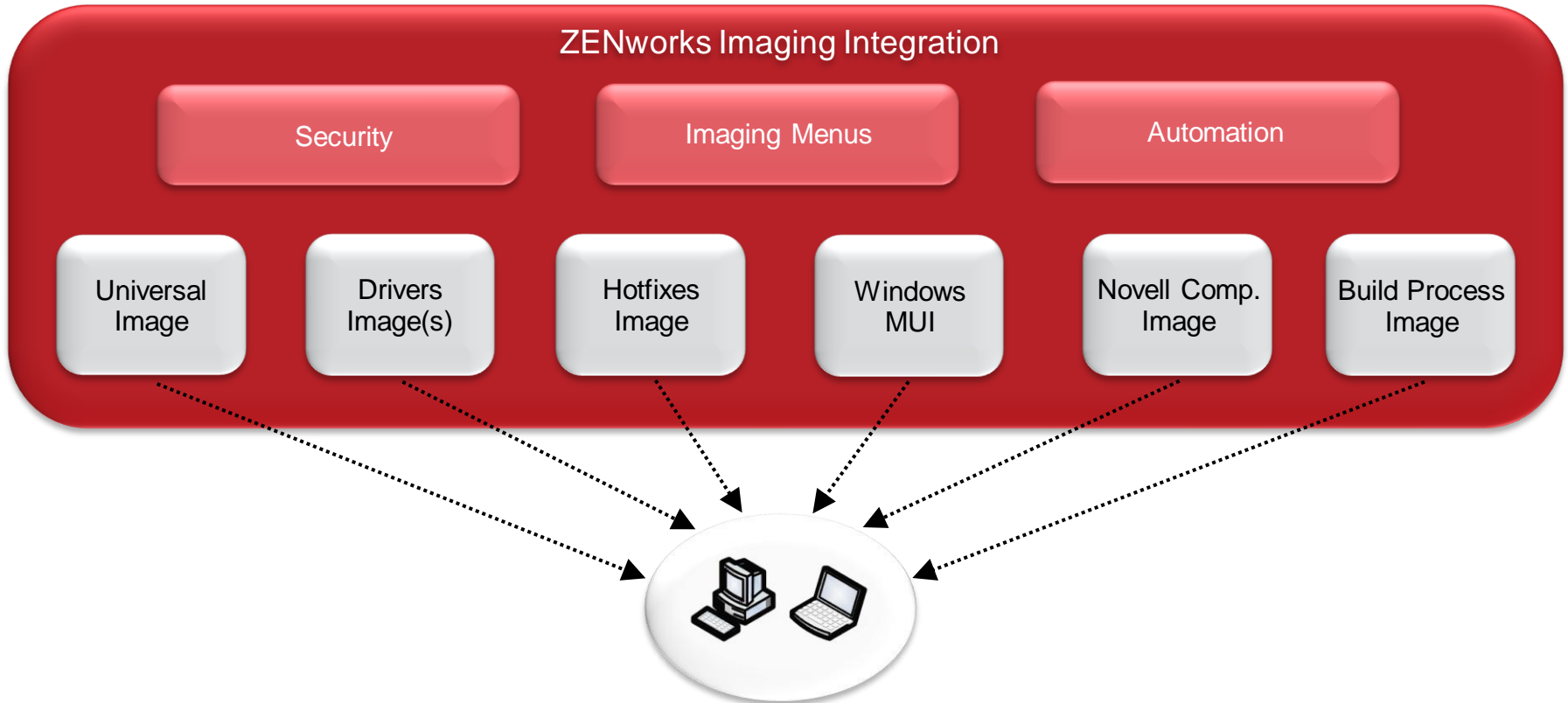


Deployment

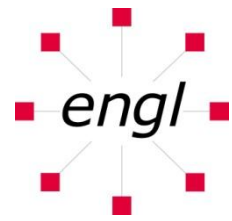
Deployment



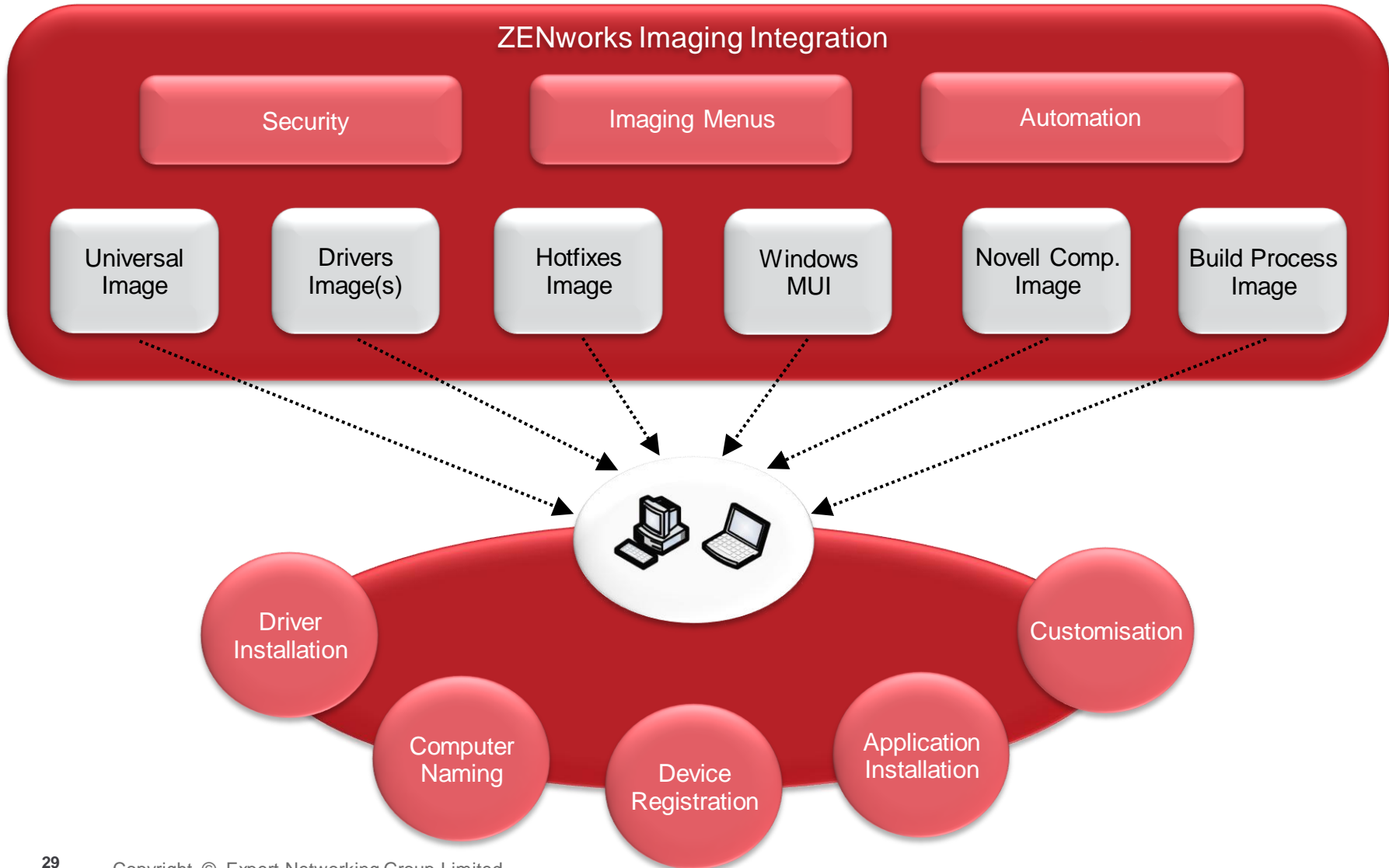
ZENworks Imaging Integration



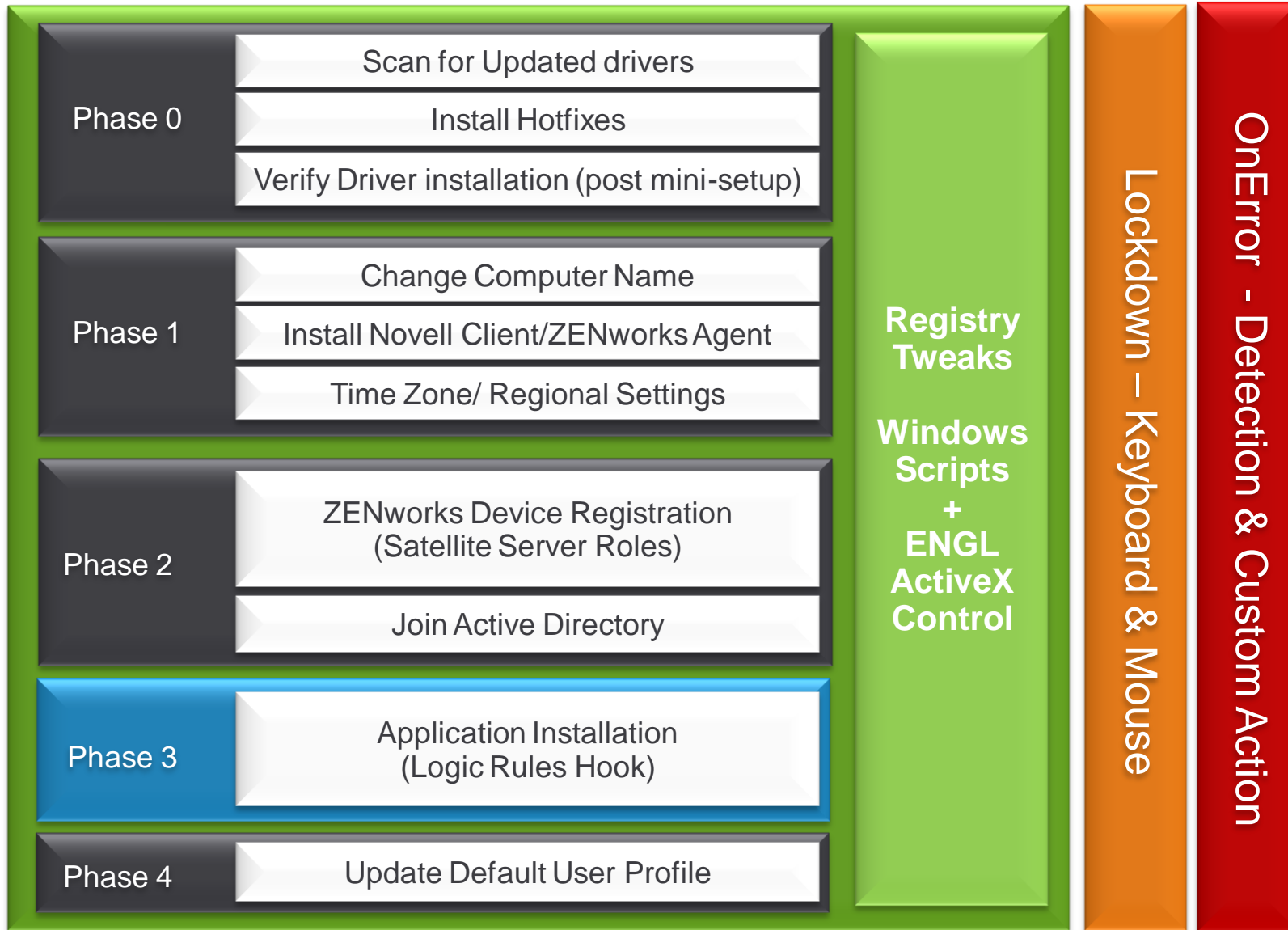
Automated Build Process



ZENworks Imaging Integration



Automated Build Process



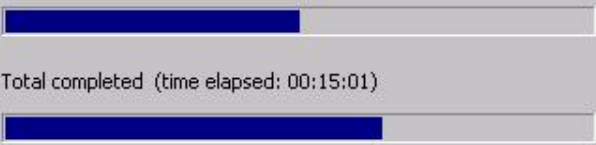
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Installing Windows, please wait...

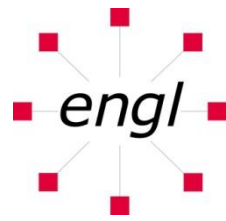
Application Installation

- ▶ Installing Acrobat Reader

Total completed (time elapsed: 00:15:01)



Benchmarks



Based on

- Customer production environments (average times)
- 100 Mbit/s LAN connections
- ZENworks image restore and Microsoft Office installation (as part of build process)

Windows 7 Professional

- 60 minutes

Windows XP Professional (SP3)

- 45 minutes

More information



More Information

Useful links

- Product information, Downloads, Evaluation Guides

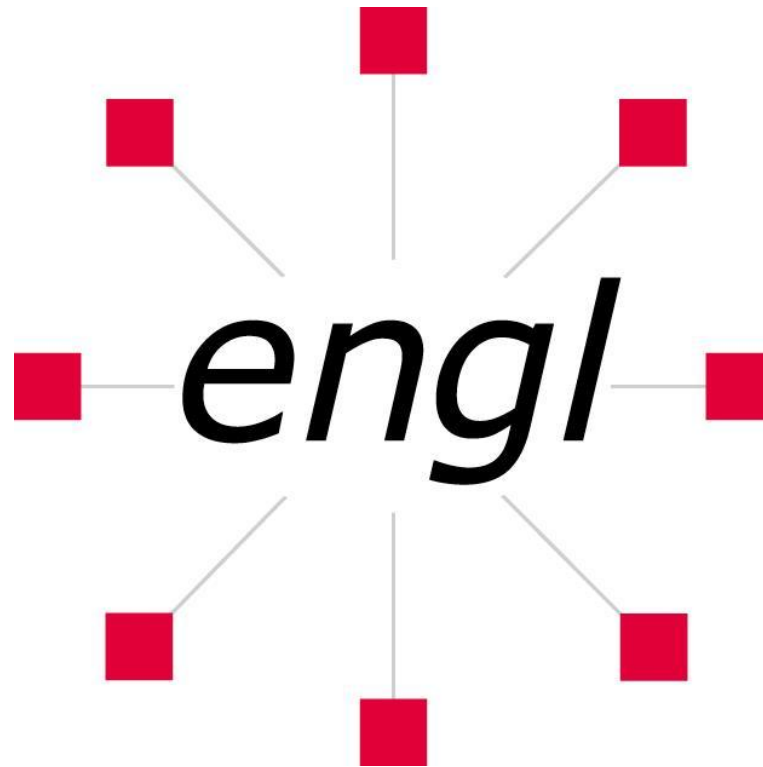
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