Deploying non Volume License versions of Windows 7 \2008 via OSIM



INTRODUCTION

The templates provided in OSIM for the OS's are only for volume licence editions and are not able to provide the Product ID to Windows Setup for non volume license editions of the os's.

The install will fail with the message "Invalid Product ID"

SOLUTION

The Image needs to be extended to allow the product ID to be provided. This is documented in TEC535599

The OS Image needs an additional parameter added to allow the Product Key to be passed to target PC at run time.

There are 2 possible approaches

- Modify the template so all Windows 7 images contain the product Key parameter.
- Modify the Image after it is created

MODIFYING THE TEMPLATE

• In Explorer browse to:

"...Program Files\CA\DSM\OSIMPS\os-template\camenu"

- There are several Windows 7 templates
 - IMAGEX-WIN7 = template to create a Windows 7 Image-x OS Image
 - IMAGEX-WIN7x64 = template to create a Windows 7 64 bit Image-x OS Image
 - WINDOWS7 = template to create a Windows 7 Unattended install OS Image
 - WINDOWS7x64 = template to create a Windows 7 64 bit Unattended install OS Image
- Decide which template you are editing and open the .inf file for this template (eg IMAGEX-WIN7.INF)
- Add the following below <FullName>\$OSUser\$</FullName> and save the file

<ProductKey> <WillShowUI>Never</WillShowUI> <Key>\$ProductID\$</Key> </ProductKey>





- open the .def file (eg IMAGEX-WIN7.DEF)
- Add the following below the entry "The Default Operator Password"

;The productId must be set to the valid ID of the original OS CD ProductId=\$prod-key\$



• Add the following entry at the bottom of the file and save the file

[ProductId] Type=Text Trans=no MaxLength=29 Comment=Product ID needed by system installation





Any OS image created with the IMAGEX-WIN7 template will now include the Product Key Parameter

MODIFYING THE IMAGE

1. Add the Product Key Parameter to the OS Image:

• In Explorer browse to

"\Program Files\CA\DSM\Server\SDBS\var\managedpc\camenu"

- Open <imagename>.inf. i.e. If the image name is Win7PN, then the inf file name would be Win7PN.inf
- •
- Add the following below <FullName>\$OSUser\$</FullName> and save the file

<ProductKey>

<WillShowUI>Never</WillShowUI> <Key>\$ProductID\$</Key> </ProductKey>



• In Explorer browse to

"Program Files\CA\DSM\Server\SDBS\var\managedpc\images\<ImageName>"

Open the Default.inf file
Add the following below the entry "The Default Operator Password"



;The productId must be set to the valid ID of the original OS CD ProductId=\$prod-key\$



• Add the following entry at the bottom of the file and save the file

[ProductId] Type=Text Trans=no MaxLength=29 Comment=Product ID needed by system installation



- 2. Update the Image
 - Go under the following location on the ITCM Console





• Select the image modified in step 1 and go through wizard selecting the following options

🚬 IT Client Manager	
pdate OS Image: Update Options	Back Next Finish Cancel
M Explorer > itcmdm - Domain > Software > Boot and OS Image Library > Image Prepare System > Wa	zards > Update OS Image
2 Image Selection 3 Update Options 4 Registration Options	5 Domain Authentication
ou need to specify how to update the selected image. First, you must update an existing istem. You can update a local image either with the current template files , so as to be lease of CA IT Client Manager or with additional software like device drivers, hotfix pac terwards you have to update the image data in the domain as well as to create the soft in the boot servers of a domain.	i image locally on the Image Prepare completely compatible with the new kages or language packages. ware package to allow an image update
)Update the local image only	
The local image on the Image Prepare System will be updated. You have to decide wh current template files or with additional software.	nether to update the image with the
Update the image registration in a domain only	
The image registration in a domain will be updated. On the following page you can cho as to create the software package to allow an image update on the boot servers.	oose to update the image data as well
ightarrow Update both the local image and the image registration in a domain	
This option combines the features of both the above options. You have to decide whe	ether to update the image with the



puale US image. Regi	stration Options		Back Next Finish C	ancel
<u>5M Explorer</u> > <u>itcmdm - Domain</u> > <u>S</u>	ioftware > <u>Boot and OS Image Libra</u>	rry > Image Prepare System > Wizard	s > Update OS Image	
3 Update Options	4 Registration Options	5 Domain Authentication	6 Summary	
'ou need to specify how to reg nage package in a Software Pa	ister the image in a domain. Ye ckage Library.	ou may choose to register the in	nage data as well as to regist	er the
C Register the image data	only			
The image data along with a domain.	possible boot parameter defini	tions like default values, value ra	nges and comments are regis	tered in
C Register the image package	age in the Software Packag	e Library only		
The image is registered as s Package Library to the boot	oftware package in a domain. servers of the domain.	Afterwards you are able to deple	oy this package from the Soft	tware
Register both the image	data and the image packag	je		

c. Allow the update to complete



The product ID parameter is now available to select in the OS Image



DSM Explorer > itcmdm - Do	
formation	Name 🛆 current planned
Details I	Edit OS Installation Parameter
Name: ProductId	Parameter Name: ProductId OK
Value (planned):	Parameter Value: Cancel
Comment: Product ID needed by	Help
system installation	Parameter Description
Customize this pane.	Type: Text
	Maximum Length: 29
Press F1 to obtain more help.	Default Value: \$prod-key\$
	Comment: Product ID needed by system installation
	TimeZone US Eastern Standard Time US Eastern Standard Time
	Windows7type PROFESSIONAL
	WinPEFile win7entx.cmd W7PN64.cmd
	WinPEPartition Use default partition file [no] Use default partition file [no]
	WinPETftp W7PN64.ftw