

# 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>
```

```
<?xml version="1.0" encoding="utf-8"?>
<unattend xmlns="urn:schemas-microsoft-com:unattend">
  <servicing>
    </servicing>
  </servicing>
  <settings pass="windowsPE">
    <component name="Microsoft-Windows-Setup" publicKeyToken="31bf3856ad364e35" language="neutral" versionScope="nonSxS">
      <processorArchitecture="amd64">
        <UserData>
          <AcceptEula>true</AcceptEula>
          <FullName>$OSUser$</FullName>
          <ProductKey>
            <willShowUI>Never</willShowUI>
            <key>$ProductID$</key>
          </ProductKey>
        </UserData>
      </processorArchitecture>
    </component>
  </settings>
</unattend>
```

- 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\$

```
;UTF8€
[Locale]
Codepage = 3

[Default]
HostName=
MACAddress=00.00.00.00.00.00
WinPEFile=w7PN64.cmd
WinPEFTP=w7PN64.ftw
BootSpecial=winpe264.2
BootNormal=bootnd
OSImage=w7PN64
InstallAgent=yes
Domain=
DomainUser=
DomainPasswd=
InputLocale=0409:00000409
CreateNewPartitions=yes
WinPEPartition=no
OSUser=OSUser

Language=EN-US
Windows7type=PROFESSIONAL

;The default operator password is "default". The password has to
be encrypted
OSPasswd=?/dogLO/EToyP4DRDBH3NHPC2p

;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

```

MaxLength=128
Comment=Disk partition file used with winPE. with
winPEPartition=no and CreateNewPartitions=yes, it creates one c:
partition
item=no "Use default partition 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>

```

```

<?xml version="1.0" encoding="utf-8"?>
<unattend xmlns="urn:schemas-microsoft-com:unattend">
  <servicing>
    </servicing>
  </servicing>
  <settings pass="windowsPE">
    <component name="microsoft-windows-setup" publicKeyToken="31bf3856ad364e35" language="neutral" versionScope="nonSxS">
      <processorArchitecture amd64>
        <UserData>
          <AcceptTeula=true</AcceptTeula>
          <FullName>$OSUser$</FullName>
          <ProductKey>
            <WillShowUI>Never</WillShowUI>
            <Key>$ProductID$</Key>
          </ProductKey>
        </UserData>
      </component>
    </settings>
  </settings>
</unattend>

```

- 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\$

```

[UTF8]
[Locale]
Codepage = 3

[Default]
HostName=
MacAddress=00.00.00.00.00.00
WinPEFile=w7PN64.cmd
WinPEFile=w7PN64.ftw
BootSpecial=w7Inpe264.2
BootNormal=boothd
OSImage=w7PN64
InstallAgent=yes
Domain=
DomainUser=
DomainPasswd=
InputLocale=0409:00000409
CreateNewPartitions=yes
WinPEPartition=no
OSUser=OSUser

Language=EN-US
Windows7type=PROFESSIONAL

;The default operator password is "default". The password has to
;be encrypted
OSPassword=?/dogLO/ET0yP4DRDBH3NHPC2p

;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

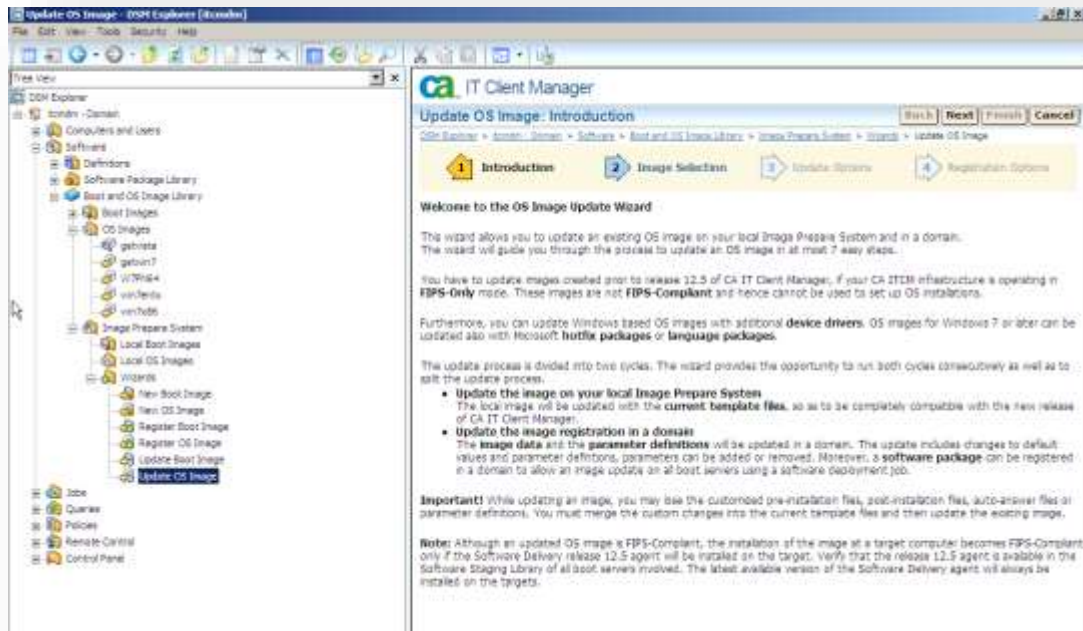
```

MaxLength=128
Comment=Disk partition file used with winPE. with
winPEPartition=no and CreateNewPartitions=yes, it creates one c:
partition
item=no "Use default partition file"

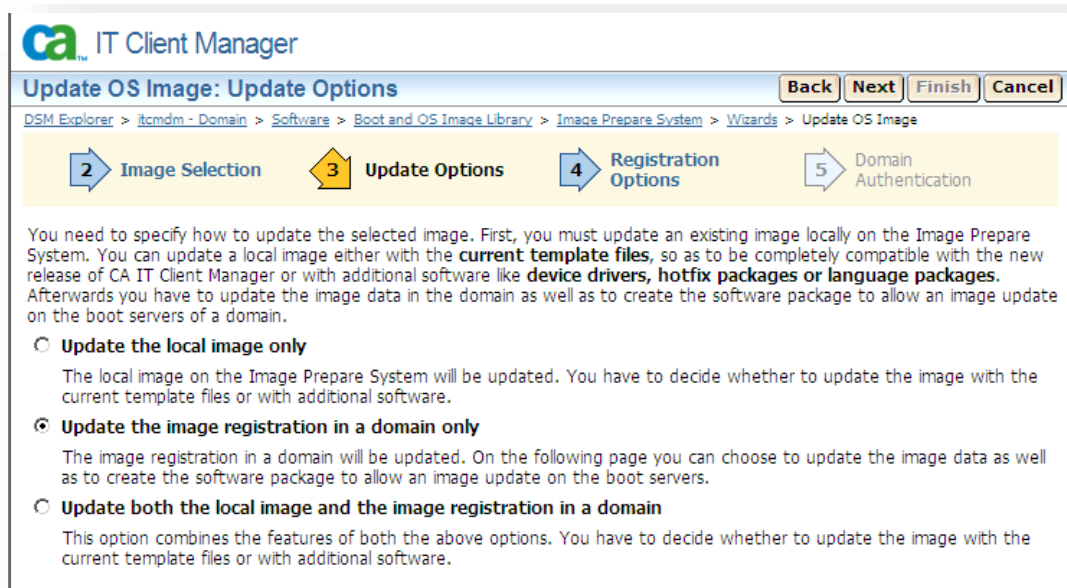
[ProductId]
Type=Text
Trans=no
MaxLength=29
Comment=Product ID needed by system installation
  
```

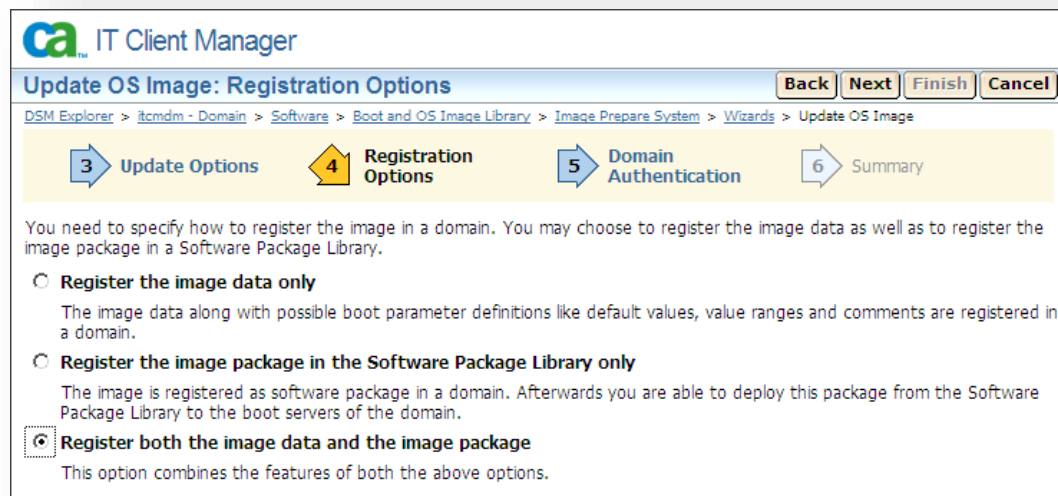
## 2. Update the Image

- Go under the following location on the ITCM Console

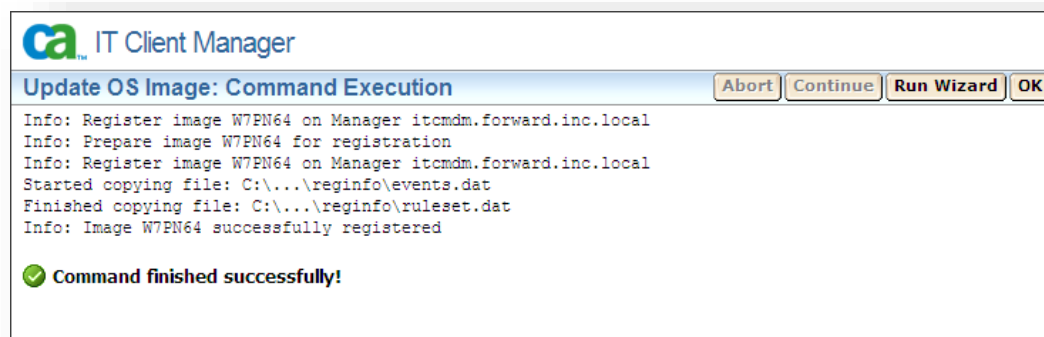


- Select the image modified in step 1 and go through wizard selecting the following options





c. Allow the update to complete



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

