Pre-Adding TrueType Fonts to WES7 Image

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As you develop custom application, you may develop or use special TrueType Fonts that are not standard Windows fonts. Normally, all you have to do is drop the font into the \Windows\Fonts folder and it will install the font directly. For WES7, there are a couple of setup steps required if you want to pre-add the font in a WES 7 answer file and have them installed into your image.

For a fun example, we'll use the Aurabesh font from Star Wars[™]. English characters are replaced 1:1 with a unique set of characters. More information can be found here: <u>http://starwars.wikia.com/wiki/Aurebesh</u>. You can see the Aurabesh font characters used in the movies, video games, and on <u>www.starwars.com</u>:

- Naboo (𝗡≍ΞΔΔ)
- Tatooine ($\mathbf{\nabla} \mathbf{\nabla} \mathbf{\nabla} \mathbf{\Delta} \mathbf{1} \mathbf{\nabla} \mathbf{V}$)
- Mustafar (ビロハレドセド7)

For the few non-fans:

• Hello World ($\Xi V I J \Delta \Box \Delta 7 J 7$)

You can download the font from various websites. Here are a few sites:

- http://www.fontfiles.com/Fonts/Detailed/56.html
- http://www.fonttrader.com/detailed~name~Aurabesh~font~3638.htm

There are two steps to add a new font to the answer file:

1. Setup the distribution share: \$OEM\$ Folders\Star Wars Aurebesh\\$OEM\$\\$\$\Fonts. In my test case, I download two different versions of the font:

- newaure.ttf
- AURABESH.TTF

a 🌗 DSSP1	^	Name	Date modified	Туре	Size
SOEMS Folders		AURABESH.TTF	5/9/2011 5:08 PM	TrueType font file	30 K
🛛 🍌 Java		newaure.ttf	10/15/2010 4:17 PM	TrueType font file	11 K
Silverlight		includence	10/10/2010 411/1111	nderyperonenie	
🛯 🍌 Star Wars Aurebesh					
a 🏭 SOEMS					
4 🍌 SS					
Fonts					

Figure 1 - Setting up the distribution share

Placing the fonts in this folders means they will be installed in the \Windows\fonts directory during OS installation. They will not be accessible until they are registered in the registry, which brings us to step 2:

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2. A registry key is needed to link in the font. You can add the registry key using a Synchronous command and reg.exe command to register the font. I typically set the run the command under **Pass 4 Specialize** to register the font. Here are the two synchronous commands to enter for each font:

reg add "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Fonts" /v " NewAurebesh (TrueType)" /t REG_SZ /d newaure.ttf /f

reg add "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Fonts" /v "Aurebesh (TrueType)" /t REG_SZ /d AURABESH.ttf /f

Enter a command line:					
s" /v "NewAurebesh (TrueType)" /t REG_SZ /d newaure.ttf /f					

Figure 2 - Example of adding one Synchronous Command

Once the image is installed, you can go to the fonts control panel applet, and view that the fonts installed correctly.

ontrol Panel Home	Preview, delete, or show and hide the fonts installed on your computer Organize Preview Delete Hide									
et more font information	Organize - Previe	E •								
djust ClearType text nd a character hange font size	KΘ		Abg	ดนยู	Abg	×Θ	Abg			
	Aurabesh Regular	Euphemia Regular	Fixedsys Regular	Khmer UI	Microsoft Sans Serif Regular	newAurabesh Regular	Segoe Script			
	Abg	aµ"	Abg	Abg	Abg					
	Segoe UI	Sigoe UI Symbol Regular	System Bold	Tahoma	Terminal					
e also										
ext Services and Input inguage	2 items	selected Font style	Pasulas		3					

Figure 3 - Fonts successfully added to the image

Copyright © 2011 SJJ Embedded Micro Solutions, LLC., All Rights Reserved. www.sjjmicro.com 05/11/11 If you really want to get crazy with the font, you can change all the display properties to use your new font.

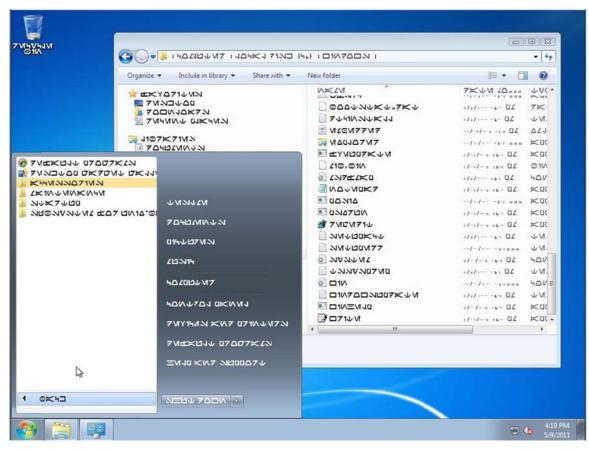


Figure 4 - Display fonts set to the new font.

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