

How to Create/Modify the InstallCQI Installation CD

Steps:

1. Collect and organize all files to be installed on the User's PC.
2. Edit/Create the installation script for installing the product.
The InstallCQI.nsi script was written for easy maintenance; although it's not full-featured, it is powerful, and should work as a good model.
3. Compile the installation script into an installation program.
4. Thoroughly TEST and VERIFY the installation program.
5. Copy the final installation program, plus a "Autorun.inf" file to CD.
6. Create an Updated CD Label for the installation CD.

InstallCQI Installation CD: Organize all installation files

Development:
InstallCQI folder
QBFC folder
ReadMe.txt

Release:
./bin
./etc
./lib
RELEASE.*
Thumbs.db
acutvspc.gif

Name	Size	Last Modified
Up to higher level directory		
InstallCQI		3/28/2011 9:11:44 AM
QBFC		3/22/2011 10:15:13 AM
RELEASE.3z	6 KB	10/6/2005 9:13:58 AM
RELEASE.xml	3 KB	10/6/2005 9:13:58 AM
ReadMe.txt	1 KB	3/22/2011 10:16:35 AM
Thumbs.db	5 KB	3/10/2011 2:55:30 PM
acutvspc.gif	2 KB	10/6/2005 9:13:58 AM
bin		3/24/2011 5:05:26 PM
etc		3/23/2011 3:35:15 PM
lib		3/21/2011 3:24:45 PM
online.htm	2 KB	10/6/2005 9:13:58 AM

InstallCQI Installation CD: Create the installation script

Script Syntax:

NSIS
NSIS User Manual
NSIS Developer Ctr.
(Open source, free to use.)
NSIS syntax takes some work, but the manual is helpful, as is the on-line development center.

Editor:

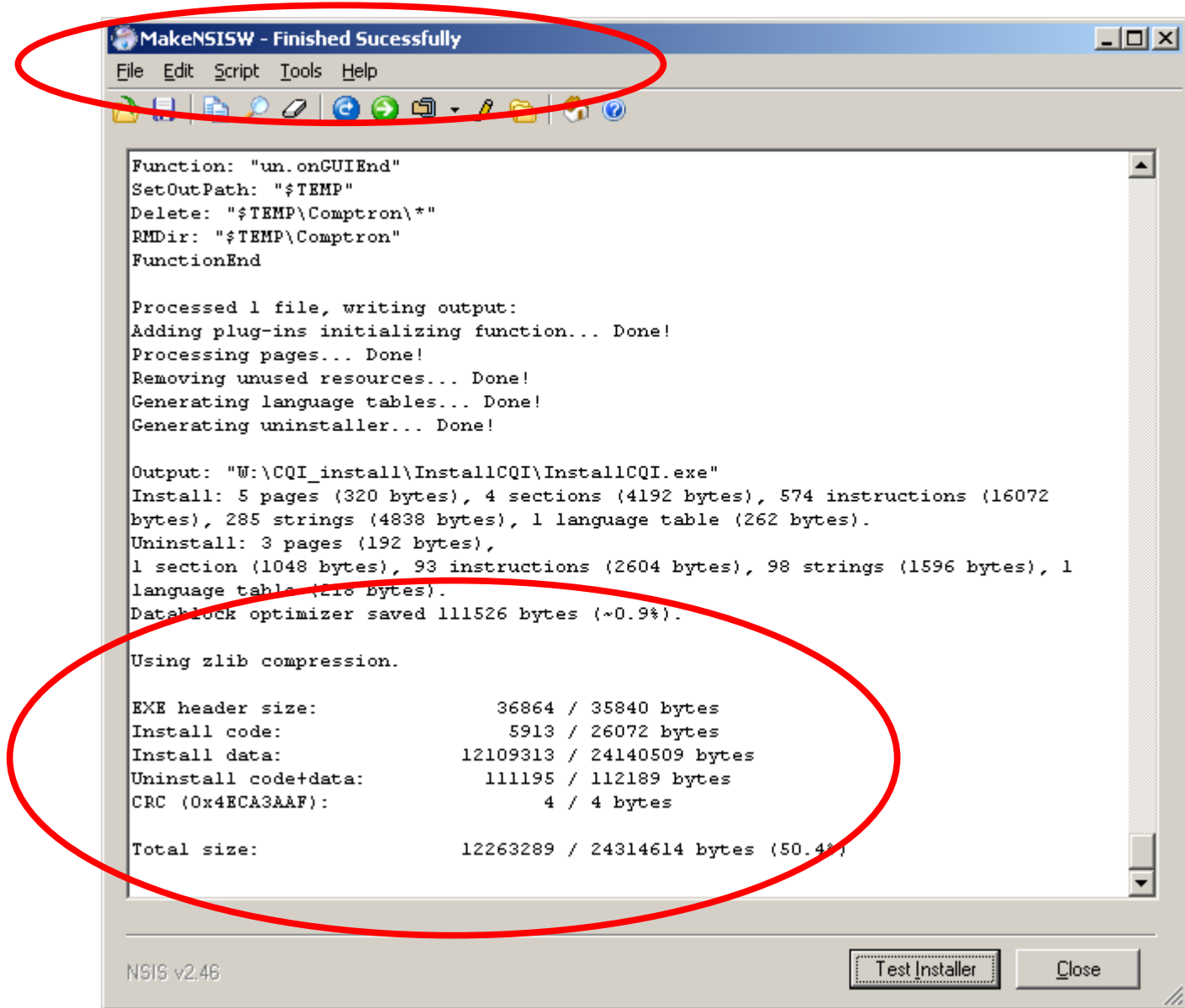
NotePad++
(Open source, free to use;
understands and highlights NSIS syntax, as well as several other source languages.)

The image shows two overlapping windows. The top window is the 'NSIS Menu' application, titled 'nullsoft scriptable install system 2.46'. It has three main sections: 'Compiler' (with links for 'Compile NSI scripts' and 'Installer based on ZIP file'), 'Documentation' (with links for 'NSIS Users Manual', 'Example scripts', 'Modern UI 2', 'Multi-User Header File', and 'StrFunc Header File'), and 'Plug-ins' (with links for 'AdvSplash', 'Banner', 'BgImage', 'Dialer', 'Math', and 'noDialogs'). The 'Compiler' and 'Documentation' sections are circled in red. The bottom window is Notepad++, titled 'w:\CQI_install\InstallCQI\InstallCQI.nsi - Notepad++'. It shows a script with the following code:

```
28 !ifndef NOCOMPRESS
29 SetCompress off
30 !endif
31
32 ;-----
33
34 Name "ComptronCQI"
35 Caption "Comptron QB Integration"
36 Icon "${NSISDIR}\Contrib\Graphics\Icons\nsis1-install.
37 OutFile "InstallCQI.exe"
38
39 SetDateSave on
40 SetDatablockOptimize on
41 CRCCheck on
42 SilentInstall normal
```

InstallCQI Installation CD: Compile script to installation program

Compiler:
NSIS' MakeNSISW
(checks syntax, and reports errors with line numbers; compresses all installation objects into single executable.)



The screenshot shows a window titled "MakeNSISW - Finished Successfully". The window contains a text area with the following output:

```
Function: "un.onGUIEnd"  
SetOutPath: "$TEMP"  
Delete: "$TEMP\Comptron\*"   
RMDir: "$TEMP\Comptron"  
FunctionEnd  
  
Processed 1 file, writing output:  
Adding plug-ins initializing function... Done!  
Processing pages... Done!  
Removing unused resources... Done!  
Generating language tables... Done!  
Generating uninstaller... Done!  
  
Output: "W:\CQI_install\InstallCQI\InstallCQI.exe"  
Install: 5 pages (320 bytes), 4 sections (4192 bytes), 574 instructions (16072 bytes), 285 strings (4838 bytes), 1 language table (262 bytes).  
Uninstall: 3 pages (192 bytes),  
1 section (1048 bytes), 93 instructions (2604 bytes), 98 strings (1596 bytes), 1 language table (218 bytes).  
DataBlock optimizer saved 111526 bytes (~0.9%).  
  
Using zlib compression.  
  
EXE header size:          36864 / 35840 bytes  
Install code:             5913 / 26072 bytes  
Install data:             12109313 / 24140509 bytes  
Uninstall code+data:      111195 / 112189 bytes  
CRC (0x4ECA3AAF):         4 / 4 bytes  
  
Total size:               12263289 / 24314614 bytes (50.4%)
```

At the bottom of the window, there are two buttons: "Test Installer" and "Close". The version "NSIS v2.46" is displayed in the bottom left corner.