

## Building Windows Eudora Installer

- We use InstallShield 9.0 for the Windows installer
- It is a pure InstallScript project, this reduces the size of the installer compared to MSI InstallScript projects
- The entire project is in the file EudoraProject.ism
- We have 2 release builds. One for the electronic installer and one for the volume / site installers
- The volume and site installers are the same except for the following difference. The installer writes an extra option called DontShowUpdates=1 for a site installer. This means that we don't nag site license users with new updates.
- The other difference between site and volume installers is that, the site license regcode has the last name always registered to SiteLicense, while volume license users have the last name built in to be VolumeLicense in the regcode
- When building the installer, we need to change the month code in the installer. Change the month code using the following steps.  
Go to Behavior & Logic -> InstallScript on the left side  
Scroll to line InstallerHelp.CheckStatus(80);  
Change the number ( 80 in this case ) to the current month code.  
The installer uses the month code to check and warn the user if he is going to install in sponsored mode in the electronic version. This helps users to cancel the installation if they don't want to go into sponsored mode, rather than realizing it after installation. The warning message that users see is  
“ Your current Paid Mode registration number will not allow you to use this version of Eudora in Paid Mode. Continue? “
- To build the installer do the following steps
  - Make sure all files in the data folder have read-write permission. This is important, since Eudora writes settings to the .ini files. If the files are read-only, Eudora cannot write out any information to the .ini files. Also if the files are installed as read-only upgrades are not possible, since the installer cannot replace the existing files.
  - In InstallShield go to Build -> Batch build.
  - Check either Eudora\_Electronic\_Release or Eudora\_Site\_Release or both and hit build.

- The Eudora\_Electronic\_Release builds only the electronic version of the installer. It is a single exe file and can be found in <EudoraProject.ism file>\EudoraProject\Media\Eudora\_Electronic\_Release\Package
- The Eudora\_Site\_Release builds both the site and volume data files. These data files can be found under <EudoraProject.ism file>\EudoraProject\Media\Eudora\_Site\_Release\Disk Images\Disk1
- To build the final site / volume license package that is handed over to customers we package the files from the above disk1 folder into the “InstTool”.
- The InstTool is the custom tool that we give site and volume customers to customize the Eudora installer according to their specific requirements.
- The InstTool folder / package consists of the
  - InstTool.exe, the actual executable.
  - InstTool.hlp which is the help file.
  - ReadThis.rtf that gives customers directions on how to use the InstTool.
  - The data folder is called “setup”. We copy over the site/volume files in the disk1 folder ( from the previous step that builds the data files for the site / volume installer ) to the “setup” folder in InstTool package.
- The installer has two features being installed – Eudora and Importers. Eudora feature contains the main Eudora executable file and is mandatory to run the program. The importers is an optional module that is installed to help users import their mail & address book from other mail programs.
- We also add digital signatures to the installer. This is especially important for the Eudora electronic installer, which is a single executable file. This digital signature causes the company’s name to be displayed as the publisher. This prevents customers from seeing the “Unknown Publisher” warning when they download the installer of the web. The digital signature files consist of a credentials (.spc) and a private key (.pvk) file. The path to the digital signature files can be specified in the release wizard.
- The resultant exe file from building the Eudora electronic release can be given the desired name by just renaming the exe file, particularly if the installer file name changes often (reflecting the

release version). However the standard way to change the output exe file name is via the release wizard. Under the option → Create single executable file, give the desired exe file name.

- The installer warns users when they are running a copy of Eudora during installation and gives the option to shut down Eudora before proceeding.
- The installer is smart enough to detect a previously installed copy of Eudora and update the old installation with the latest files. This prevents users from having multiple copies of Eudora installed. It is also important for us to find the previously used data folder if an old copy of Eudora was detected and use the same data folder with the new installation. To find if we have an existing copy of Eudora, we use the following steps
  - Check the current user command line registry key for the location of the most recently run copy of Eudora  
HKEY\_CURRENT\_USER\Software\Qualcomm\Eudora\CommandLine
  - If we can't find Eudora, next check for the "official" registry key for the location of Eudora  
HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\Eudora.exe
  - If we find Eudora from the above steps, we can locate the DEudora.ini and get a good data folder setting.  
So we're not defaulting to the app data dir
  - If we can't locate Eudora using above steps, use the default paths for program and data files. Program file are installed in PROGRAMFILES\Qualcomm\Eudora and data files are installed to the app data directory by default.