InstallSHIELD V 2.0 Example 1 Sample App

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In the section entitled "How to re-build Example 1 Files" below,   we show you how modify and step by step recreate the Example1.   Please go through that exercise, before you do anything else. You will learn exactly how to use InstallSHIELD in the process and save a lot of time in the future.   This process will also validate the installation of InstallSHIELD on your system to make sure all the files are accessible in the right place.

If you have not re-started your system after installing InstallSHIELD, please do it now. This will make sure that the new path which points to the InstallSHIELD development files will take effect.

The purpose of Example 1 is to give you a complete ready to use simple example of an installation created using InstallSHIELD.   All the script files, sample data files and everything used to build the sample installation is provided with Example 1.   You can use Example 1 as a starting point for building your own installation. You can start by modifying this example for your own needs.

The example 1 installs a dummy application called "MyApp".   MyApp consists of three sets of files: Program, Help and examples.   The Program, Help and Examples files are located in separate sub directories as explained below.

Note: Function names which are preceded by an underscore, such as _CreateDLG are user defined functions, which are defined in the script files. _CreateDLG and other such functions are not built-in InstallSHIELD functions.   The DECLARE.RUL file contains the declarations for such functions, and the body of these functions

can be found in any of the included script files.

Description of Files under Example 1

 EXAMPLE1

 README.WRI   This README file.

 EXAMPLE1\DATA\

This directory contains the data files which make up the sample application MYAPP. It contains all the files which we will be shipping with this sample application. You may replace the files in this directory with your own files.

\EXAMPLE1\DATA\PROGRAM\

This directory contains all the executables for the "MyApp" application.   If you want you can start by copying all the files which make up your application into this directory.

1. MYAPP.EXE   Executable file for the MyApp program
2. MYAPP.DLL   A DLL file, part of the MyApp program files.
3. MYAPP.ICO   Icon file for MyApp Program

\EXAMPLE1\DATA\HELP\

This directory contains all the help files for "MyApp" application.

MYAPP.HLP MyApp On-Line Help

EXAMPLE1\DATA\EXAMPLES\

This directory contains the examples to help the user in using the product

EXAMPLE1.TXT   Example file

\EXAMPLE1\DLL\

This directory contains a sample of a resource only DLL created using Microsoft   C /C++

Compiler.   (You do not need a C Compiler to modify this DLL.   You can use a resource editor such as Resource Workshop (from Borland) to add to or modify the resources in a DLL.) You can use this DLL and add your own resources such as dialogs, bitmaps and icons to it for use in your installation program.

        MYRES.C

        MYRES.RC

        MYRES.DLL

        MYRES.DEF

        MYRES.RES

        MYRES

        LIBENTRY.OBJ

\EXAMPLE1\DISK1\

This directory contains the shipping disk of the product "MyApp".   You can copy all the   files from this directory on to a floppy disk and you are ready to ship "MyApp" application to your customers.

1. SETUP.EXE   InstallSHIELD Installation Program
2. SETUP.INS   Compiled script file
3. ~INS0762.LIB   This file is automatically decompressed and copied when initializing setup. This file contains the dialogs DLL
4. MYRES.DLL   which is used by this installation.
5. MYAPP.Z   "MyApp" application files, compressed into one library   file.
6. SETUP.PKG   Packaging list
7. SETUP.LGO   Startup LOGO file.

\EXAMPLE1\WORKING\

This directory contains a complete InstallSHIELD Example 3 script files. You can   modify this example and use it for your application.   All the script files used to build the example 3 installation and other supporting files are provided in this directory.   Please note that the scripts use some common library script files and other common dialog files from the LIBRARY and DIALOG sub-directories.

1. SETUP.RUL   Main Installation Script file.
2. DECLARE.RUL   All the variable declarations,   prototype declarations string constants and number constants.
3. SUPPORT.RUL   Support functions for main script
4. BUILD.BAT   Batch file to make the shipping disk
5. SETUP.LGO   Logo file for use during the launch of setup
6. SETUP.INS   Compiled script file.
7. MYAPP.BMP   Bitmap file displayed during installation on top right and corner.
8. PKG.LST   The file containing the packaging list. This file is compiled   into the SETUP.PKG file which is placed on Disk 1.
9. SETUP.PKG   Compiled packaging list file. Goes on Disk 1.

How to re-build the Example 1 Files ?

In this section we will take you through the process of creating the Example 1 and explain what and why.   The dos commands shown here assumes that you are currently in the \ EXAMPLE1\WORKING directory.   It also assumes that the InstallSHIELD Program files are available in your path.

1. The first step is to edit the \EXAMPLE1\ WORKING\SETUP.RUL file. Using your favorite editor modify the name of the installation program in the file SETUP.RUL.   You may modify other strings in this script file also.

2. After you have made all the changes to the script files. Now you are ready to compile the script files.   In the \ EXAMPLE1\WORKNG\ directory at the DOS prompt type COMPILE SETUP.RUL If all the changes you made were syntactically correct, the script file will be compiled and the SETUP.INS file will be created. Otherwise you will need to fix any errors and recompile the file.

3. Next we make changes to the SETUP.LGO file in the \EXAMPLE1\DISK1. Using your editor make changes to the SETUP.LGO file. Add the name of your application and company.

4. The next step is to compress the data files. All our data files are located in the \ EXAMPLE1\DATA sub-directory. Compress all the file using the COMPRESS.EXE program: COMPRESS ..\example1\data\ *.*   ..\disk1\MYAPP.Z -I

5. Now we create the ~INS0762.LIB file. This file is automatically copied and decompressed by InstallSHIELD when it starts up.   We use this file to store a DLL and a Bitmap that we will use during the installation.   Create this file using the following commands:

   COMPRESS ..\DLL\MYRES.DLL ~INS0762.LIB

   COPMRESS MYAPP.BMP ~INS0762.LIB

5. Now we are ready to assemble all our files on the shipping disk. We will assemble the files in the \EXAMPLE1\

DISK1 directory.

a. Copy the SETUP.EXE file from the \EXAMPLE1\PROGRAM directory.

b. Copy the SETUP.INS, SETUP.LGO, ~INS0762.LIB, MYAPP.Z files

6. The next step is to compile the packing list.   The packing list file lists all the data files which will be included on your shipping disks. Create a plain ASCII file called PKG.LST using your editor. Type the following lines in it:

1;

..\disk1\myapp.z

7. Now we are ready to compile the packaging list. We compile the file PKG.LST and create a file called SETUP.PKG which goes on the shipping disk. Type the following command:

packlist pkg.lst

8. Now copy the SETUP.PKG file to the \EXAMPLE1\DISK1 directory. You should now have 6 files in your \EXAMPLE1\DISK1 directory.

9. Now lets run the installation we have created. From the Program Manager choose File Run and type in the full path of the SETUP.EXE. For example, C:\ISHIELD\EXAMPLE1\DISK1\SETUP.EXE or from the File Manager double click on the SETUP.EXE in the C:\ISHIELD\EXAMPLE1\DISK1 directory.

10. That's it. We are done.

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