

IceTips Magic Locks

Version 1.100



Add a touch of Magic to your applications

Version 1.100

Copyright © 2007 IceTips Creative, Inc.

Table of contents

TABLE OF CONTENTS	2
WELCOME	3
INTRODUCTION	3
DEMO APPLICATION	3
INSTALLATION	4
GLOBAL TEMPLATE	8
BACKGROUND COLOR.....	8
DEFAULT FONT COLOR	9
DEFAULT FONT STYLE	9
COLOR PROMPTS AND STRINGS	9
PROCEDURE TEMPLATE	10
DEFAULT CLASSNAME	10
OVERRIDE GLOBAL SETTINGS	11
BACKGROUND COLOR	11
FONT COLOR	11
FONT STYLE	11
COLOR PROMPTS AND STRINGS	11
CHANGE REQUEST FROM VIEW	11
FORCE VIEWRECORD FOR ITML.INIT()	11
LOCK CHECKBOXES, GROUPS AND RADIOS	11
LOCK BUTTONS	12
LOCK ENTRIES.....	12
INCLUDE CONTROLS	12
EXCLUDE CONTROLS	13
OVERRIDE CONTROLS	14
INSTALLED FILES	15

Welcome

Welcome to the Icetips Magic Locks. This product was created partly for a project where we needed to lock update forms so edits could not be made, yet make certain fields available for editing. The ViewForm in Clarion 5.5/6.xABC does some of that, but there is no way to set it up to allow editing, so we had to invent something else. The results of that work is the Icetips Magic Locks. As of this writing, the documentation is under construction. Please refer to the demo application for more information.

Introduction

The Icetips Magic Locks consist of templates and classes. The template generate all the code necessary to access and use the classes.

There is a Global Extension template, which does all of the global housekeeping and sets up certain properties for the locked controls that can be overridden at procedure level. There is also a Procedure Extension template which sets up procedure specific settings. At the end of this document there is also a comprehensive documentation of the classes and how they can be used in handcoded applications.

For the time being the templates are only compatible with the ABC template chain, but we are planning a release with a Clarion template chain version. Release date for that template has not been set.

Demo Application

We supply a simple C6.3 application, dictionary and all related image and data files are placed in the 3rdParty\Examples\ITMagicLocks directory.

ITMLDemo.app is an ABC chain application. The Magic Locks have not been tested with Legacy (Clarion templates) and may not be compatible.

The demo application emphasizes the Magic Locks by showing all locked controls with a red border. This is controlled in code with:

```
ITML.RegionBorder = COLOR:Red
```

This makes the locked controls stand out and be easy to identify. By default there is no border placed around the controls, but you can use this property to set border color if you want to.

Installation

The Icetips Magic Locks are provided as a single ITMagicLocks.exe install set. It will install the template files and class files and any additional images that we may provide with it into a single your choice and update the redirection file (RED file) of your Clarion IDE with the path to the images.

The installation will prompt you to register the templates. If you do not want to do that at installation time, you can always do it later. The templates are located in 3rdParty\Template directory. The template files installed are:

```
ITMagicLocksABC.tpl          - ABC templates
```

There is a demo application supplied in the 3rdParty\Examples\ITMagicLocks directory.

Documentation is provided as Acrobat PDF file in 3rdParty\Docs\ITMagicLocks.

A Post-Installer utility is included in 3rdParty\Tools\ITInstall which makes certain that paths are set correctly in the RED file etc. If you are installing under Windows Vista, the install will also install and run a Clarion 6 Vista fix from LinderSoft if needed. This updates the path and Win.INI if it hasn't already been properly updated.

Data files, RTF files and videos are placed into a documents folder that is accessible by all users. Where this folder is, depends on what operating system you are using. If you download our free SpecialFolders tool from <http://www.icetips.com/downloads.php> you can easily identify this folder as CSIDL_COMMON_APPDATA. We create a folder structure there called "Icetips Creative\Magic Locks Demo. The videos are placed into a subfolder called "Videos"

Uninstall files are placed into the 3rdParty folder as **Uninst_Icetips Magic Locks.exe** and **Uninst_Icetips Magic Locks.log**

At the end of this document is a complete list of the installed files.

Changes between version 1.000 and 1.100

VERSION 1.100, September 29, 2007

SEPTEMBER-27-2007

1. **Demo** Demo app was dependent on the IT_SHELL32.LIB. Dependency removed with dynamic call.

SEPTEMBER-24-2007:

1. **Classes** Radio buttons with hotkey could still be activated with the hotkey. Checkboxes could not, but might trigger closing of the window. Fixed by removing & from control text for both Radio buttons and checkboxes.
2. **Classes** Control backgrounds would not obey setting when locking a form during Change.

SEPTEMBER-12-2007:

1. **Templates** Added option to set form read-only based on variable or function call.

VERSION 1.003, September 03, 2007

SEPTEMBER-03-2007:

1. **Templates** Removed template code that checked project. Caused problems and was not needed.

VERSION 1.002, August 22, 2007

AUGUST-22-2007:

1. **Templates** Modified prompt for Lock Entries to indicate Read-Only by default.
2. **Classes** Changed Request property to OrigRequest.
3. **Install** Added .ico files that were not included in the install
4. **Demo app** Removed the "Enable window dragging"

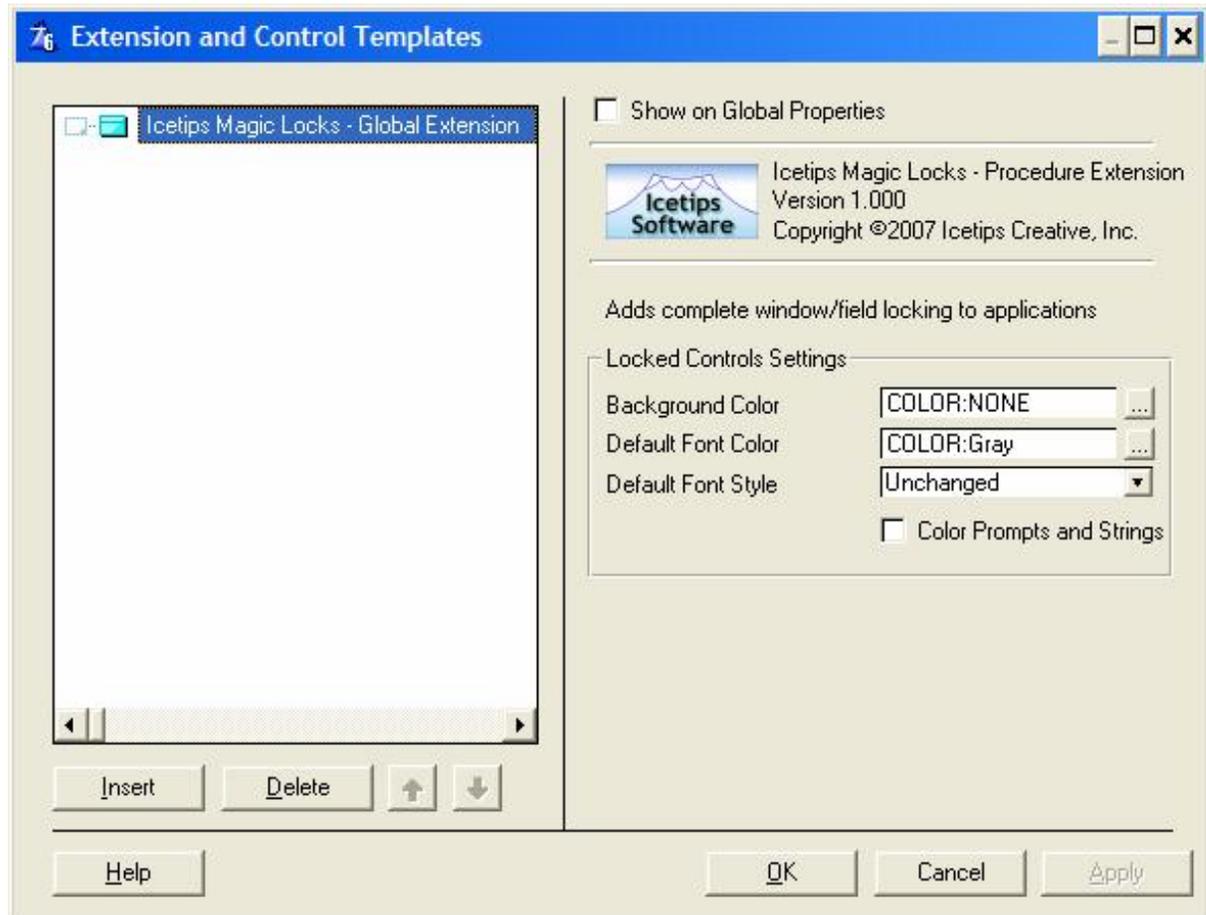
5. **Demo exe** Removed the "Enable window dragging"
6. **Install** Added support for Clarion Desktop.
7. **Demo** When using small fonts the RTF on the splash screen was cut of at the bottom.
Fixed.

Upgrading from version 1.000 to 1.100

Version 1.100 should not require any manual changes or modifications. Options that were added are turned off by default. If you experience any problems when you upgrade from 1.0 to 1.1, please let us know immediately so we can address the issue.

Global Template

A global template is provided to take care of all global housekeeping. This template is responsible for setting up the compiler defines in the project settings as well as export the classes if they should be exported.



Global Extension template

The Global template includes the necessary class files in the application and sets up default settings for locked fields.

Background Color

This color setting is used to set the background color of Entry and Text controls. RTF controls are not changed as that can affect the formatted text in the RTF and can cause problems. The default is COLOR:NONE which does not affect the controls at all.

Default Font Color

This changes the default font color for locked controls. The default is COLOR:NONE which does not affect the controls at all.

Default Font Style

This changes the default font style for locked controls. The default is Unchanged in which case the controls are not affected. Other options are Regular, Bold, Italic and Bold+Italic. Setting the font style to regular will change any style set for the controls to be plain regular text.

Color Prompts and Strings

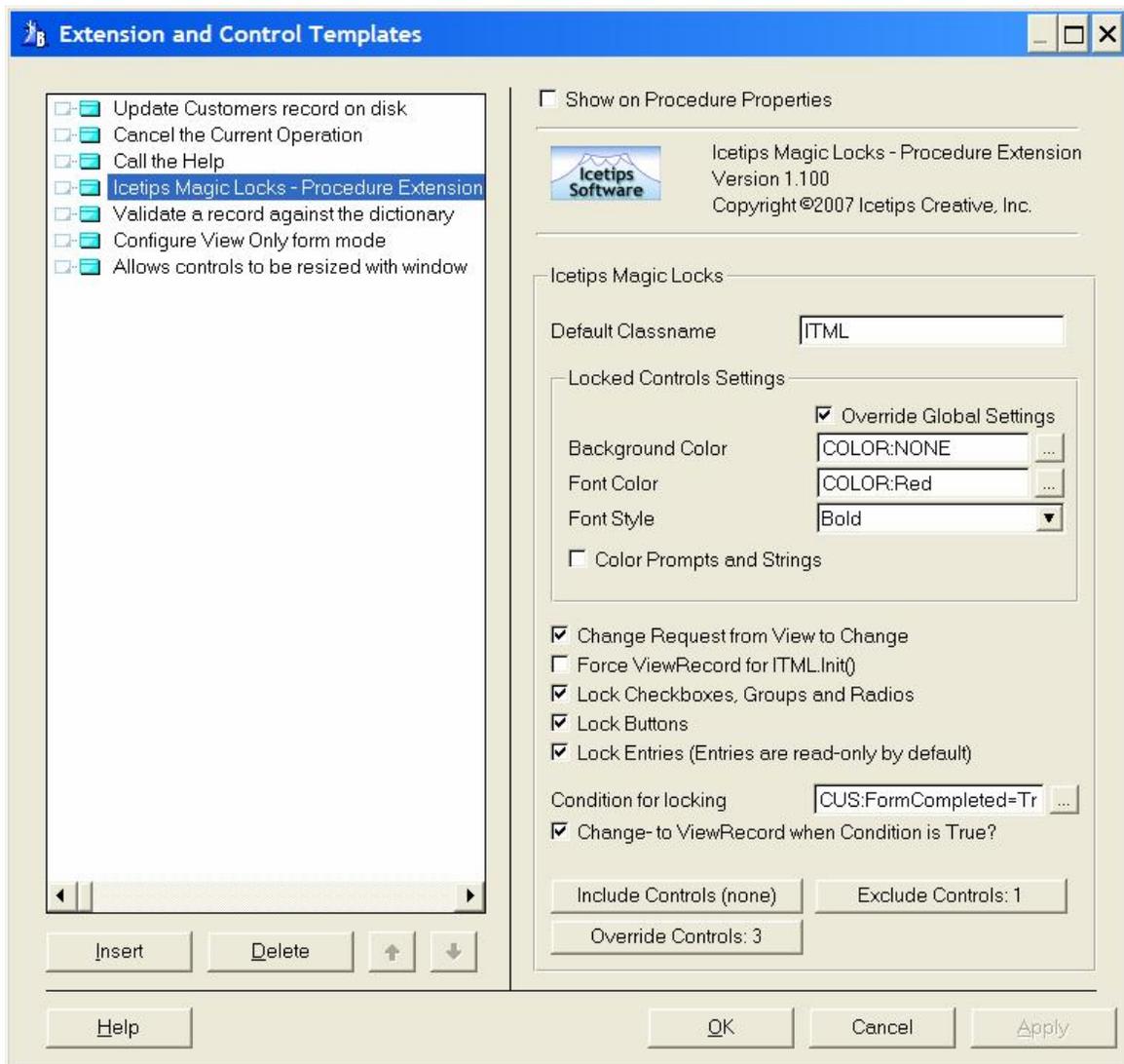
If this is checked all prompts and strings on a locked form will be colored with the font color and style. Since at this point the classes can not identify the prompts associated with the entry controls, this will color ALL prompts and strings on the window so this should normally be turned off. This is turned off by default.

The global template did not change in version 1.100 so we have not updated the screenshot.

Procedure Template

The procedure template has to be populated manually on forms in version 1.1. We have decided not to provide an automatic application template since we find this process is very form dependent. Applying the extension to all forms without any further actions could cause parts of your program to work differently than you, and your customers, expect.

The procedure template takes care of setting everything up for the template and classes to work properly.



Procedure Extension template

Default Classname

The Classname defaults to ITML, but could be changed to any valid Clarion label.

Override Global Settings

This is used to enable overriding global settings for locked controls.

Background color

Specifies color used as background color for entry fields that are locked. This is by default COLOR:NONE

Font Color

Specifies font color used for entry controls that are locked. This is by default COLOR:NONE

Font Style

This changes the font style for locked controls. The default is Unchanged in which case the controls are not affected. Other options are Regular, Bold, Italic and Bold+Italic. Setting the font style to regular will change any style set for the controls to be plain regular text.

Color Prompts and Strings

If this is checked all prompts and strings on a locked form will be colored with the font color and style. Since at this point the classes can not identify the prompts associated with the entry controls, this will color ALL prompts and strings on the window so this should normally be turned off. This is turned off by default.

Change Request from View to Change

Changes the original request from ViewRecord to ChangeRecord. This is necessary so that the form can save data. If you do not want to be able to save data, then uncheck this. If you want to allow the user to change any data, check this.

Force ViewRecord for ITML.Init()

This forces ViewRecord when calling the Init method of the class, essentially locking the form no matter what the request is. This could also be used on non-form based windows where locking is required. Note that this will **always lock the form** and no data can be saved.

Lock Checkboxes, Groups and Radios

Checking this option will lock checkboxes, groups, option and radio controls and just about any other control types than those specifically set up such as buttons and Entry controls. What happens is that a region is created over those controls so there is no way

to reach them with the mouse. The Skip attribute is set as well so they can not be tabbed to.

Lock Buttons

Checking this will lock buttons. The Close or Cancel button on the window will always be accessible so the window can be closed. The OK button normally should also be accessible.

Lock Entries

Checking this will lock all entry and text fields. By default this is off as these controls are set as read-only. If a uniform "locked out" feel is required, use this option. Please note that if you use this with text controls or RTF controls, these controls may have scrollbars. When they are locked the user can not scroll the controls. If this is not checked, Entry, Text and RTF controls are set to Read-Only so no editing is allowed.

Condition for locking – New in 1.100

This is a powerful option in version 1.1. This allows the form to be locked conditionally and this condition affects the form in both Insert and Change mode as well as View mode. The condition is used in an IF statement and must resolve to either True or False. If it is True, then the form is locked. If it is False, the form is not locked.

Locking the form in code during insert or change is a simple call to the LockForm method of the ITMagicLocks class. This method should be used when Condition for locking becomes true on the form. Please see the UpdateCustomerDemo4 form in the ITMLDemo.app about how to implement this feature.

Change- to ViewRecord when Condition is True – New in 1.100

This option should be checked when a condition is used. It changes the form from ChangeRecord to ViewRecord which triggers the Magic Lock mechanism to lock the form. The form's operation mode is not affected, but this is needed to change the Magic Locks request.

Include Controls

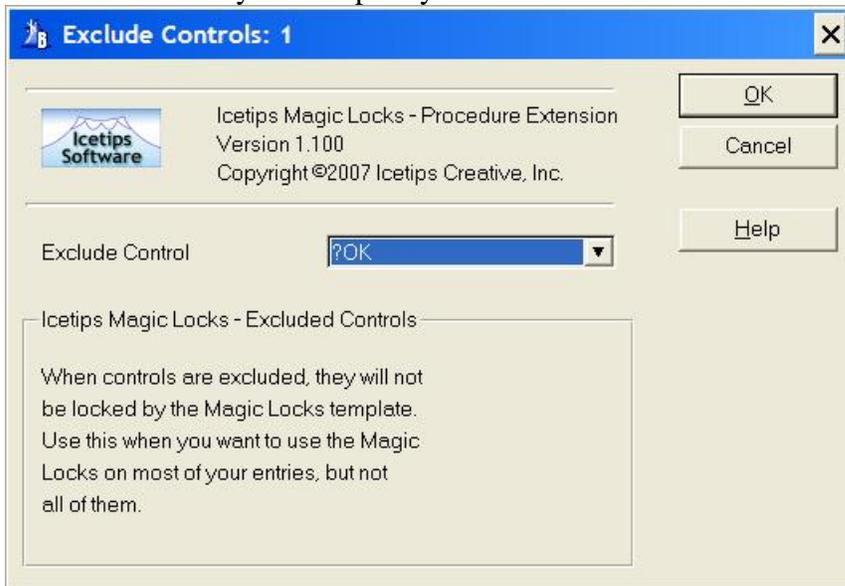
Under this button you can specify what controls to include.



By default all controls are included, but if the Include Controls is used, the template will **only** include the controls that are specifically included.

Exclude Controls

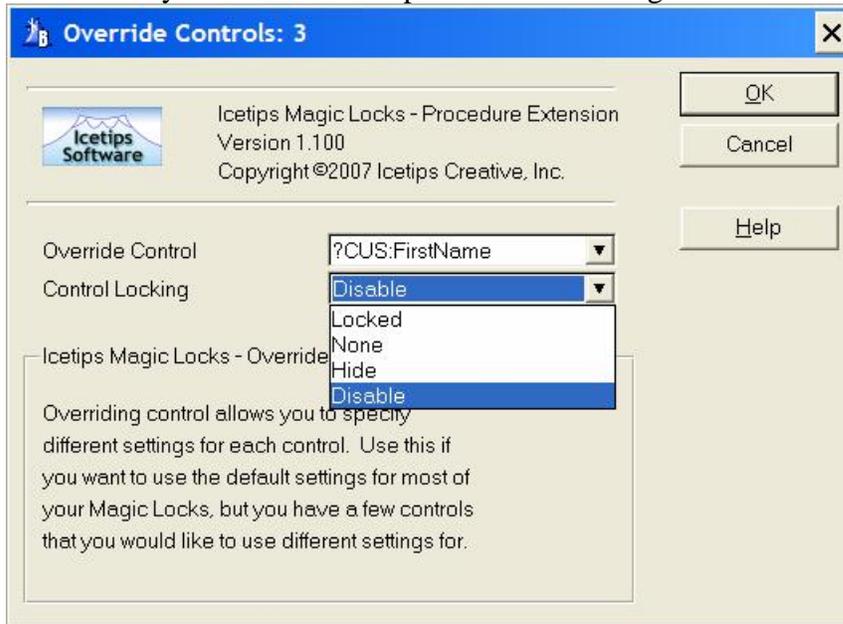
Under this button you can specify controls that are not to be included.



By default all controls are included, but if you want to open certain controls for editing, it can be done here.

Override Controls

This allows you to set control specific what locking method is used.



It can be selected for any control as a Locked, None, Hidden and Disabled. If it is set to None, the control is open for editing. Hidden hides the control and Disabled disables it.

Installed Files

The following is a comprehensive list of the files that the Icetips Magic Locks install on your computer. If your Clarion install is in a different path than C:\Clarion then you need to substitute our C:\Clarion with your own path in order to find the files. Please note that some file sizes may not be 100% correct for example the .pdf will be a bit off.

Note that data files, rtf files and videos are installed into the Documents and Settings folder for all users. Where exactly depends on the Windows operating system. On XP this would be in "c:\Documents and Settings\All Users\Application Data\Icetips Creative\Magic Locks Demo\" This is shown as C:\...\ in the file list below.

c:\...\Icetips Creative\Magic Locks Demo

09/29/2007	12:17 PM	331,264	Customers.tps
09/24/2007	11:08 AM	1,527	form1.rtf
08/19/2007	01:54 PM	843	form2.rtf
09/24/2007	11:38 AM	1,847	form3.rtf
09/28/2007	01:12 PM	2,053	form4.rtf
08/19/2007	12:31 AM	855	magiclocks.rtf
09/28/2007	03:47 PM	855	videos.rtf
	7 File(s)	339,244	bytes

c:\...\Icetips Creative\Magic Locks Demo\Videos

09/28/2007	04:44 PM	6,210,362	Magic Locks 01 - Introduction.wmv
	1 File(s)	6,210,362	bytes

C:\Clarion\3rdParty\Docs\ITMagicLocks

09/29/2007	12:56 PM	264,093	itmagiclocks.pdf
09/29/2007	12:25 PM	3,782	Magic Locks.txt
	2 File(s)	267,875	bytes

C:\Clarion\3rdParty\Examples\ITMagicLocks

09/28/2007	04:27 PM	397,312	ITMLDemo.app
09/19/2007	03:46 PM	6,144	ITMLDemo.dct
08/18/2007	12:32 PM	686	ITMLDemo.exe.manifest
01/04/2007	01:10 AM	326	pointer.cur
	4 File(s)	404,468	bytes

C:\Clarion\3rdParty\Images

08/18/2007	12:06 PM	565,016	Demo Splash - Blue.bmp
03/02/2003	03:39 PM	2,847	ITLogo.gif
06/04/2006	11:50 AM	75,566	RO-Mx2_add-green.ico
06/04/2006	12:03 PM	75,566	RO-Mx2_cancel.ico
06/04/2006	12:11 PM	75,566	RO-Mx2_checkmark-green.ico
06/04/2006	12:22 PM	75,566	RO-Mx2_circle-help-2.ico
03/17/2005	09:45 AM	75,566	RO-Mx2_delete.ico
06/04/2006	12:42 PM	75,566	RO-Mx2_doc-1.ico
06/04/2006	12:43 PM	75,566	RO-Mx2_doc-2.ico

```
06/04/2006 12:43 PM          75,566 RO-Mx2_doc-3.ico
06/04/2006 12:43 PM          75,566 RO-Mx2_doc-4.ico
03/17/2005 09:46 AM          75,566 RO-Mx2_door-2.ico
06/04/2006 12:57 PM          75,566 RO-Mx2_film-reel.ico
03/17/2005 10:13 AM          75,566 RO-Mx2_lock.ico
06/04/2006 01:15 PM          75,566 RO-Mx2_magnifying-glass.ico
06/04/2006 01:17 PM          75,566 RO-Mx2_monitor.ico
06/04/2006 01:18 PM          75,566 RO-Mx2_notebook-pen.ico
11/27/2004 11:00 PM           1,814 toolbarbackground50.bmp
      18 File(s)          1,703,167 bytes
```

C:\Clarion\3rdParty\LibSrc

```
09/25/2007 01:17 PM          17,934 ITMLClass.clw
      1 File(s)           17,934 bytes
```

C:\Clarion\3rdParty\Template

```
09/25/2007 01:17 PM          15,589 ITMagicLocksABC.tpl
      1 File(s)           15,589 bytes
```

C:\Clarion\3rdParty\Tools\ITInstall

```
08/20/2007 05:58 PM           332 itmagiclocks.itc
08/20/2007 04:59 PM       1,333,760 itutil.exe
      1 File(s)          1,334,092 bytes
```