

Empowering Technology Framework 2.5: Release Notes

1. Product Release Information

Product Name: Empowering Technology Framework 2.5

Release Number: 2.5.4006

Release Date: 2007-4-25

Customer Support: Rebecca Hu

2. Introduction

This document contains the release notes for Empowering Technology Framework 2.5. The following sections describe the release in detail and provide late-breaking or other information that supplements the main documentation.

3. Command Line Options

Below are command line options that can be used when installing Empowering Technology Framework from command line prompt.

1. DT:

- (a) Indicate installed machine type is desktop.
- (b) If no DT argument appended, target platform will be configured as NB.

ex:

- 1. Install ETF on DT silently
ETFInstaller.exe -s DT
- 2. Install ETF on NB silently
ETFInstaller.exe -s

2. Aspire

- (a) Apply green color skin
- (b) This option is available in v2.5.4003 and later versions
- (c) If no aspire argument appended, ETF will check model name written in SMBIOS table.

NB & aspire : apply green color skin

DT & non-veriton : apply green color skin

ex:

Force to apply green color skin
ETFInstaller.exe -s aspire

3. LanOff

- (a) Only support 11 multi-languages on NB, including en, de, es, fr, it, ja, nl, pt, sv, zh-CHS and zh-CHT
- (b) This option is available in v2.5.4005 and later versions.
- (c) The option has no effect on DT
- (d) If no LanOff argument appended, NB supports 11 languages by default.

ex:

Turn off 20 languages support on NB

ETFInstaller.exe -s lanoff

4. LanOn

- (a) support 20 multi-languages on NB, including en, de, es, fr, it, ja, nl, pt, sv, zh-CHS, zh-CHT plus cs, da, el, fi, hu, no, pl, ru and tr
- (b) This option is available in v2.5.4005 and later versions.
- (c) The option has no effect on DT
- (d) If no LanOn argument appended, NB supports 11 languages by default.

ex:

Turn on 20 languages support on NB

ETFInstaller.exe -s lanon

4. What's New

- 2.5.4006, April 25, 2007
 - i. Changed Files and features
None
 - ii. Issues Solved
 - 1. FIX: On battery mode, if display turns off and turns on, eLogo animation will start again.
 - (a) Code Reviewer
Christian Huang
 - 2. FIX: mismatched tutorial files
 - (a) Code Reviewer
Christian Huang

- iii. UI Changed
None

5. Know Issues

None

6. Limitation

- Maximize box can only be disabled. The only way to remove it is disabling both maximize and minimize buttons.

7. Minimum System Requirements

System Processor: Intel or AMD IA32 processor
System Memory: 512MB+ (1GB+ recommended)
Free Disk Space: 20MB+
Operating System: Microsoft Windows Vista
Networking: None required
Existing Software: .NET Framework 2.0

8. Installation and Upgrade Notes

- **Installation**
Run Empowering Technology Framework 2.5 installer package to install all necessary binaries.
- **Manifest**
This release consists of the following items:
 - i. Release Note
 - ii. Empowering Technology Framework 2.5 Installer
 - iii. Checked list

9. Version History

- 2.5.4005, April 20, 2007
 - i. Changed Files and features
 - 1. UI component 2.0.24.0

2. Add new tutorial(en) file for Aspire series model
3. Sign WMIACerCheck.exe, SysMonitor.exe and eAPLaunhcer.exe

ii. Issues Solved

1. FIX: ETF toolbar always on the top after setting or changing password
(a) Code Reviewer
Christian Huang
2. ADD: Add registry switch values under
HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\Framework:
DPIAware:REG_DWORD:1 | 0
=> turn on/off dpi awareness
AllLanguage:REG_DWORD:1 | 0
=> turn on/off 20 languages support (en, cs, da, de, el, es, fi, fr,
hu, it, ja, nl no, pl, pt, ru, sv, tr, zh-CHS, zh-CHT)
(a) Code Reviewer
Christian Huang
3. CHANGE: Both DT and NB support 20 languages. (If registry
value of AllLanguage is set to 0, only DT supports 20 languages.)
(a) Code Reviewer
Christian Huang
4. CHANGE: Remove DPI awareness from DT. (If registry value of
DPIAware is set to 1, enable DPI awareness on DT too.)
(a) Code Reviewer
Christian Huang
5. CHANGE: DT support Aspire UI, except for veriton series
models.
(a) Code Reviewer
Christian Huang
6. ADD : Add LanOff command line option to disable 20 multi-
languages support
(a) Code Reviewer
Christian Huang

iii. UI Changed

None

- 2.5.4004, March 13, 2007
 - i. Changed Files and features
 1. UI component 2.0.23.0
 - ii. Issues Solved

1. ETF cannot be uninstalled when installation with “aspire”
command line option
(a) Code Review
Christian Huang
 2. Refresh curtain in widget mode when user change power skin to
power saver plan by ePower widget.
(a) Code Review
Christian Huang
 3. Display reboot required page when trying to remove locked eAPs’
files
(a) Code Review
Christian Huang
 - iii. UI Changed
None
- 2.5.4003, March 2, 2007
 - i. Changed Files and features
 1. UI component 2.0.22.0
 - ii. Issues Solved
 1. Check machine model name in WMIACerCheck. If model type is
Aspire, set key value of “AppearanceChange” to 1 under
HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\Framework; else set to 0
 - iii. UI Changed
 1. Apply new UI skin for Aspire series product
 - 2.5.4002, February 7, 2007
 - i. Changed Files and features
None
 - ii. Issues Solved
 1. Skip to show eRecovery’s subversion
(a) Code Review
Christian Huang
 2. Dynamically load VitaKey 32/64 dlls
(a) Code Review
Christian Huang
 3. According to registry setting
(HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\Framework => Fingerprint:REG_DWORD),

turn on/off VitaKey functions.
(Default is set to enable VitaKey functions)

(a) Code Review
Christian Huang

iii. UI Changed
None

- 2.5.4001, January 31, 2007

i. Changed Files and features
None

ii. Issues Solved

1. Save encrypted password to Fingerprint password store

(a) Code Review
Christian Huang

2. Set ETF process as DPI aware

(a) Code Review
Christian Huang

3. According to registry setting

(HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\log\Framework => LogAll:REG_DWORD),
turn on/off logging at runtime.

Log file will be put in ETF's basefolder\Logs.

(a) Code Review
Christian Huang

iii. UI Changed
None

- 2.5.3005, January 24, 2007

i. Changed Files and features
None

ii. Issues Solved

1. FIX: Launch ETF on AC mode and then let system enter standby
or hibernation, pull out the AC to let the system enter the battery
mode, and power on the system. eLogo's animation will not stop.

(a) Root Cause:
ETF should re-check system power status when resuming
from standby or hibernation.

(b) Code Review
Christian Huang

2. FIX: Click the cancel button on the right-up corner of “Password Needed” dialog, eLock and eRecovery will be unable to launched again.
 - (a) Root Cause:
ETF doesn’t well handle the DialogResult object returned by “PasswordNeeded” dialog. Even if the dialog is closed, ETF will consider it still exists and won’t re-create one.
 - (b) Code Review
Christian Huang
 - iii. UI Changed
None
- 2.5.3004, January 18, 2007
 - i. Changed Files and features
None
 - ii. Issues Solved
 1. FIX: exception occurs when trying to show the same modal dialog twice
 - (a) Code Review
Christian Huang
 - iii. UI Changed
None
 - 2.5.4000, January 10, 2007
 - i. Changed Files and features
None
 - ii. Issues Solved
 1. ADD: Add Fingerprint support
 - (a) Code Review
Christian Huang
 - iii. UI Changed
None
 - 2.5.3003, December 25, 2006
 - i. Changed Files and features
 1. UI component v2.0.20.0
 - ii. Issues Solved
 1. ADD: Add null reference check on AboutView when user select About from right-clicked context menu before toolbar retrieving plugin’s version info.

- (a) Code Review
Christian Huang
 - 2. Fix: Launching help file generates security(PCA) warning message when only WLAN is enabled
 - (a) Code Review
Christian Huang
 - 3. CHANGE: If DWORD of Acer does not exist under HKEY_LOCAL_MACHINE\Software\Acer\Empowering Technology 2.5\Framework, recreate one when invoking WMI to check Acer machine again.
 - (a) Code Review
Christian Huang
 - 4. CHANGE: Create plug-in main UI form when plug-in returned AppPage is not null.
 - (a) Code Review
Christian Huang
 - 5. CHANGE: Force to refresh desktop during plug-in initialization with lower memory (512 MB)
 - (a) Code Review
Christian Huang
 - 6. CHANGE: default set to enable transparent toolbar
 - (a) Code Review
Christian Huang
 - iii. UI Changed
None
- 2.5.3002, November 23, 2006
 - i. Changed Files and features
 - 1. eAPLauncher v1.0.3.0
 - 2. UI component v2.0.19.0
 - ii. Issues Solved
 - 1. Add toolbar drag boundary check.
 - 2. Fix: Plugin initialization issue on low-memory(less than 512MB) sku
 - 3. Fix: auto-launch SysMonitor.exe on desktop.
 - iii. UI Changed
None
 - 2.5.3001, November 15, 2006
 - i. Changed Files and features

- 1. eAPLauncher v1.0.2.0
 - ii. Issues Solved
None
 - iii. UI Changed
Toolbar banner image used in minimized mode
- 2.5.3000, November 12, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.18.0
 - 2. Add help files of cs, da, el, fi, hu, no, pl, ru and tr.
 - 3. eAPLauncher v1.0.1.1
 - ii. Issues Solved
 - 1. Fix 0042: All applications are unselected on Widget Setup View after restarting the system
 - 2. Fix: E2B2 pen click issue
 - 3. Fix: eAp quick launch issue (replace BeginInvoke() with Invoke())
 - 4. Fix: InvalidOperationException exception (enumeration operation can not execute)
 - 5. Remove ETF from startup menu
 - 6. Do not remove tutorial files after removing ETF
 - 7. Add value of “DelayLaunch” under
HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\Framework to determine whether toolbar should
run or not
 - 8. Add value of “DelayInterval” under
HKEY_LOCAL_MACHINE\Software\Acer\Empowering
Technology 2.5\Framework to determine the delay interval of
loading each plugin (default is 250 milliseconds)
 - 9. Detect WM_DISPLAYCHANGE event and update tooltip for
ePresentation
 - 10. Set password center to be shown on topmost
 - 11. Delay eLogoBtn’s animation loading
 - 12. Fix tooltip issue in About View.
 - 13. Do not remove password and hint after uninstalling ETF.
 - iii. UI Changed
None
- 2.5.2003, October 23, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.15.0

- 2. Add de, es, fr, it, ja, nl, pt, sv, zh-CHT, zh-CHS help files
 - ii. Issues Solved
 - 1. Fix 0033: There is a “white block” on screen left-upper side when view widget by mouse click
 - 2. Fix 0036: “Program Compatibility Assistant” prompt pop-up
 - 3. Fix 0038: cannot uninstall eFramework on Vista x64 edition
 - 4. Change version number v2.05 to v2.5
 - 5. Remove AppDomain feature
 - 6. Set password and hint to the hidden partition through eRecovery service
 - iii. UI Changed
 - None
- 2.05.2002, October 11, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.13.0
 - 2. Update tutorial file (only English version for DT & NB)
 - 3. Update help file (only English version)
 - 4. Update website link of online help
 - 5. Add cs, da, el, fi, hu, no, pl, ru and tr support on Desktop
 - ii. Issues Solved
 - 1. Fix: 0035: Need 2 minutes to do it when change password and key in Max. length on Hint field (Hint of password is missed.)
 - 2. Toolbar initial position must consider sidebar
 - 3. Add OS check (toolbar only can be run on Windows Vista)
 - iii. UI Changed
 - None
 - 2.05.2001, September 25, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.12.0
 - 2. EN-tutorial file draft
 - ii. Issues Solved
 - 1. Fix: 0024: Wrong displayed order when ETF toolbar overlaps with other active eAP window
 - (a) Implementation limitation
 - 2. Fix: 0030: Catch unhandled exception error
 - (a) Plug-in service issue
 - 3. Fix: 0032: ETF toolbar still exist and some eAPs can run user guest account.
 - 4. Fix: 0034: Please unify the format of eAP under guest account.

- (a) Guest user cannot run ETF
 - 1) When user login as guest, no warning message is shown while system auto runs ETF. The warning message will only be displayed when user tries to launch ETF from its shortcut.
 - iii. UI Changed
 - None
- 2.05.2000, September 11, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.11.0
 - ii. Issues Solved
 - 1. Fix: 0022: Launch eRecovery needs to setup password twice while switching account to another administrator
 - 2. Fix: 0023 Content of help file is not updated
 - 3. Fix: 0025 Installer spent long time during installation
 - 4. Fix: 0027 The tab in eSettings and ePower look strange
 - 5. Fix: 0028 eSettings cannot enable ETF toolbar
 - 6. Quick launch issue
 - iii. UI Changed
 - None
- 2.05.1002, August 31, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.10.0
 - ii. Issues Solved
 - 1. Fix: 0016 ETF show reboot page after uninstalling ETF
 - 2. WMIACerCheck crash on 64-bit machine
 - 3. Automatically un-installation eAPs can not work on 64-bit machine
 - 4. Password function fails on 64-bit machine
 - 5. Redesign the algorithm for setting widget default location
 - iii. UI Changed
 - ETF image in Minimized Mode
- 2.05.1001, August 17, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.9.0
 - ii. Issues Solved
 - 1. Fix: 0009 The highlight is too short on ContextMenu

- (a) Remove AutoSize property if the width of menuItem is less than the width of caption image.
 - 2. Fix: 0014 Strange color on ETF toolbar when color depth is changed from 32-bit to 16-bit
 - (a) Remove transparent key(255, 255, 255)
 - 3. Fix: 0015 ComboBox exceeds the scope of screen
 - 4. Fix: 0016 ETF show reboot page after uninstalling ETF
 - 5. Fix 0017 Unable to save the widget state
 - 6. Fix 0018 The location of Password Center is not on the center of screen
- iii. UI Changed
 - 1. New Empowering Technology banner
 - 2. Remove elogo from Windows form caption
- 2.05.0006, August 10, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.8.0
 - ii. Issues Solved
 - 1. Add null reference check before showing widget
 - 2. In main UI page, remove “size” item from system menu
- 2.05.0005, July 28, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.7.1
 - ii. Issues Solved
 - 1. Bug DB 0006: Modify option in maintenance mode of ETF installer
 - (a) Procedure
 - 1) Install ETF
 - 2) Re-launch ETF installer and choose “Modify”
 - 3) No feature listed in feature selection page
 - (b) Solution
 - 1) Remove feature selection page in ETF installer
 - 2. Toolbar flickers at start-up time
 - (a) Procedure
 - 1) Launch ETF
 - 2) Toolbar flickers
 - (b) Solution
 - 1) Set transparent key to color white
 - 3. Change the name of publisher from “Acer” to “Acer Inc.”

4. Change eLogo icon (256 x 256 pixels)

- 2.05.0004, July 20, 2006
 - i. Changed Files and features
 - 1. UI components v2.0.6.1
 - ii. Issues Solved
 - 1. Bug DB 0003: more than one ETF help files will be shown at the same time
 - (a) Procedure
 - 1) Click “Help” item from ETF context menu
 - 2) Minimize the help file
 - 3) Click the “Help” item again, and tow help files exist
 - (b) Solution
 - 1) Problem occurs only when the system language is set to Germany and English.
 - 2) Rebuild the corresponding html source files. Do not add any other window definitions.
 - 2. Bug DB 0005: error occurs in eAP main UI page while screen color depth is being changed
 - (a) Procedure
 - 1) Launch eNet on 32 bit color depth
 - 2) Change color depth to 16 bit
 - 3) Transparent panels in main UI page are dark
 - (b) Solution
 - 1) Detect color depth change when userPreferenceChanged event occurs
 - 3. Bug DB 0006: Strange behavior of “Modify” option in ETF installer.
 - (a) Procedure
 - 1) Install ETF
 - 2) Remove acer.empowering.windows.forms.dll
 - 3) Relaunch ETF installer and choose “Modify”
 - 4) Uncheck the “DefaultFeature” to uninstall all related functions.
 - 5) After removing the default feature, ETF still can be found in Add/Remove program. (All files and shortcuts should be uninstalled.)
 - (b) Solution
 - 1) Remove “DefaultFeature” option
 - 4. Bug DB 0007: The “Modify” option in ETF installer does not work properly.

(a) Procedure

- 1) Install ETF
- 2) Remove acer.empowering.windows.forms.dll
- 3) Relaunch ETF installer and choose “Modify”
- 4) Select the “DefaultFeature” to install and wait all operations finish
- 5) Click ETF shortcut
- 6) Error message is shown

(b) Solution

- 1) Remove “DefaultFeature” option, since we don’t have sub-feature in ETF.
- 2) Reinstall default feature when user selects “Modify”

5. Bug DB 0008: The “Repair” option in ETF installer does not work properly

(a) Procedure

- 1) Install ETF
- 2) Remove acer.empowering.windows.forms.dll
- 3) Relaunch ETF installer and choose “Modify”
- 4) Uncheck the “DefaultFeature” to uninstall all related functions and wait all operations finish
- 5) Launch ETF installer and choose “Repair”
- 6) After repairing, ETF still can not work. No files will be reinstalled.

(b) Solution

- 1) Remove “DefaultFeature” option

• **2.05.0003, July 13, 2006**

i. Changed Files and features

1. UI components v2.0.5.0
2. Change ETF installed registry key to
HKEY_LOCAL_MACHINE\SOFTWARE\Acer\Empowering
Technology 2.5\Framework
3. Remove registry monitor

ii. Issues Solved

1. Plug-in lazy initialization

(a) Procedure

- 1) ETF succeeds to create plug-in’s instance and lightens corresponding AppIcon on toolbar.
- 2) At this time, plug-in may not be ready to run, since its related services have not been started or initialization has not completed yet, etc.

3) User clicks the AppIcon which is not ready to launch.

4) Error exception occurs

(b) Solution

1) Change plug-in interface. Add Ready property to notify ETF that plug-in could be used.

2) Add Ready flag in updated component list, so that plug-in could issue OnUpdateApp event to inform ETF about its current status.

- **2.05.0002, July 6, 2006**

- i. Changed Files

- 1. UI components v2.0.4.0

- ii. Issues Solved

- 1. Plugin needs to copy some necessary dlls to ETF base folder

- (a) Solution

- 1) Add relative search path while creating child application domain

- **2.05.0001, July 3, 2006**

- i. New design of separate application domain

- 1. Default domain runs “Supervisor”, and “Supervisor” will create a new application domain to load ETF toolbar.

- (a) Dynamically load and unload toolbar

- ii. Implement registry monitor

- iii. Non-transparent toolbar

- 1. In HKEY_CURRENT_USER\Software\Acer\Empowering Technology 2.0\Framework, set key value of “Transparency” to “Enabled” to enable transparent toolbar