



Title

AppCenter PPC/WM 2.0

Description

AppCenter is an end-user application access control engine that restricts activity to a set of authorized applications on mobile devices

- Active and passive approach to restricting application activity
- Locks the user out of executing “unauthorized” applications

Presents a launch platform of authorized applications in icon form

- Unauthorized applications terminated
- Typical scenario - kiosk application
- End-user runs ONLY specified application

Installation Prerequisites

A valid Symbol/Motorola security key must exist in the device registry before AppCenter will operate on the device. Refer to the RegFile-Readme.txt file located in the PlatformReg folder contained in the ZIP file.

Installation Instructions

Installation instructions are included in the AppCenter 2.0 WM Admin Guide (AppCenter 2.0 WM - Admin Guide.pdf).

Compatibility

AppCenter PPC/WM 2.0 is compatible with the following Symbol/Motorola devices:

Windows Pocket PC

PPT2800
PDT8000
PDT8100
PDT8100x

Windows Mobile 2003

PPT2800
PDT8000

PDT8100
PDT8100x
PPT8800
MC9000-G/K/S
MC50

Windows Mobile 5.0

MC35
MC70
MC9090-G/K/S

Windows Mobile 6.x

MC35
MC55
MC75 / MC75A
MC9090-G/K/S
VC6096
MC9500
MC3100
FR6000
FR6800
ES400

Version History

Version v2.0 Build 1025

1. Added support for ES400.
2. AppCenter now disables the Motorola SettingsUI.exe program. This program replaces the standard Windows Mobile behavior when you tap on the taskbar. In some rare instances, a warm boot is required before SettingsUI.exe is disabled.
3. The TodayScreenInterval default value has been changed to zero for WM 6.5+. This disables the TodayScreenInterval behavior, which appears to be no longer needed under WM 6.5.
4. The changes made in build 987 to support WM 6.5 now apply only to WM 6.5 build 23034+. Earlier versions of WM 6.5 hadn't yet implemented the skinnier taskbar or moved the start icon to the menubar.
5. The methodology of disabling the start icon in WM 6.5 build 23034+ has been changed as the previous method was occasionally causing other programs such as Calendar to crash.
6. The AppCenter volume icon and the volume keys stopped working correctly in WM 6.5. This has been fixed in WM 6.5 build 23034+. On these devices the volume icon works slightly differently than on WM 6 and earlier. Tapping the volume icon behaves the same as pressing a volume key in that the current volume sounds and the volume dialog will automatically close 2 seconds after the last modification to the volume settings.
7. On WM 6.5 builds earlier than 23034, volume is not fully supported. If using the AppCenter taskbar, ShowVolume and VolumeKeysAllowed should be set to

- false. If access to volume is required, the ShowStandardIcons setting should be set to true.
8. A new volume icon has been added to the AppCenter taskbar to show when the volume is set to vibrate.
 9. Portable Network Graphics (PNG) files are now supported in the IconFile setting for approved programs. Any size PNG file can be used, but will be shrunk to 32x32 or 16x16 depending on the ViewMode setting used. Transparency is not currently supported for PNG files.

Version v2.0 Build 987

1. Added support for WM 6.5. The HideStartMenu, HideSip and HideDoneButton settings disable, rather than remove the associated icons from the menu bar.
2. The new ShowDate setting allows displaying the date on the taskbar. ShowDate can be used in conjunction with ShowTime to display only the date, only the time, both or neither. The date is displayed in the short format as specified in the device's Regional settings. The default is false which is compatible with previous versions.
3. The taskbar date/time are now shown in the same font as the title.
4. The TaskbarTextColor and TaskbarBackgroundColor settings added in the last version, now default to zero, which indicates that AppCenter should calculate the colors based on the Windows CE version. This is compatible with previous versions.
5. A Taskbar(2) tab has been added to the Admin Options dialog in support of the TaskbarTextColor and TaskbarBackgroundColor settings. The TitleBold and TitleFontSize settings have been moved from the Title tab to the Taskbar(2) tab.
6. Both the View and Taskbar(2) tabs of the Admin Options dialog now support a preview of what the settings will look like.
7. As of this version, AppCenter will no longer convert old registry settings to the config file format introduced in 2005.

Version v2.0 Build 955

1. Additional options have been added for Taskbar colors. TaskbarTextColor controls the color of the text and icons on the taskbar. TaskbarBackground color controls the color of the taskbar background.

Version v2.0 Build 947

1. Added support for FR6000 and FR6800 devices.
2. Fixed an issue with the TodayScreenInterval logic.

Version v2.0 Build 941c

1. Added support for MC3100.

Version v2.0 Build 941b

1. Added support for MC9500.

Version v2.0 Build 941

1. AppCenter now supports connectivity icons for Edge, 3G, HSDPA and EVDO. Previously only GPRS and 1XRTT were supported.
2. The new TodayScreenInterval setting allows control over previously hard coded behavior that fixes a Windows bug. On WM6 devices with phones, the phone app doesn't create its dialog windows until the Today screen displays. If an app such as AppCenter or Pocket IE is configured to start with the device, the Today screen often doesn't display and the green phone button then can't display the missing phone dialog. When TodayScreenInterval is non-zero AppCenter brings the Today screen to the foreground after the specified number of seconds. AppCenter only does this on WM6 devices with phones and only when the phone dialogs are missing. Unless the Today screen is approved, AppCenter should immediately send it back to the background. The default is 10 seconds. A setting of 0 disables this behavior.
3. AppCenter now disables the Today screen when it is running.
4. AppCenter now adds the version number to the config file.
5. A new CAB file has been added to the distribution (AppCenter-WM5-MC9090) that should be used for the WM5 version of the MC9090 only. The existing CAB file (AppCenter-PPC-2.0) should be used on all other devices.

Version v2.0 Build 929

1. The Motorola MSP Plugin for AppCenter has been added to this release.

Version v2.0 Build 903

1. Support for WM 6.1 color scheme added.

Version v2.0 Build 899

1. Fixed bug on MC7506 device which was causing AppCenter to crash.
2. The maximum startup delay has been increased from 30 to 120 seconds.
3. The AppCenter admin program wasn't properly handling string settings with double quotes when saving the CFG file. This has been fixed.

Version v2.0 Build 885

1. Added support for Windows Mobile 6 devices.
2. Fixed a problem where the red phone button wasn't hanging up phone calls on some WM6 devices.
3. Fixed a problem where the red phone button wasn't being blocked in non-phone applications on some WM6 devices.

4. A new configuration file setting named BrowseControlPanel has been added. This setting is located on the Browse tab of the Options dialog and specifies whether or not control panel applets are included in the "Select a program..." dialog when creating a new approved program. The default is true which is compatible with previous versions.
5. There is a new config file setting named SuppressSmsNotifications. It defaults to false which is backwards compatible with previous versions. When set true, the "New Text Message" notification bubble is automatically closed.

Version v2.0 Build 837

1. A new configuration file setting named BlockTaskbarKey has been added. This setting is located on the Keys tab of the Options dialog. The main purpose of this setting is to block keys that bring up the start menu. This behavior was previously hardcoded in AppCenter and the default settings are consistent with past versions. Different keys bring up the start menu on different devices, so the default settings are not all needed on every device and can in fact interfere with desired behavior.

Version v2.0 Build 823

1. AppCenter now supports custom background bitmaps. There is no configuration file setting for this feature. Simply include a BMP, JPG, PNG, GIF or ICO file with the same name and location as the AppCenter EXE.
2. Additional options have been added to control the font size and foreground/background colors of the approved programs.
3. AppCenter can now be configured to display the list of approved programs in small icon and list mode.
4. The StoneStreetOne Bluetooth stack is now utilized when using the "Disable Bluetooth" security feature.
5. Safeguarded the writing of the configuration file (CFG) to help prevent overwriting.

Version v2.0 Build 777

1. The Symbol Fusion library, if available, is now used to calculate WLAN signal strength. Previously the Symbol S24 library was used on Symbol devices. This worked with Fusion 2.4 radios, but broke when Fusion 2.5 was introduced.

Version v2.0 Build 715

1. Several new options have been added to better support Phone Edition devices. Please refer to the AppCenter 2.0 WM - Admin Guide for further details.

BlockIncomingCalls – this setting is located on the phone options tab and defaults to false. When set true, AppCenter will hangup the phone whenever an incoming call is detected. This setting is only supported under WM5.

ShowPhoneIcons – this setting is located on the phone options tab and defaults to false. When set true, AppCenter will display icons for missed calls, unread text messages and voice mail. This setting is only supported under WM5.

VoiceMailPhoneNumber – this setting is located on the phone options tab and defaults to an empty string. If a number is specified, AppCenter will dial the number when the voice mail icon is tapped. This setting is only supported under WM5.

2. A new configuration file setting named ShowStandardIcons has been added. This setting works in conjunction with the HideStartMenu setting to control taskbar functionality and similar to HideStartMenu it can be configured on a program by program basis. Please refer to Appendix F of the AppCenter 2.0 WM – Admin Guide for details.

Version v2.0 Build 669

1. The DisableIR feature was causing a delayed start of AppCenter on some devices, following a reboot. This problem has been fixed.

Version v2.0 Build 667

1. A new configuration file setting named ShowConnectivity has been added. This setting is located under taskbar options. The default is false. When set true a connectivity icon is displayed on the taskbar. The icon indicates whether or not there is any connection available. All connection types are covered, including ActiveSync, Ethernet cradle, WLAN, WWAN and Bluetooth. This setting is only supported under WM5.
2. A new configuration file setting named AddWwanPhoneMenu has been added. This setting is located under taskbar options. The default is false. When set true a menu displays when the WWAN signal strength icon is tapped. The menu contains choices for turning the phone on and off. The ShowWwanSignalStrength settings must be true for this setting to have any effect. This setting is only supported on devices that have RIL installed.

Version v2.0 Build 639

1. The WWAN icon was still showing signal strength after the WWAN radio was turned off. This has been fixed.
2. This build now waits up to 10 seconds for a valid platform registry key before failing. This should solve the cold reset issue where AppCenter was starting before the registry key.

Version v2.0 Build 597

1. Additional work has been done to support Windows Mobile 5 specific UI changes.
2. Additional Admin options have been added:
 1. DisableMemoryCardInsert stops memory cards from being mounted in the file system
 2. DisableIR disables the "Receive all incoming beams" setting
 3. DisableBluetooth will turn off the Bluetooth radio on devices where the Windows CE BthSetMode function is operative

4. DisableActiveSync disables a device from connecting via ActiveSync
5. Hide SIP allows the SIP to be displayed in the AppCenter user program. The "Hide SIP" setting defaults to true which is compatible with previous versions
3. To help reduce cluster in the configuration file more than one ExeName setting can be set for approved programs.
4. AppCenter now does a better job of calculating the default adapter name. The adapter name must be correct on all devices that want to display the MAC or IP address as the AppCenter title. The adapter name is also used on some devices to get the signal strength.

Version v2.0 Build 421

1. AppCenter now uses text-based (CFG) files to store the current configuration information. The registry is no longer used to store this information. When AppCenter 2.0 is first run on a device with a previous version of AppCenter installed it will read the current configuration from the registry and saves it to the new configuration file format.
2. Access to the AppCenter Administrator Configuration Options has now been broken out into a separate executable named AppCenterAdmin.exe. This file is not required to be deployed on the device for AppCenter to operate.
3. All AppCenter Administrative Configuration Options are now available through the AppCenterAdmin executable.
4. The new -Config command line option can be used to specify the location of the configuration (CFG) files and the log file.

Components of .zip file

Define the files in the .zip file

| Component | Description |
|--|---|
| AppCenter_Windows_Mobile_Administrator_Guide.pdf | AppCenter Admin Guide |
| AppCenter PPC 2.0 Release Notes (Build 947).pdf | This document |
| PPC 2002/2003 WM 5/6 Folder | |
| AppCenter.exe | Main AppCenter executable |
| AppCenterAdmin.exe | AppCenter Admin settings executable |
| AppCenter-PPC-2.0.cab | WM 5-6 AppCenter CAB installation file |
| AppCenter-PPC-2.0-WM6.cab | WM 6 AppCenter Signed CAB |
| AppCenter-WM5-MC9090.cab | WM 5 AppCenter CAB installation file for MC9090 |

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|------------------------|--|
| Platform Folder | |
| RegFile-Readme.txt | Readme file for security registry key information |
| *,reg | Symbol security registry files for devices |
| Reset Folder | Windows Mobile 5/6 Cold Boot Persistence Information |

Known Issues

None.

Notes

None.

Late Additions

None.

Document Number / Revision / Release Date

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