
Release Notes – Persist_MemoryBar Utility – SPR33956

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Introduction

SPR33956 –Persist_MemoryBar utility for all CE devices to persist change in Program Memory allocation.

Description

In Windows CE devices, the system memory bar change (to choose ratio between Program Memory and Storage memory) is not cold boot persistent. RAM memory on Windows CE devices is divided into two parts:

1. Program Memory - part of RAM used by programs for execution.
2. Storage Memory - part used by object store and file systems.

In most of cases, much storage memory is unused but having shortage of Program memory in customer devices. This utility will help for such cases to increase Program Memory by reducing storage memory and make this change cold boot persistent.

Usage:

The below registry configures the program memory allocation in percent over storage memory.

To configure the Program memory bar value in percent as below in registry to make this setting cold boot persistent. This cab file sets the program memory to 75%. After installing this cab, one can modify below registry.

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Symbol\PersistStorageSize]
```

```
"PersistStorageSize"=dword:4B; here the memory is 75%, use hexadecimal value here
```

Note:

This tool does not support on CE7 devices which has 1GB RAM.

Contents

SPR33956_Persist_MemoryBar_v1.1_WB.cab (cab file with auto Warm boot)

SPR33956_Persist_MemoryBar_v1.1_NB.cab (cab file without auto Warm boot)

Device Compatibility

This software release has been approved for use with the following Zebra device.

Device	Operating System
MC17, MC3000, MC9090, MC3000, MC500, VC5090, WT4090	CE 5.0
MC2100, MC3100, MC9190, SB1, VH10	CE 6.0
MC18, MC32, MC9200, VC70N0, WT41N0	CE 7.0

Installation Requirements

This SW is intended for Windows CE5, CE6 & CE7 devices.

Installation Instructions

For Normal installation of the PATCH:

- **Windows Mobile Device Center (For Windows Desktops) Installation Instructions:**
 1. Copy "SPR33956_Persist_MemoryBar_v1.1_WB.cab" file to the Application folder on the device.
 2. Deploy the solution by tapping on the "SPR33956_Persist_MemoryBar_v1.1_WB.cab " file.
 3. After successful deployment of the "SPR33956_Persist_MemoryBar_v1.1_WB.cab " file, device will do an automatic warm boot.
- **SD Cards / Micro SD cards Installation Instructions:**
 1. Copy "SPR33956_Persist_MemoryBar_v1.1_WB.cab " file to the SD card.
 2. Deploy the solution by tapping on the "SPR33956_Persist_MemoryBar_v1.1_WB.cab".
 3. After successful deployment of the "SPR33956_Persist_MemoryBar_v1.1_WB.cab" file, device will do an automatic warm boot.

For MSP or REMOTE installation of the PATCH:

1. Set up MDM (MSP, Soti, Airwatch, etc..) to send "SPR33956_Persist_MemoryBar_v1.1_NB.cab" file to the application folder of the device.
2. To deploy the solution, setup in MDM to install the cab file "SPR33956_Persist_MemoryBar_v1.1_NB.cab" file.
3. Changes will take effect after a manual reboot of the terminal or if MDM reboots device.

Part Number and Release Date

NA

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