

Series 60 Platform

WINS MMC Emulation Enhancements

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Glossary

Word/Phrase	Description
MMC	MultiMedia Card
WINS	Windows emulation platform for the Symbian OS

1. Overview

The MMC emulator on WINS currently supports 2 MMCs, one in slot 0 and one in slot 1¹. For brevity we shall refer to these MMCs as MMC0 and MMC1 or card 0 and card 1 respectively. At start-up MMC 0 is the simulated card, which is currently inserted.

It is possible to assign a password to each MMC and to lock, unlock and format them.

Door open events can be simulated by pressing F5, whilst a hot swap between card 0 and card 1 is simulated by pressing F4 whilst F5 is held down. After the hot swap simulation, card 1 is the one inserted.

2. epoc.ini extensions

The following variables have been added to epoc.ini:

EPOC_MMC_DRIVE, for specifying the MMC drive. This variable should be followed by the drive letter and a semicolon, e.g. *EPOC_MMC_DRIVE E*: Upper or lower case are both equally acceptable. The letter z cannot be used as this is the ROM drive. Also C: and D: are reserved for the RAM disks. Although they won't be rejected, they will however override one of the two RAM disks. If an invalid drive letter is specified, or if this variable is not found in epoc.ini, then X: is used by default. This variable provides support for R1.

EPOC_ACTIVE_MMC, for specifying the MMC, which is inserted at start-up. This variable should be followed by an integer value, either -1, 0 or 1. *_EPOC_ACTIVE_MMC 0* means that MMC 0 is the MMC inserted at start-up. *_EPOC_ACTIVE_MMC 1* means that MMC 1 is inserted.

_EPOC_ACTIVE_MMC -1 means that no MMC is inserted at start-up. If an invalid number is specified (a number other than 0, 1 or -1) or if this variable is not found in epoc.ini, then MMC 0 is the MMC inserted at start-up. This variable provides support for R2 and R3. The hot swap simulation now cycles between the following states:

No MMC inserted;

MMC 0 inserted;

MMC 1 inserted.

The starting state is the state specified at start-up. From that state, when F5+F4 are pressed, the next state is selected (e.g. from MMC 0 to MMC 1 or from MMC 1 to No MMC inserted, etc).

EPOC_MMC_PASSWORD_0, for specifying the password for MMC 0.

EPOC_MMC_PASSWORD_1, for specifying the password for MMC 1. These variables provide support for R4.

¹ This is true for Symbian OS 6.0 and 6.1.