



HP Thin Clients

May 2003



Customizing
Software

Using the Enhanced Write Filter Console Application Command-line Tool for HP Compaq t5000 Series Thin Clients

Table of Contents

- Table of Contents 1
- Abstract..... 2
- Introduction 2
- Boot Commands 2
 - Using Boot Commands 2

Abstract

This paper contains instructions for using the Enhanced Write Filter console application command-line tool.

Introduction

Windows XP Embedded includes the Enhanced Write Filter (EWF) console application command-line tool, Ewfmgr.exe. The EWF allows the operating system (OS) to boot from a disk volume residing on any read-only media or write-protected hard drive while appearing to have read/write access to the OS. The EWF saves all writes to another storage location called an overlay. Changes made to the overlay will not affect the OS.

The EWF can be used to issue a set of commands to the EWF driver, report the status of each protected volume overlay and report the format of the overall EWF configurations.

By including the EWF manager console application component in your configuration and building it into your run-time image, you enable the use of Ewfmgr.exe and the corresponding commands.

Boot Commands

The following table lists the EWF manager boot commands that are supported.

Boot Command	Description
All	Displays information about all protected volumes and performs a command, such as disable , enable , and commit , on each volume if specified.
Commit	Commits all current level data in the overlay to the protected volume, and resets the current overlay level to 1. Commit can be combined with the disable command to commit and then disable.
Disable	Allows user to write to the image.
Enable	Prevents the user from writing to the image.

When using the Commit boot command, all the temporary contents will be permanently written to the flash memory.

The Commit and Disable and NoCmd boot commands are not supported.

Using Boot Commands

To use the EWF manager boot commands, type the following syntax in a command prompt:

EFMGR <drive-letter> -[boot command]

Because the EWF manager commands are executed on the next boot, you must reboot the system for the command to take effect.

Microsoft, MS-DOS, Windows, and Windows NT are trademarks of Microsoft Corporation in the U.S. and other countries.

The information in this document is subject to change without notice.

© 2003 Hewlett-Packard Development Company, L.P.

05/2003

P/N 340317-001