# CDInterfaceModule Support Guide

## Purpose of the document

This document will describe the following details

* How to install the CDInterfaceModule
* How to check installation of the CDInterfaceModule
* Configuring CDInterface
* Basic checks
* Fault diagnosis procedure

Please refer to the ‘CDInterfaceModule User Guide’ for more details on how to use the application.

## Overview

The CDInterfaceModule provides a Powershell CmdLet (CommandLet) which copies the contents of a specified directory to blank media. In addition the application makes available a number of different actions specified by command line arguments to support the main ‘Copy to Media’ function within wider business processes.

The code is hosted on GITHUB at <https://github.com/nosdod/CDInterface>

## Installation

Copy the code onto the local machine from GITHUB.

Open a Powershell session as Administrator in the local location the code was copied to.

Run the deploy.ps1 script.

All being well it should now be possible to just run the CDInterface CmdLet contained in the module.

If there is an existing installation of the same version already present, you will need to pass in the -clean argument to first remove that version.

To remove all versions previously installed use the -cleanall argument.

## Checking Installation

Open another Powershell session as a normal user.

CDInterface -version



The deploy script also writes an event to the Application log, to record when the current version was installed. The following Powershell command will get relevant event log entries.

*Get-Eventlog -LogName Application -Source "CDInterface" -Newest 10*

## Configuring CDInterface

A number of settings can be configured for CDInterface in a settings file. In this way the default behaviour of the interface can be controlled by the installation rather than by command line options.

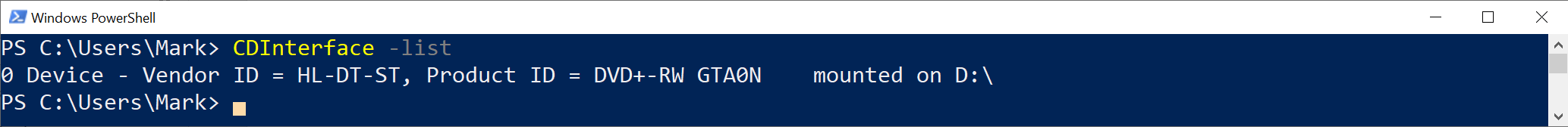
The settings file is installed into the same location as the module and called CDInterfaceModuleSettings.json

For example although, in early versions of the application production mode can be selected using a command line option, in a production environment you would always want the code running in production mode.

## Basic Checks

To confirm that CDInterface can talk to a writeable drive.

CDInterface -list



The actual text will vary from system to system, but at least one line starting with ‘0’ should be output.

Then to check CDInterface can see the media loaded into the drive.

CDInterface -getmediatype

Example for the case where no disc is actually loaded.

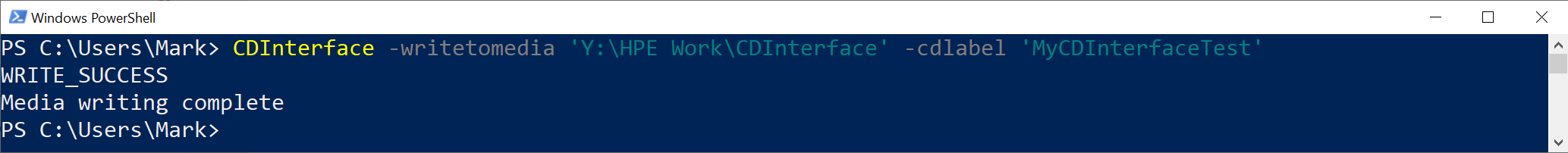


Example for the case where a CDRW disc is actually loaded.



A full test would be to select a local directory and copy it to media

CDInterface -writetomedia ‘Y:\HPE Work\CDInterface’ -cdlabel ‘MyCDInterfaceTest’



The disc will be ejected after a successful write operation.

## Fault Diagnosis

Generally CDInterface will detect most of the errors that are likely to occur when using the application.

In these situations it will respond with an ERROR line and an Error description line.

|  |  |  |
| --- | --- | --- |
| Fault | Causes |  |
| ‘CDInterface’ not found | Run ‘Get-Module -ListAvailable’  Carefully check the output for ‘CDInterfaceModule’ |  |
| ‘CDInterface -list’ output is empty | No writeable drives can be seen by the IMAPI interface.  Check correct drivers are loaded. |  |
| ‘CDInterface -list’ shows more than one drive | This is not a fault. The application will always use the first drive in the list. See the -recorderIndex argument in the user guide to change this. |  |