

Dell OEM Client Identity Module

Installation Guide

This document provides instructions to install an Identity Module on a Dell client system.
June 2018

Revisions

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June 2018	Initial release

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1 Introduction

The Dell EMC OEM Identity Module enables OEMs to rebrand and customize their products. The Identity module centralizes the control points of multiple features, enabling OEM customers to save time and resources when deploying their systems.

This document describes the process of installing an OEM Identity Module on a Dell Client system.

Note: To install an Identity Module outside of Dell manufacturing facilities, use the Board Service Utility (BSU) version of the installation file.

Note: The Dell EMC OEM Identity Module is also referred to as Personality Module in some earlier documentation.

2 Obtaining the Identity Module

The Client Identity Module (IDM) is delivered by your Dell EMC account team. It may also be available through the DellYourID website.

The IDM file has a .pfs extension. The file name varies depending on the platform name and your rebranded name. A common convention is as follows:

SWB_Base_Rebrand_BSU_1.0.0.pfs, where

- SWB = Software Bundle
- Base = Base system
- Rebrand = Rebrand name

Notes:

- Do not use a file that does not have BSU in the file name.
- If you receive an executable file, open the file to extract the .pfs file. Use the .pfs file while performing the steps mentioned in this document.
- Sample or watermarked IDMs that are delivered exclusively for preview may not follow the common file naming convention.

3 Obtaining the Client ID Installation Utility

To install the IDM, you need the *Client ID Installation Utility*. This utility may also be referred to as the *Client ID Injection Tool* or the *PMI Tool*.

You can obtain the Client ID Installation Utility from your Dell EMC account team.

Notes:

- The Client ID Installation Utility is available in 32-bit and 64-bit versions. Use the utility corresponding to the version of Windows OS on your test platform. Both 32-bit and 64-bit version can be used in a DOS 16-bit environment.
- The Readme file of the Client ID Installation Utility is generic and suggests that the system is kept in manufacturing mode. However, to use the Client ID Installation Utility, your system does not have to be in manufacturing mode.
- If an OS other than Windows is installed on your Dell Client system, boot the system using a DOS-based image, and then use the installation utility to install the IDM.

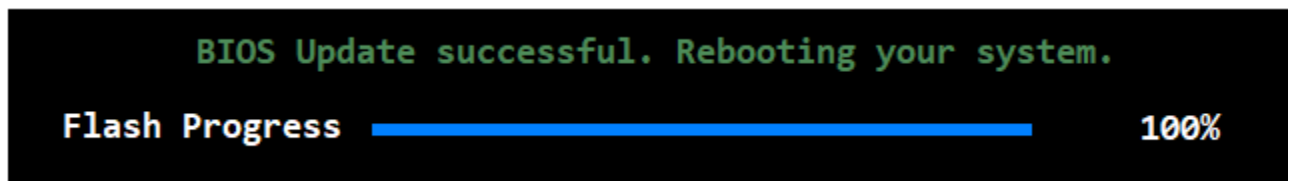
4 Installing the IDM

1. Copy the Client ID Installation Utility and the IDM .pfs file to a folder on your system.
2. Open a Command Prompt with Administrator privileges.
3. Navigate to the directory where you copied the installation utility and the .pfs file. Execute the command `PMI_Wxx.exe /pm=<ID File>` where <ID File> is the name of your IDM .pfs file.
4. Click **Yes** when prompted to allow the program to modify the system.

The system reboots and the IDM is installed during POST.

Warning: To avoid causing damage to your computer, do not turn off your computer or disconnect the power source until the update is complete. During the update, your computer restarts and a blank screen is displayed briefly.

A message is displayed on the POST screen indicating that the installation was successful.



5 Verifying installation of IDM

After the IDM is installed, you can verify the installation by checking for the following:

- Custom splash screen image.
Note: The custom splash logo may be displayed for a very short period of time. You may need to cold boot your system or take your monitor out of sleep mode to see the splash logo.
- System Setup (F2 at POST): Manufacturer and Model Name displayed in the upper left-hand corner of System Setup.
- One-Time Boot Menu (F12 at POST): Manufacturer and Model Name displayed at the bottom of the screen of One-Time Boot Menu.
- Additional validation of SMBIOS tables, specifically type 11.

You can use the open-source *dmidecode* tool to check the SMBIOS tables.

- a. Download the version of this tool that is applicable to your operating system.
- b. Open the tool and use the following command: `dmidecode -t11`.
 - If an IDM is installed, an entry like the following is displayed:
String 4 = 7[XXXX], where XXXX is the unique reseller ID for the IDM.
Dell can share this reseller ID for your delivered ID Module upon request.
 - If an IDM is not installed or if the installation failed, the Type 11 table *Tag 7* is not present in SMBIOS.

If *Tag 7* is present but lists a reseller ID that does not correspond to your specific ID Module, it indicates that a different ID Module is installed on the system. Contact your Dell EMC Account team.

Note: You may need to check the Type 11 fields in conjunction with other checks to determine the right system and the right model name. Contact your Dell EMC Account team for relevant documentation for the different SMBIOS fields that are customized by the IDM. The customer is responsible for writing, maintaining, and executing the correct script to perform verification.

6 Troubleshooting

IDM installation fails without an error message.

- Ensure that you are using the latest available version of the Client ID Installation Utility. The utility may be periodically updated to support newer generations of BIOS.
- Contact your Dell EMC Account team. Include the DellYourID.com project details to help the Accounts team in investigating the issue.

Tag 7 is populated with a different reseller ID

- Confirm the correct reseller ID with your Dell EMC Account team.
- If you install different IDMs for different platforms or configurations, each IDM has a different reseller ID. Ensure to check for the appropriate reseller ID.
- If you run the reseller ID verification script before you attempt to install the IDM, and if your Dell platform is an OEM-ready platform, it might have a different generic ID Module already installed. In such cases, installing your custom IDM replaces the reseller ID already installed on the system.

7 Contact Information

For questions related to this document, contact the account manager responsible for the customer engagement.