

Dell Command | Warranty

User's Guide

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Dell Command | Warranty

The Dell Command | Warranty can be installed as a stand-alone application or part of the Dell Command | Integration Suite for System Center on systems running Microsoft System Center 2012 Configuration Manager, System Center 2012 SP1 Configuration Manager, System Center 2012 R2 Configuration Manager, and Microsoft System Center Current Branch. Dell Command | Warranty helps you to retrieve the warranty information for a list of client systems stored in the Configuration Manager's database, or in a file. Client systems are specified by their Service Tags.

Topics:

- [Supported Operating Systems](#)

Supported Operating Systems

The following lists the types and specific versions of operating systems supported by this application.

Supported Client Operating Systems

- Windows 10 32-bit
- Windows 10 64-bit
- Windows 10 32-bit Professional
- Windows 10 64-bit Professional
- Windows 10 32-bit Enterprise
- Windows 10 64-bit Enterprise
- Windows 8.1 32-bit
- Windows 8.1 64-bit
- Windows 8.1 32-bit Professional
- Windows 8.1 64-bit Professional
- Windows 8.1 32-bit Enterprise
- Windows 8.1 64-bit Enterprise
- Windows 8 32-bit
- Windows 8 64-bit
- Windows 8 32-bit Professional
- Windows 8 64-bit Professional
- Windows 7 32-bit Professional
- Windows 7 64-bit Professional
- Windows 7 32-bit Ultimate
- Windows 7 64-bit Ultimate

Supported Server Operating Systems

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012

Installing Dell Command | Warranty

Dell Command | Warranty can be installed either as a stand-alone application, or as part of the Dell Command | Integration Suite for System Center on systems running Microsoft System Center 2012 Configuration Manager.

 **NOTE:** You must be logged in as the system administrator to install Dell Command | Warranty.

Topics:

- [Installing Dell Command | Warranty As Part Of Dell Command | Integration Suite For System Center](#)
- [Installing Dell Command | Warranty As A Standalone Application](#)

Installing Dell Command | Warranty As Part Of Dell Command | Integration Suite For System Center

1. Download and save the Dell Command | Integration Suite for System Center .exe file to the system you use to manage your clients.
2. Click the *.exe file, and then click **Next** at the welcome screen.
3. Accept the License Agreement, and then click **Next**.
4. Select the **Complete** installation option, and then click **Next**.
5. Follow the remainder of the installation wizard process.
6. When the installation process has completed, click **Finish**.

Installing Dell Command | Warranty As A Standalone Application

1. Download and save the Dell Command | Integration Suite for System Center *.exe file to the system you use to manage your clients.
2. Click the *.exe file, and then click **Next** at the welcome screen.
3. Accept the License Agreement, and then click **Next**.
4. Select the **Custom** installation option, and then click **Next**.
5. Click the drop-down box beside **Configuration Manager Extensions**, and select the **This feature will not be available** option.
6. Click **Next**, and follow the remainder of the installation wizard process.
7. When the installation process has completed, click **Finish**.

Launching Dell Command | Warranty

Launch Dell Command | Warranty using a command line tool.

1. Open a command prompt.
2. Navigate to the folder in which you have placed the Dell Command | Warranty files.
For example, type: `cd C:\Program Files\Dell\Command . . .`
3. Type the name of the executable file.
For example, type: `DellWarranty-CLI.exe`

Configuring Dell Command | Warranty

Before you use Dell Command | Warranty, do the following:

1. Launch Dell Command | Warranty.
For more information, see [Launching Dell Command | Warranty](#).
2. Enter `DellWarranty-CLI.exe /H` to display usage.



NOTE: For Dell Command | Warranty to function you must provide an */InputFile* or an */InputCfgMgrConnectionString* parameter. See [CLI Options](#).

Retrieving Warranty Information

1. If the system on which Dell Command | Warranty is installed has access to Configuration Manager and is able to connect to the internet (including through proxy):
 - a) Launch Dell Command | Warranty.
For more information, see [Launching Dell Command | Warranty](#).
 - b) Configure Dell Command | Warranty.
For more information, see [Configuring Dell Command | Warranty](#).
 - c) To retrieve the warranty information through the Configuration Manager database:
 - Use the command: `DellWarranty-CLI.exe /ICS="Data Source=[host];Database=[Configuration Manager dbname];Integrated Security=true;"`
 - Connection string to the Configuration Manager database:
`"Data Source=[host];Database=[Configuration Manager dbname];Integrated Security=true;"`
`"Data Source=[host];Database=[Configuration Manager dbname];User id=[username];Password=[userpwd]"`
 See [CLI Options](#) for further information.
 The warranty information of the Dell client systems is retrieved and saved as a .csv file in the Default: [%ProgramData%\Dell\Warranty\[WarrantyOutput_[yyyyMMddhhmmss].csv] folder.

NOTE: The file is saved as `WarrantyInformation_YYYY_MM_DD.xml` (where **YYYY is the year, MM is the month and DD is the day**).
2. If the system on which Dell Command | Warranty is installed does not have access to Configuration Manager, but is able to connect to the internet (including through proxy):
 - a) Launch Dell Command | Warranty.
For more information, see [Launching Dell Command | Warranty](#).
 - b) Create a .csv file containing the service tags.
 - c) To retrieve the warranty information for the service tags saved in the .csv file you created in the previous step:
 - Enter the following command: `DellWarranty-CLI.exe /I=C:\FileName.csv`.

The warranty information of the Dell client systems is retrieved and saved as a .csv file in the Default: [ProgramData\Dell\Warranty\[WarrantyOutput_[yyyyMMddhhmmss].csv] folder. To override the default path, use the command line option `/Ocs`. See [CLI Options](#).

NOTE: The file is saved as `WarrantyOutput_[yyyMMddhhmmss].csv` (where **yyyy is the year, MM is the month, dd is the day, hh is the hour, mm is the minute, and ss is the second**).

NOTE: The default name can also be overwritten when you use the command line option `/Ocs`. Also, if invalid tags are found in the request file, a [%ProgramData%\Dell\Warranty\[WarrantyerrorOutput_[yyyyMMddhhmmss].csv] file is created.

Command Line Interface (CLI) Options

Use the following CLI options and syntax when engaging the warranty tool.

Table 1. CLI options and syntax

CLI Option Name	CLI Option Abbreviation	Description	Syntax
/Help	/H	Display usage (this information).	DellWarranty-CLI.exe /H
/Usage	/U	Display usage (this information).	DellWarranty-CLI.exe /U
/InputFile	/I	<p>i NOTE: For the warranty tool to function, you must provide at least one of the two input flags, /I or /Ics.</p> <p>The full path to an input CSV file of service tags (C:\FileName.csv)</p> <p>Required parameter; can be used with configuration manager connection string.</p>	DellWarranty-CLI.exe /I=C:\FileName.csv
/InputCfgMgrConnectionString	/Ics	<p>i NOTE: For the warranty tool to function, you must provide at least one of the two input flags, /I or /Ics.</p> <p>Connection string to the Configuration Manager database.</p> <p>("Data Source=[host];Database=[Configuration Manager dbname];Integrated Security=true;")</p> <p>("Data Source=[host];Database=[Configuration Manager dbname];User id=[username];Password=[userpwd]")</p> <p>Required parameter; can be used with input CSV file.</p>	DellWarranty-CLI.exe /Ics="Data Source=[host];Database=[Configuration Manager dbname];Integrated Security=true;"
/ExportFile	/E	<p>The full path to a CSV export file. File will contain warranty information after CLI execution.</p> <p>(Default: [ProgramData\Dell\Warranty\[WarrantyOutput_[yyyyMMdhmmss].csv])</p> <p>(C:\WarrantyOutputFileName.csv)</p> <p>The parameter is optional.</p>	DellWarranty-CLI.exe /I=C:\FileName.csv /E=C:\WarrantyOutputfilename.csv
/OutputConnectionString	/Ocs	<p>Connection string to the output warranty database. Will contain warranty information after CLI execution.</p> <p>("Data Source=[host];Database=[Warranty dbname];Integrated Security=true;")</p> <p>The parameter is optional.</p> <p>The /Ocs command creates a database with the name given as above. The location of the database is %USERPROFILE%\[Warranty dbname].mdf, while the log file is %USERPROFILE%\[Warranty dbname]_log.ldf. The %USERPROFILE% variable</p>	DellWarranty-CLI.exe /I=C:\FileName.csv /Ocs="Data Source=[host];Database=[Warranty dbname];Integrated Security=true;"

CLI Option Name	CLI Option Abbreviation	Description	Syntax
		<p>is typically C:\Users\[username]\ on a Windows 10 system.</p> <p>Once the database is created, the /Ocs command creates two additional tables: Dell_Asset and Dell_AssetEntitlement. These tables are used to store warranty data that is cleared first, and then populated from your /InputFile or /InputCfgMgrConnectionString servicetags.</p> <p>i NOTE: Once the database has been created, you can change the location of your [warranty dbname].mdf and [Warranty dbname]_log.ldf files using either the SQL command, <code>alter database</code>, or SQL Server Management Studio.</p>	
/Filter	/F	<p>Filter for the warranty API and DB (Default: AnyWarranty) (ActiveWarranty or ExpiredWarranty or WarrantyExpiringIn30Days) (/F=ActiveWarranty) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv / F=ActiveWarranty</pre>
/ProxyUrl	/Ps	<p>Proxy Server URL (proxy.domain.com[:port]) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv /Ps= proxy.domain.com[:port]</pre>
/ProxyUser	/Pu	<p>Proxy User Name ([proxy user name]) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv /Ps= proxy.domain.com[:port] /Pu=[proxy user name] / Pd=[proxy user password]</pre>
/ProxyPwd	/Pd	<p>Proxy User Password (/Pd=[proxy user password]) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv /Ps= proxy.domain.com[:port] /Pu=[proxy user name] / Pd=[proxy user password]</pre>
/Verbose	/V	<p>Display additional information while executing (/V) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv /V</pre>
/Wait	/W	<p>Wait for user input before terminating - best used when debugging (/W) The parameter is optional.</p>	<pre>DellWarranty- CLI.exe /I= C:\FileName.csv /W</pre>

Warranty Output Database Schema

The following data dictionary is created when you use the /Ocs switch.

Sample command: `DellWarranty-CLI.exe /I=C:\Users\[username]\Documents\FileName.csv /Ocs="Data Source=(localdb)\MSSQLLocalDB;Database=[dbname];Integrated Security=true;"`

NOTE: Supply the variable [dbname] within the /Ocs switch parameters as illustrated by the above.

Table 2. Warranty data dictionary

table_name	column_name	data_type	data_length	is_nullable	Description
Dell_Asset	ServiceTag	nvarchar	100	0	PK
Dell_Asset	BUID	int	4	1	
Dell_Asset	ProductId	nvarchar	100	1	
Dell_Asset	CountryLookupCode	nvarchar	256	1	
Dell_Asset	LOB	nvarchar	512	1	
Dell_Asset	MachineDescription	nvarchar	512	1	
Dell_Asset	ShipDate	datetime	8	1	
Dell_Asset	LastUpdated	datetime	8	1	
Dell_Asset	LastRetrieval	nvarchar	512	1	
Dell_AssetEntitlements	ServiceTag	nvarchar	100	0	FK with [dbo].[Dell_Asset] [ServiceTag]. Also, on ON UPDATE CASCADE ON DELETE CASCADE
Dell_AssetEntitlements	StartDate	datetime	8	1	
Dell_AssetEntitlements	EndDate	datetime	8	1	Field used to determine Warranty Filters AnyWarranty, ActiveWarranty, ExpiredWarranty, or WarrantyExpiringIn30Days
Dell_AssetEntitlements	ItemNumber	nvarchar	100	1	
Dell_AssetEntitlements	ServiceLevelDescription	nvarchar	512	1	
Dell_AssetEntitlements	ServiceLevelCode	nvarchar	256	1	
Dell_AssetEntitlements	EntitlementType	nvarchar	512	1	
Dell_AssetEntitlements	ServiceProvider	nvarchar	256	1	
Dell_AssetEntitlements	LastUpdated	datetime	8	1	
Dell_AssetEntitlements	LastRetrieval	nvarchar	100	1	