

# **Dell Command | Configure**

## Version 5.2.0 Installation 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.

<b>Chapter 1: Introduction to Dell Command   Configure 5.2.0.....</b>	<b>4</b>
Installation prerequisites.....	4
Installation prerequisites for Windows.....	4
Supported Platforms.....	4
Supported operating systems for Windows.....	5
<b>Chapter 2: Installing Dell Command   Configure 5.2.0 on Windows systems.....</b>	<b>6</b>
Installing Dell Command   Configure using a DUP.....	6
Installing Dell Command   Configure using the msi file.....	6
Running the installation wizard.....	7
Installing Dell Command   Configure in silent mode using DUP.....	7
Installing Dell Command   Configure in silent mode using the MSI file.....	8
Installing with supported languages.....	8
<b>Chapter 3: Uninstalling Dell Command   Configure 5.2.0 for systems running on Windows.....</b>	<b>9</b>
<b>Chapter 4: Upgrading Dell Command   Configure 5.2.0 for systems running on Windows.....</b>	<b>10</b>
Upgrading Dell Command   Configure for systems running on Windows using a DUP.....	10
Upgrading Dell Command   Configure for computers running on Windows using the msi file.....	10
Upgrading in the default folder.....	11
<b>Chapter 5: Installing Dell Command   Configure 5.2.0 for Dell Command Secure BIOS Configuration.....</b>	<b>12</b>
Prerequisites.....	12
Installing Dell Command   Configure 5.2.0 for Dell Command Secure BIOS Configuration Server.....	12
Configuring the Dell Command Secure BIOS Configuration Server using HTTPS .....	13
<b>Chapter 6: Dell Command   Configure 5.2.0 for Windows Preinstallation Environment.....</b>	<b>14</b>
Creating a bootable image preinstallation environment using Windows PE 10.0, and 11.0.....	14
Integrating the Dell Command   Configure directory structure into an ISO file using Windows PE 11.0.....	14
Integrating the Dell Command   Configure directory structure into an ISO file using Windows PE 10.0.....	15
<b>Chapter 7: References for Dell Command   Configure.....</b>	<b>16</b>
Accessing documents from the Dell support site.....	16

# Introduction to Dell Command | Configure 5.2.0

Dell Command | Configure is a software package that provides BIOS configuration capability for Dell client systems. IT administrators can use this tool to configure BIOS settings and create BIOS packages using the Dell Command | Configure User Interface (UI) or Command-Line Interface (CLI).

Dell Command | Configure 5.2.0 supports the following Windows operating systems:

- Windows 11
- Windows 10
- Windows Preinstallation Environment (Windows PE)

This guide provides the installation instructions for Dell Command | Configure.

- Dell Command | Configure 4.10.1 or later generates a 64-bit SCE with constraints.
- Dell Command | Configure 4.10.1 or later on a 64-bit ARM client machine, generates an ARM-based 64-bit SCE.

For more information, see the *Dell Command | Configure 5.2.0 User's Guide and Installation Guide* on the [Support | Dell](#) site.

## Topics:

- [Installation prerequisites](#)
- [Supported Platforms](#)
- [Supported operating systems for Windows](#)

## Installation prerequisites


### Installation prerequisites for Windows

Ensure the following requirements are met before installing Dell Command | Configure:

- The Dell Command | Configure installation file, `Dell-Command-Configure-Application_<SWB>_WIN<architecture>_5.2.0.<build number>_A00.EXE` available at [Support | Dell](#).
- The client system must be running a supported Windows operating system.
- Administrator privileges on the system to install Dell Command | Configure .
- Microsoft .NET 4.8.1 to install and run the user interface.
- Microsoft .NET 8.0 SDK to run the Dell Command Secure BIOS Configuration Server.
- Microsoft Visual C++ Redistributable for Visual Studio 2022.

#### NOTE:


- The system must be connected to a stable network when installing Dell Command | Configure with support for Dell Command Secure BIOS Configuration.
- On Windows 10 or later, enable **Microsoft .NET Framework 4.8** or later version from the **Turn Windows features on or off** screen.


-  **NOTE:** The system has limited functionality if it does not have a WMI-ACPI compliant BIOS. Update the BIOS with a compatible version, if available. For more information, see Windows SMM Security Mitigations Table (WSMT) Compliance section in the *Dell Command | Configure User's Guide* at [Support | Dell](#).

## Supported Platforms

- OptiPlex

- Latitude
- Dell Laptops
- Dell Precision
- XPS Notebook
- Dell Pro Desktops
- Dell Pro Max Desktops
- Dell Pro Laptops
- Dell Pro Rugged Laptops
- Dell Pro Max Laptops

 **NOTE:** Dell Command | Configure 4.0.0 or later requires platforms supporting WMI-ACPI BIOS.

 **NOTE:** For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in *Dell Command | Configure Version 5.2.0 User's Guide*.

## Supported operating systems for Windows

Dell Command | Configure supports the following operating systems:

- Windows 11 24H2
- Windows 11 23H2
- Windows 11 22H2
- Windows 11 21H2—22000
- Windows 10 19H1—18362
- Windows 10 19H2—18363
- Windows 10 20H1—19041
- Windows 10 20H2—19042
- Windows 10 21H2
- Windows 10 22H2
- Windows 10 Redstone 1—14393
- Windows 10 Redstone 2—15063
- Windows 10 Redstone 3—16299
- Windows 10 Redstone 4—17134
- Windows 10 Redstone 5—17763
- Windows 10 Core (64-bit)
- Windows 10 Pro (64-bit)
- Windows 10 Enterprise (64-bit)
- Windows 10 Preinstallation Environment (64-bit) (Windows PE 10.0)
- Windows 11 Preinstallation Environment (64-bit) (Windows PE 11.0)

# Installing Dell Command | Configure 5.2.0 on Windows systems

You can install Dell Command | Configure using the Dell Update Package (DUP) through the user interface or in silent/unattended mode. Both installation methods can be performed using either the DUP or an .MSI file.

**NOTE:** Microsoft .NET 4.8 or later must be installed on the client system to install Dell Command | Configure using the user interface.

**NOTE:** If User Account Control (UAC) is enabled on a Windows 10 system, silent mode installation is not allowed. Ensure that you have administrative privileges before installing Dell Command | Configure in silent mode.

Related Links:

- [Installing Dell Command | Configure using DUP](#)
- [Installing Dell Command | Configure silently using DUP](#)
- [Installing Dell Command | Configure using the msi file](#)
- [Installing Dell Command | Configure in silent mode using the msi file](#)

## Topics:

- [Installing Dell Command | Configure using a DUP](#)
- [Installing Dell Command | Configure using the msi file](#)
- [Installing Dell Command | Configure in silent mode using DUP](#)
- [Installing Dell Command | Configure in silent mode using the MSI file](#)

## Installing Dell Command | Configure using a DUP

Perform the following steps to install Dell Command | Configure using Dell Update Package (DUP):

1. Double-click the downloaded DUP, click **Yes**, and then click **INSTALL**.  
The Dell Command | Configure installation wizard is displayed.
2. Run the installation wizard.  
For more information, see [Running the installation wizard](#).

## Installing Dell Command | Configure using the msi file

Perform the following steps to install Dell Command | Configure using the MSI file:

1. Double-click the downloaded Dell Update Package (DUP), and click **Yes**.
2. Click **EXTRACT**.  
The **Browse For Folder** window is displayed.
3. Specify a folder location on the system, or create a folder in which you want to extract the files, and then click **OK**.
4. To view the extracted files, click **View Folder**.  
The folder contains the following files:
  - 1028.mst
  - 1031.mst
  - 1034.mst
  - 1036.mst
  - 1040.mst
  - 1041.mst
  - 1043.mst

- 2052.mst
- 3076.mst
- Command\_Configure.msi
- mup.xml
- package.xml

5. To access the Dell Command | Configure installation wizard, double-click **Command\_Configure.msi**.

6. Run the installation wizard.

For more information, see [Running the installation wizard](#).

- Dell Command | Configure Command Line Interface Reference Guide
- Dell Command | Configure User's Guide

## Running the installation wizard

1. Browse to the folder in which you have extracted the Command\_Configure.msi or DUP file.

2. Right-click the MSI or DUP and click **Run as administrator**.  
The installation wizard is displayed.

3. Click **Next**.  
The **License Agreement** screen is displayed.

4. Read the license agreement and click **I accept the terms in the licence agreement**, and then click **Next**.  
The **Customer Information** screen is displayed.

5. Type the username and organization, select one of the following options, and then click **Next**.

- For multiple users, select **Anyone who uses this computer (all users)**.
- For a single user, select **Only for me (Dell Computer Corporation)**.

The custom setup screen is displayed.

6. Click **Next** to install Dell Command | Configure CLI and GUI in the default directory. The default Dell Command | Configure installation directories are:

- C:\Program Files (x86)\Dell\Command Configure.

The **Ready to Install the Program** screen is displayed.

7. Click **Yes**.

The **Installing Dell Command | Configure** screen is displayed. When the installation completes, the installation wizard-completed screen is displayed.

8. Click **Finish**.

If the Dell Command | Configure GUI is successfully installed, the shortcut for the GUI is displayed on the desktop.

## Installing Dell Command | Configure in silent mode using DUP

Perform the following steps to install Dell Command | Configure in silent mode:

1. Browse to the folder where you have downloaded the Dell Update Package (DUP) and open the command prompt.

2. Run the following command:

```
Dell-Command-Configure-Application_<SWB>_WIN<architecture>_5.2.0.<build number>_A00.EXE/s.
```

**NOTE:** For more information about using commands, type any one the following commands:

- Dell-Command-Configure-Application\_<SWB>\_WIN<architecture>\_5.2.0.<build number>\_A00.EXE/s.
- Dell-Command-Configure-Application\_<SWB>\_WIN<architecture>\_5.2.0.<build number>\_A00.EXE/?.

or

**NOTE:** During silent installation using DUP, Dell Command Configure installs without Dell Command Secure BIOS Configuration Server.

# Installing Dell Command | Configure in silent mode using the MSI file

**NOTE:** Dell Command | Configure 5.2.0 silent mode installation supports installing the Dell Command Secure BIOS Configuration Server, but it does not support the Dell Command Configure option.

**NOTE:** By default, during silent installation using the MSI file, Dell Command Configure installs without Dell Command Secure BIOS Configuration Server. To install DCC with DCSBC server, use the following command: `msiexec.exe /i Command_Configure.msi DCSBC=1 /qn`

1. Go to the folder where the Dell Command | Configure installer is extracted from the Dell Update Package (DUP).
2. Run the following command: `msiexec.exe /i Command_Configure.msi /qn`

The Dell Command | Configure components are silently installed in the following locations:

- C:\Program Files (x86)\Dell\Command Configure.

## Installing with supported languages

To assess silent and unattended with supported languages, run the following command: `msiexec /i Command_Configure.msi TRANSFORMS=1036.mst`.

To specify the installation language, use the command-line option, `TRANSFORMS= <language ID> .mst`, where <language ID> is one of the following:

- 1028 – Chinese Taiwan
- 1031 – German
- 1033 – English
- 1034 – Spanish
- 1036 – French
- 1040 – Italian
- 1041 – Japanese
- 1043 – Dutch
- 2052 – Simplified Chinese
- 3076 – Chinese Hongkong

**NOTE:** If the above-mentioned languages or the default operating system languages are not supported, then it displays the English language by default.







# Uninstalling Dell Command | Configure 5.2.0 for systems running on Windows

Perform the following steps to uninstall Dell Command | Configure on systems running on Windows:

1. Go to **Start > Settings > Apps > Apps and Features**.
2. Select **Add/Remove Programs**.

# Upgrading Dell Command | Configure 5.2.0 for systems running on Windows

You can upgrade Dell Command | Configure using a Dell Update Package (DUP) or the MSI file.

-  **NOTE:** Microsoft .NET Framework 8.0 or later must be installed on the client system to ensure a successful Dell Command | Configure user interface installation.
-  **NOTE:** If Windows User Account Control (UAC) is enabled on Windows 10 and 11 systems, you cannot install Dell Command | Configure in silent mode. Ensure that you have an administrative privilege before installing Dell Command | Configure in silent mode.
-  **NOTE:** This system does not have a WMI-ACPI compliant BIOS, so the limited functionality is available. Update the BIOS with a compatible version, if available. For more information, see Dell Command | Configure Release Notes.
-  **NOTE:** You cannot install and upgrade Dell Command | Configure on non-WMI-ACPI in silent mode.

Related links:

- [Upgrading Dell Command | Configure for systems running on Windows using DUP](#)
- [Upgrading Dell Command | Configure for systems running on Windows using the MSI file](#)

## Topics:

- [Upgrading Dell Command | Configure for systems running on Windows using a DUP](#)
- [Upgrading Dell Command | Configure for computers running on Windows using the msi file](#)

## Upgrading Dell Command | Configure for systems running on Windows using a DUP

Perform the following steps to upgrade Dell Command | Configure (formerly Dell Client Configuration Toolkit) to the next version:

1. Double-click the downloaded DUP, and then click **INSTALL**.  
The Dell Command | Configure installation wizard is launched.
2. Run the installation wizard, and follow the instructions that are displayed on the screen.

## Upgrading Dell Command | Configure for computers running on Windows using the msi file

For minor upgrades such as upgrading Dell Command | Configure (formerly Dell Client Configuration Toolkit), perform the following steps:

1. Download the latest installation file `Dell-Command-Configure-Application_<SWB>_WIN<architecture>_5.2.0.<build number>_A00.EXE` from [Support | Dell](#).
2. Extract the installation:
  - From the folder where you extracted the file, double-click the `Command_Configure.msi` file, or.
  - From the command prompt, browse to the directory where you extracted the file, and then run the following command:

```
msiexec.exe /i Command_Configure.msi REINSTALL=ALL REINSTALLMODE=VOMUS
```

**NOTE:** The installation wizard screen is displayed followed by **"An older version of Dell Command | Configure is detected on this system. If you continue, installer will remove the older version and proceed to install the latest version. If you cancel the installation of the latest version, the system will not be restored to the previous version of Dell Command | Configure. Do you want to continue?"** message.

3. Follow the instructions on the screen to upgrade.

**NOTE:** For a silent upgrade, run the following command: `msiexec /i Command_Configure.msi REINSTALL=ALL REINSTALLMODE=vmous REBOOT=REALYSUPPRESS /qn`


**NOTE:** If a previous version of Dell Command | Configure is installed in a nondefault directory, you cannot upgrade to the latest Dell Command | Configure version. Uninstall the previously installed version and do a fresh installation for the latest version.

## Upgrading in the default folder

1. Browse to the folder in which you have extracted the Dell Command | Configure installer from the Dell Update Package (DUP).
2. Run the following command: `msiexec.exe /i Command_Configure.msi /qn`  
The Dell Command | Configure components are silently installed in the following locations:
  - `C:\Program Files (x86)\Dell\Command Configure`.

# Installing Dell Command | Configure 5.2.0 for Dell Command Secure BIOS Configuration

HSM (Hardware Security Module) is used as a signing method for the **Dell Command Secure BIOS Configuration** workflow.

 **NOTE:** Dell Command Secure BIOS Configuration(DCSBC) is not compatible with ARM64-bit systems.

## Topics:

- [Prerequisites](#)
- [Configuring the Dell Command Secure BIOS Configuration Server using HTTPS](#)

## Prerequisites

**Dell Command Secure BIOS Configuration** with Dell Command | Configure allows you to use any Hardware Security Module vendor to sign the **Dell Command Secure BIOS Configuration Server** payloads. To use this method, you must meet the following prerequisites:


- **HSM Setup and OpenSSL:** Ensure that you have set up your HSM (Hardware Security Module) provider in your environment. It is recommended that using **OpenSSL** as the open-source signing tool to generate signatures, which can then be used by the Dell Command | Configure.
- **Update HSMSigning.bat File:** You must update the HSMSigning.bat file with a command compatible with your HSM setup. This file is at: C:\Program Files (x86)\Dell\Command Configure\X86\_64\HSMSigning.bat. Modify the signature generation command in line 12 according to your HSM provider requirements. The default command is: "%opensslPath%\openssl.exe" dgst -sha256 -sign "%ObfuscatedKeyPath%\%PrivateKeyName%" -out "%outlocat%\blobsignature.txt" %1 . The command that you provide should ensure that the signature is generated in the same path as specified in the default command, with the filename set as blobsignature.txt. Also, ensure not to modify the last option %1 in this command, as it allows the signature command to accept the payload file that Dell Command | Configure generates during runtime for signing.


## Installing Dell Command | Configure 5.2.0 for Dell Command Secure BIOS Configuration Server

Perform the following steps to install Dell Command Secure BIOS Configuration Server using the Dell Command | Configure Dell Command | Configure installer:

1. Run Command\_Configure.msi from PowerShell in administrator mode.  
The installation wizard is displayed.
2. Select the **Dell Command Secure Bios Configuration Server** option.
3. Click **Next**.
4. Click **Install** to begin the installation.  
The installation completion wizard is displayed.
5. Click **Finish** to complete the installation.

The **Dell Secure Configuration Service** is created and initiated in the **Windows Services** tab.

 **NOTE:** To run Dell Secure Configuration on a particular port, the port must be updated to the **appsettings.json** file at the URL line. Locate the following path, which is: C:\Program Files (x86)\Dell\Command Configure\ABIWindowsService\appsettings.json.

 **NOTE:** The start time for Dell Command Secure BIOS Configuration varies depending on the platforms—the maximum time limit is set to 2-3 minutes.

# Configuring the Dell Command Secure BIOS Configuration Server using HTTPS

The Dell Command | Configure installer configures the **Dell Command Secure BIOS Configuration Server** for HTTP calls. For added security, you can also configure the **Dell Command Secure BIOS Configuration Server** using HTTPS on the system where **Dell Command Secure BIOS Configuration** is installed, by following these steps:

1. Press the Windows key and press the R key to launch the **Run** dialog box.
2. Type **Services.msc** and then press **Enter** to open Windows Services.
3. Locate **Dell Secure Configuration Service**.
4. Right-click **Dell Secure Configuration Service**, and click **Stop**.
5. Go to the Dell Command | Configure installation path `C:\Program Files (x86)\Dell\Command Configure\ABIWindowsService\appsettings.json`, and modify the **appsettings.json** file with the following:

```
{
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft.Hosting.Lifetime": "Information"
    }
  },
  "Kestrel": {
    "Endpoints": {
      "HttpsInlineCertFile": {
        "Url": "< URL:Port>",
        "ClientCertificateMode": "AllowCertificate",
        "Certificate": {
          "Path": "<Https certificate complete path>",
          "Password": "<Https Cert Password>"
        }
      }
    }
  }
}
```

**NOTE:** The certificate to be provided must be associated to the `Url` specified in the same field. Also, specify the `ClientCertificateMode` as `AllowCertificate` to allow Dell Command Secure BIOS Configuration server to function without any issues. You must specify the complete `Path` for the `Https` certificate and the `Password` for authenticating the `Https` Certificate. The `Password` can be left empty if the `Https` certificate does not require a password authentication.

6. Save changes to the **appsettings.json** file and start the **Dell Secure Configuration Service** from Windows Services.

**NOTE:** There are other ways as well to configure an HTTPS Server. For more details, see [Configure endpoints for the ASP.NET Core Kestrel web server](#) and [Client Certificate Mode Enum](#).

# Dell Command | Configure 5.2.0 for Windows Preinstallation Environment

Windows Preinstallation Environment (WinPe) provides a stand-alone preinstallation environment that is used to prepare a system for Windows installation. For client systems that do not have an operating system that is installed, you can create a bootable image that contains Dell Command | Configure to run the Dell Command | Configure commands on Windows PE. To create Windows PE 10.0, and Windows PE 11.0 images, you can use Windows Assessment and Deployment Kit (Windows ADK).

Using Windows PE 10.0, and Windows PE 11.0, you can integrate Dell Command | Configure.

Related links:

- [Creating a bootable image preinstallation environment using Windows PE 10.0, and 11.0.](#)

**NOTE:** Dell Command | Configure 5.2.0 for Windows Preinstallation Environment is not compatible with ARM64-bit systems.

## Topics:

- [Creating a bootable image preinstallation environment using Windows PE 10.0, and 11.0](#)

## Creating a bootable image preinstallation environment using Windows PE 10.0, and 11.0

1. From the Microsoft website, download and install Windows ADK on the client system.

**NOTE:** While installing select only **Deployment Tools** and **Windows Preinstallation Environment (Windows PE)**.

2. Integrate the Dell Command | Configure directory structure into an ISO file to create a bootable ISO image.

Related Link:

- [Integrating Dell Command | Configure directory structure into an ISO file using Windows PE 11.0](#)
- [Integrating Dell Command | Configure directory structure into an ISO file using Windows PE 10.0](#)

## Integrating the Dell Command | Configure directory structure into an ISO file using Windows PE 11.0

1. Install the Windows 11 operating system.
2. Download and install Windows ADK for Windows 11 operating system.
3. Create a Windows PE 11.0 image.

Related links:

- [Creating Windows PE 11.0 image](#)

## Creating a Windows PE 11.0 image

1. Browse to C:\Program Files(x86)\Dell\Command Configure\X86\_64.
2. Open the command prompt with administrator privileges.
3. Run the following command: `cctk_x86_64_winpe_11.bat C:\winpe_x86_64 C:\Progra~2\Dell\Comman~1.`

**NOTE:** Ensure that the path that is used in the command is that of the Dell Command | Configure folder.

4. Browse to `C:\winpe_x86_64\WIM` and copy the ISO image.

## Integrating the Dell Command | Configure directory structure into an ISO file using Windows PE 10.0


1. Install the Windows 10 operating system.
2. Download and install Windows ADK for Windows 10 operating system.
3. Create a Windows PE 10.0 image.

Related links:

- [Creating a Windows PE 10.0 image](#)

### Creating a Windows PE 10.0 image

1. Browse to `C:\Program Files(x86)\Dell\Command Configure\X86_64`.
2. Open the command prompt with administrator privileges.
3. Run the following command: `cctk_x86_64_winpe_10.bat C:\winpe_x86_64 C:\Progra~2\Dell\Comman~1`.

 **NOTE:** Ensure that the path that is used in the command is that of the Dell Command | Configure folder.

4. Browse to `C:\winpe_x86_64\WIM` and copy the ISO image.

# References for Dell Command | Configure

- Dell Command | Configure User's Guide
- Dell Command | Configure Command-Line Interface Reference Guide

## Topics:

- [Accessing documents from the Dell support site](#)

## Accessing documents from the Dell support site

You can access the required documents by selecting your product.

1. Go to [Support | Dell](#).
2. Click **Browse all products**, click **Software**, and then click **Client Systems Management**.
3. To view the required documents, click the required product name and version number.