Notices

Carbonite Endpoint User Guide, version 10.11, November 2022

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One or more patents may cover this product. For more information, please visit https://www.opentext.com/patents.

If you need technical assistance, you can contact Customer Support. All basic configurations outlined in the online documentation will be supported through Customer Support. Assistance and support for advanced configurations may be referred to a Pre-Sales Systems Engineer or to Professional Services.

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# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overview</td>
<td>4</td>
</tr>
<tr>
<td>Get started</td>
<td>5</td>
</tr>
<tr>
<td>Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Install Carbonite Endpoint</td>
<td>8</td>
</tr>
<tr>
<td>Console</td>
<td>11</td>
</tr>
<tr>
<td>Protect files</td>
<td>13</td>
</tr>
<tr>
<td>Configure self-managed protection</td>
<td>14</td>
</tr>
<tr>
<td>Configure hybrid protection</td>
<td>18</td>
</tr>
<tr>
<td>Configure the protection settings</td>
<td>22</td>
</tr>
<tr>
<td>Restore files</td>
<td>24</td>
</tr>
<tr>
<td>Restore using the Carbonite Endpoint console</td>
<td>25</td>
</tr>
<tr>
<td>Restore files using the web retrieval site</td>
<td>28</td>
</tr>
<tr>
<td>Log in to the web retrieval site with two-factor authentication</td>
<td>29</td>
</tr>
<tr>
<td>Log in to the web retrieval with an emailed authentication code</td>
<td>29</td>
</tr>
<tr>
<td>Log in to the web retrieval with a code from a mobile authenticator</td>
<td>30</td>
</tr>
<tr>
<td>Set up or remove a mobile authenticator</td>
<td>30</td>
</tr>
<tr>
<td>Set up a mobile authenticator:</td>
<td>31</td>
</tr>
<tr>
<td>Remove a mobile authenticator:</td>
<td>31</td>
</tr>
<tr>
<td>Delete files on the vault</td>
<td>32</td>
</tr>
<tr>
<td>Resolve file issues</td>
<td>34</td>
</tr>
</tbody>
</table>
Overview

Carbonite Endpoint provides backup protection for desktop and laptop data. Desktops and laptops are known as devices or endpoints. All endpoints are backed up to a single location known as the vault. After the initial backup, subsequent backups are smaller and faster because only changes are backed up. An optional QuickCache can be used for faster backups in local environments. Backed up data can be restored from the vault to any device, any time, anywhere. The backup files are immutable and therefore forensically defensible.

To configure protection, an administrator or user selects the files to be backed up and how often the files are checked for changes (default every 15 minutes). Once protection is configured, the files are backed up and protected as long as the computer is running. Protection occurs locally if the computer is not connected to the local network or Internet. The changes are sent to the vault (or optional QuickCache) when the computer is back online. You do not need to take any additional action unless you want to change the protection configuration or restore files. If you want to restore files, they are downloaded from the vault to the original location or a new location. In the event your computer crashes or is stolen, you can restore all of your protected files to your replacement computer.

This document is for users running the Carbonite Endpoint console on their desktop or laptop. It includes information for protecting your data, restoring your data, and erasing your data on the vault.

If your administrator pushed the application to your device, all or part of the console may be disabled. If all of the console has been disabled, you do not need this document because your administrator will be fully controlling the application. If part of the console has been disabled, only parts of this document will be applicable to you, depending on what you have access to.
Get started

Use the following guidelines to help you get started with Carbonite Endpoint.

1. *Requirements* on page 6—Review this information to make sure your Windows or MacOS device meets the minimum requirements.
2. *Install Carbonite Endpoint* on page 8—If your administrator did not push Carbonite Endpoint to your device, you will need to install it manually.
3. *Console* on page 11—Review this section to familiarize yourself with the Carbonite Endpoint interface.
4. *Protect files* on page 13—Use this section when you are ready to select the files you want to protect.

Once protection is configured, your files are backed up and protected, as long as your computer is running. Protection occurs locally if you are not connected to the local network or Internet. The changes are sent to the vault (or optional QuickCache) when you are back online. You do not need to take any additional action unless you want to change the protection configuration or restore files. If you want to restore files, see *Restore files* on page 24, or if you want to delete files on the vault see *Delete files on the vault* on page 32.
Requirements

Your device must meet the following requirements in order to use Carbonite Endpoint.

- **Windows operating system**—The following Windows operating systems are supported.
  - Windows 11 on Arm-based processors
  - Windows 10
  - Windows 8.1
  - Windows 8
  - Windows 7

  Windows Starter Editions are not supported.

- **MacOS operating system**—The following Mac OS operating systems are supported.
  - MacOS 13.0 Ventura
  - MacOS 12.0 Monterey
  - MacOS 11.0 Big Sur
  - MacOS 10.15 Catalina
  - MacOS 10.14 Mojave
  - MacOS 10.13 High Sierra
  - MacOS 10.12 Sierra

  Starting with MacOS 10.14 Mojave, the operating system includes a security feature called Full Disk Access (FDA) which blocks applications from accessing specific locations. This may prevent Carbonite Endpoint from backing up and restoring files, such as Apple Mail, Photos, Calendar, and so on. In order to back up and restore these files, you must grant Carbonite Endpoint access within Full Disk Access. Make sure you make the following change on a MacOS 10.14 or later device.

  *Note:* The Security & Privacy UI might be different for older and newer macOS versions.

  1. Under the Apple icon, click **System Preferences, Security & Privacy**, and on the **Privacy** tab, select **Full Disk Access**.
  2. If the padlock icon is locked, click the icon and enter your MacOS credentials. Do not use your Apple ID or Carbonite Endpoint credentials.
  3. Click **Add an application** (the plus icon), highlight **Applications** on the left, select Carbonite Endpoint from the list, and click **Open**.
  4. If desired, click the padlock icon again to lock Full Disk Access.
  5. Restart the device.

- **File systems**—Case-sensitive file systems are not supported. The file system must be case-insensitive.
• **Operating system language**—Your computer can be running any language and locale. The console will be in English. However, if your administrator offers language support, your console may be localized in one of the following languages.
  • French - France
  • German - Germany
  • Italian - Italy
  • Japanese
  • Korean
  • Polish
  • Portuguese - Brazil
  • Simplified Chinese
  • Spanish - Spain
  • Turkish

• **System memory**—The minimum system memory is 1 GB.

• **Free disk space**—You must have at least 1 GB of free space on your computer.

• **Drives**—Carbonite Endpoint supports local drives only. This includes SAN drives, which appear as local drives. This does not include NAS, which appear as volumes on a file server. Additionally, it does not include cloud-only drives. Features such as OneDrive On-Demand or iCloud are not supported because the files are only stored in the cloud, even though they appear visible locally.

  On MacOS, only the system drive can be protected.

• **Browser**—You need to have a recent version of a web browser installed.

• **Microsoft .NET Framework**—For Windows computers, Microsoft .NET Framework version 4.6.2 or later must be installed. If you do not have it installed, the Carbonite Endpoint installation can install it for you.
Install Carbonite Endpoint

Your administrator may have installed Carbonite Endpoint for you. If not, you must manually install it yourself using the following instructions. These instructions to install Carbonite Endpoint follow the Windows interactive installation wizard. At a high-level, the same process is used on MacOS devices, except for a few differences outlined below and a different style interface, such as Next buttons that are labeled as Continue on MacOS devices.

1. Launch the installation file.
2. At the Welcome page, click Next to continue.
3. Review the Terms of Service. You must accept the terms in order to continue with the installation program. Click Next to continue.
4. On Windows, modify the installation location, if desired. This option is not available on MacOS devices. Carbonite Endpoint will be installed on Macintosh HD.
5. Click Next to continue.
6. On Windows, select an internal, local disk that will be used for the local data cache. The drive you select should have at least 1 GB free space. This option is not available for MacOS devices. The local data cache will be installed on Macintosh HD.

![Image of Carbonite Endpoint Setup]

7. Click Next to continue.
8. Optionally, deselect the options for the desktop shortcut and running the client after the installation. These option are not shown on MacOS devices and will automatically be enabled.
9. When you are ready to begin the installation, click **Install**.

10. When the installation is completed, click **Finish**.

11. In the **Thank you** window that opens after the installation is complete, enter your activation information.

   - **Activation Server URL** — This is the URL where files will be backed up. In most cases, you can obtain this URL from an email from your administrator.
• **Activation Code**—This is the activation code for the device. In most cases, you can obtain this activation code from an email from your administrator.

12. If you need to specify a proxy server for Internet access, click **Proxy settings** and complete the proxy information. You can complete the proxy setup after the installation is complete. See **Configure the protection settings** on page 22 for details.

13. Click **Next** to continue.

14. If you are reactivating a previously used device, you are prompted to enter a **Passphrase**. Enter it and then click **Next** to continue. You will not see this page if you are not reactivating.

15. Once the activation is complete and the account is activated, click **Close**.
Console

You can protect and restore your files using the Carbonite Endpoint console. Once you have configured your protection, you do not need to have the console running in order for your selected files to be backed up. The files are backed up and protected as long as your computer is running.

You can access the console from the desktop icon if there is one or from Start on Windows and from Launchpad on MacOS.

Three tabs, Home, Protect, and Restore appear at the top right of the console by default. These tabs allow you to access different areas of the application. Your view may vary depending on the access your administrator has granted. A Settings link at the bottom left of the console provides access to protection settings and links to console information and help. A status message at the bottom right of the console indicates whether your device is connected to the vault.

Most of your interaction will be with the three navigation tabs.

- **Home**—This is the main tab that displays protection summary and activity details for your protection and restores.

![Console](image)

- **Status**—The top section displays the current device status, including whether your device is protected or unprotected and whether your device is in the process of backing up or restoring files. This section also indicates when your next scheduled scan will occur.

  If you want to start a manual backup scan immediately, click **Scan files now**. Selecting this option resets the time of your next scheduled scan.

  An **Alerts** box displays if you have any issues with your protection. The alert also contains a link to additional information, if it is available. You can click the link to view the alert details. See **Resolve file issues** on page 34 for details.
• **Details**—This section displays information about whether a backup or restore is actively occurring and also includes processing information. If Carbonite Endpoint is not actively scanning or processing files, this section is empty.

• **Recent Activity**—This section displays individual protection scans or restore processes including the time, the number of files backed up or restored, the process status, and the type of activity. Click **Details** to view detailed information on an individual process. Details for other processing activity, for example after a device reset, may not be available.

• **Protect**—This tab is where you configure the files you want to back up. See *Protect files* on page 13 for details.

  In addition to configuring the files you want to protect, you can configure the protection process. Click **Settings** in the footer at the bottom of the console. See *Configure the protection settings* on page 22 for more details.

• **Restore**—This tab is where you can restore files that have been protected. See *Restore using the Carbonite Endpoint console* on page 25 for details.

  Depending on your device configuration, especially if you are running anti-virus or firewall software, you may see the console indicate it is not responding. This is generally a transient issue that will resolve itself. If you find the console frequently not responding, you may want to contact your administrator to see about approving Carbonite Endpoint as a safe application within your anti-virus or firewall.
Protect files

There are three types of protection configurations. Your administrator determines the type you are using.

- **Administrator managed**—Your administrator is controlling which files are and are not protected on your device. If you are configured for this type of protection, the Protect tab is not available, and only the Home and Restore tabs are displayed. The related protection topics are not relevant to this configuration.

- **Self managed**—You control which files are and are not protected on your device. If you are configured for this type of protection, you will see the Home, Protect, and Restore tabs. The Protect tab is where you will configure your protection. See *Configure self-managed protection* on page 14 for details.

- **Hybrid**—Your administrator configures default files to protect or not protect on your device, and you have the option to include or exclude additional files if desired. You should initially see an alert on the Home page, informing you that you can add additional files if you want to. Once the alert is dismissed, you will not see it again. If you are configured for this type of protection, you will also see the Protect and Restore tabs. The Protect tab is where you can include or exclude additional files. See *Configure hybrid protection* on page 18 for details.

Regardless of your protection configuration, there are default protection settings configured by your administrator. You may or may not be able to override the defaults, depending on the access your administrator has granted. If you are able and so desire, you can modify these settings. See *Configure the protection settings* on page 22 for details.
Configure self-managed protection

Go to the Protect tab. If this tab is not visible, your administrator is controlling protection and this section is not applicable to you.

A self-managed protection configuration is indicated by a table under the Protect tab that has check boxes on the left side of each table row. Use this section to configure your self-managed protection. If the table does not have check boxes on the left side of each table row, you have a hybrid protection configuration. See Configure hybrid protection on page 18 for details.

The Protect tab is divided into two sections.

- **What would you like to protect**—This section contains backup rules that define the files to include in your backup.

- **What would you like to exclude**—This section contains exclusion rules that define the files to exclude from the backup.

The include and exclude sections are defined by a file type and a location. The file type can be pre-defined (all files, documents, email files, music and audio files, photos and images, or videos), or it can be a custom file type that you create. The location can be one specific location or multiple locations.

If you do not see the table of available items in either the protection or exclusions sections, click See file types.

1. Select any of the pre-defined file types and default locations for backup or exclusion by clicking the check box to the left of the item. For a complete list of the file extensions classified within a file type, hover over the file type name or click Edit to see the details of the backup or exclusion rule.

   - **All Files, My Documents**—On Windows devices, this option backs up or excludes all files stored in your My Documents folder.

   - **All Files, Documents**—On MacOS devices, this option backs up or excludes all files stored in your Documents folder.

   - **Documents, internal drives**—This option backs up or excludes all documents stored on all internal drives on your device.
• **Email Files, internal drives**—This option backs up or excludes all email related files stored on all internal drives on your device.

• **Music & Audio, internal drives**—This option backs up or excludes all music and audio files stored on all internal drives on your device.

• **Photos & Images, internal drives**—This option backs up or excludes all photo and image files stored on all internal drives on your device.

• **Videos, internal drives**—This option backs up or excludes all videos stored on all internal drives on your device.

2. If you want to modify the location of any of the pre-defined file types, use the following steps.
   a. Click **Edit** to view the rule details.
   b. Click **Add a specific location**, select a volume or folder, and click **OK**. The location is included or excluded recursively, meaning the rule is automatically applied to the subfolders of the specified path (unless another rule exists for a subfolder).

   ![Image of a specific location](image)

   c. Repeat the previous step to add multiple locations. Review the caveats below to understand how multiple rules interact with one another.
   d. If you need to remove a custom location, click **Remove**. Remove all custom locations to go back to the default location.
   e. Click **Save** to save the modified rule.

3. If you want to create your own file types to back up or exclude, use the following steps.
   a. Click **Add a file type and location**. If the link is not visible, click **See file types** to expand the table.
   b. Specify the details for the rule.

   ![Image of adding a file type](image)

   • **File type**—Specify a unique and descriptive name for the types of files you want to back up or exclude.
• **File extension details**—Specify the file extensions you want to back up or exclude. If you want to specify more than one extension, separate them with a space. Do not use periods, commas, asterisks, or any other characters specified in the console as invalid.

• **File type location**—Specify the location to look for these types of files. The location is included or excluded recursively, meaning the rule is automatically applied to the subfolders of the specified path (unless another rule exists for a subfolder).
  a. Click **Add a specific location**, select a volume or folder, and click **OK**.
  b. Repeat the previous step to add multiple locations. Review the caveats below to understand how multiple rules interact with one another.
  c. If you want to remove a location, click **Remove**.

Keep in mind the following when defining and selecting your rules.

• A rule for a file type will take precedence over a rule for **All Files**.

• In the case of multiple rules, files use the rule that is closest in the folder structure to them. In the following example, all files and folders under My Documents (which is C:\Users\UserName) will be backed up (the first rule). However, video files will be excluded from C:\Users\UserName and its subfolders (the third rule), except the videos located in C:\Users\UserName\Folder1\Folder2 and its subfolders will be included (the second rule).

• There are some default exclusions which cannot be overridden. For example, on Windows, system files and files and folders marked with an offline attribute are not backed up. On
MacOS, block devices are not backed up. On both operating systems, .tmp files are not backed up. Contact your administrator for a full list of excluded files.

- If you are using a newer version of a OneDrive client on a MacOS (Version 22.002.0103.0004 and later), files that appear as cloud only are not backed up by Carbonite Endpoint. OneDrive files that are stored locally are backed up on all MacOS OneDrive versions.
- Your administrator limits the size of the files that are backed up. For example, if the administrator sets the maximum file size to 10 GB, then files included in a backup rule that are larger than 10 GB are not backed up.

Once you have configured your protection, you can wait until the next scheduled scan or you can click Scan files now on the Protect page or on the Home page. If you manually scan, the timing of your next scheduled scan is reset.

Starting with MacOS 10.14 Mojave, the operating system includes a security feature called Full Disk Access (FDA) which blocks applications from accessing specific locations. This may prevent Carbonite Endpoint from backing up and restoring files, such as Apple Mail, Photos, Calendar, and so on. In order to back up and restore these files, you must grant Carbonite Endpoint access within Full Disk Access. Make sure you make the following change on a MacOS 10.14 or later device.

**Note:** The Security & Privacy UI might be different for older and newer macOS versions.

1. Under the Apple icon, click **System Preferences, Security & Privacy**, and on the Privacy tab, select **Full Disk Access**.
2. If the padlock icon is locked, click the icon and enter your MacOS credentials. Do not use your Apple ID or Carbonite Endpoint credentials.
3. Click **Add an application** (the plus icon), highlight **Applications** on the left, select Carbonite Endpoint from the list, and click **Open**.
4. If desired, click the padlock icon again to lock Full Disk Access.
5. Restart the device.
Configure hybrid protection

Go to the Protect tab. If this tab is not visible, your administrator is controlling protection and this section is not applicable to you.

A self-managed protection configuration is indicated by a table under the Protect tab that has check boxes on the left side of each table row. See Configure self-managed protection on page 14 for details. If the table does not have check boxes on the left side of each table row, you have a hybrid protection configuration. Use this section to configure your hybrid protection. Note that this section describes the optional process of including or excluding additional files, in addition to those configured by your administrator. If you do not make any modifications, you will still be protected using your administrator-defined rules.

The Protect tab is divided into two sections.

- **What would you like to protect**—This section contains backup rules that define the files to include in your backup.
- **What would you like to exclude**—This section contains exclusion rules that define the files to exclude from the backup.

The include and exclude sections are defined by a file type and a location. The file type can be pre-defined (all files, documents, email files, music and audio files, photos and images, or videos), or it can be a custom file type that you create. The location can be one specific location or multiple locations.

If you do not see the table of available items in either the protection or exclusions sections, click See file types.

<table>
<thead>
<tr>
<th>File Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Files</td>
<td>custom</td>
</tr>
<tr>
<td>Documents</td>
<td>custom</td>
</tr>
<tr>
<td>Email Files</td>
<td>custom</td>
</tr>
<tr>
<td>Music &amp; Audio</td>
<td>none defined</td>
</tr>
<tr>
<td>Photos &amp; Images</td>
<td>none defined</td>
</tr>
<tr>
<td>Specific file types</td>
<td>none defined</td>
</tr>
<tr>
<td>Videos</td>
<td>none defined</td>
</tr>
</tbody>
</table>

1. You may be able to see what your administrator has already configured by hovering over a **File Type** or **Location** in a row in the protect or exclude table. The tooltip displays the types of files that are included or excluded and the location the inclusion or exclusion is applied to. Keep in mind the following for the hover text.
   - User-created rules, if any exist, are displayed first.
   - Administrator-created rules are displayed after user rules.
   - A maximum of three rules are displayed in the hover text.
   - An ellipsis (...) indicates additional rules that are not displayed in the hover text.
2. If you want to view all of the rules for a file type or add additional locations to a file type, click Edit. The defined Administrator Rules display at the bottom of the page.
   a. Identify the location.
      • **Add a specific location**—Click Add a specific location, select a volume or folder, and click OK. The location is included or excluded recursively, meaning the rule is automatically applied to the subfolders of the specified path (unless another rule exists for a subfolder). Consider the following when adding rules.
         - If your administrator has already defined a rule, you do not need to define the same rule.
         - If your rule conflicts with an administrator rule, you may or may not be able to save your rule, depending on whether your administrator allows overrides of the administrator rule. See the Allow Override column in the Administrator rules table. If overrides are allowed, your rule will take precedence over administrator rules. If overrides are not allowed, you cannot create a rule that conflicts with an administrator rule.

Repeat this step to add multiple locations. Review the caveats below to understand how multiple rules interact with one another.

   • **All internal hard drives**—Click All internal hard drives to select all hard drives without having to enter them individually. Any custom locations you may have already specified are removed if you select this option. This option is not available if the File type is All Files.

b. If you must remove one of the locations you defined, click Remove.

c. Click Save to save the modified rule.

3. If you want to create your own file types to include or exclude, click Add a file type and location. (If the link is not visible, click See file types to expand the table.)
   a. Specify the details for the rule.

   • **File type**—Specify a unique and descriptive name for the types of files you want to include or exclude.
   • **File extension details**—Specify the file extensions you want to include or exclude. If you are specifying more than one extension, separate them with a space. Do not use periods, commas, asterisks, or any other characters specified in the console as invalid.
   • **File type location**—Specify the location to look for these types of files. The location will be included or excluded recursively, meaning the rule is automatically applied to the subfolders of the specified path (unless another rule exists for a
subfolder).

- **Add a specific location**—Click *Add a specific location*, select a volume or folder, and click *OK*. Repeat this step to add multiple locations. Review the caveats below to understand how multiple rules interact with one another.

- **All internal hard drives**—Click *All internal hard drives* to select all hard drives without having to enter them individually. Keep in mind that any custom locations you may have already specified are removed if you select this option.

b. If you must remove a location, click *Remove*.

c. Click *Save* to save your rule.

If you want to delete a custom rule, go back to *Edit* and click *Delete set*.

Consider the following when defining and selecting your rules:

- A rule for a file type takes precedence over a rule for *All Files*.

- In the case of multiple rules, files use the rule that is closest in the folder structure to them. In the following example, all files and folders under My Documents (which is C:\Users\UserName) will be backed up (the first rule). However, video files will be excluded from C:\Users\UserName and its subfolders (the third rule), except the videos located in C:\Users\UserName\Folder1\Folder2 and its subfolders will be included (the second rule).

- There are some default exclusions which cannot be overridden. For example, on Windows, system files and files and folders marked with an offline attribute are not backed up. On MacOS, block devices are not backed up. On both operating systems, .tmp files are not backed up. Contact your administrator for a full list of excluded files.

- If you are using a newer version of a OneDrive client on a MacOS (Version 22.002.0103.0004 and later), files that appear as cloud only are not backed up by Carbonite Endpoint. OneDrive files that are stored locally are backed up on all MacOS OneDrive versions.
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Once you have configured your protection, you can wait until the next scheduled scan or you can click **Scan files now** on the **Protect** page or on the **Home** page. If you manually scan, the timing of your next scheduled scan is reset.

Starting with MacOS 10.14 Mojave, the operating system includes a security feature called Full Disk Access (FDA) which blocks applications from accessing specific locations. This may prevent Carbonite Endpoint from backing up and restoring files, such as Apple Mail, Photos, Calendar, and so on. In order to back up and restore these files, you must grant Carbonite Endpoint access within Full Disk Access. Make sure you make the following change on a MacOS 10.14 or later device.

*Note:* The Security & Privacy UI might be different for older and newer macOS versions.

1. Under the Apple icon, click **System Preferences**, **Security & Privacy**, and on the **Privacy** tab, select **Full Disk Access**.
2. If the padlock icon is locked, click the icon and enter your MacOS credentials. Do not use your Apple ID or Carbonite Endpoint credentials.
3. Click **Add an application** (the plus icon), highlight **Applications** on the left, select Carbonite Endpoint from the list, and click **Open**.
4. If desired, click the padlock icon again to lock Full Disk Access.
5. Restart the device.
Configure the protection settings

The default protection settings are configured by your administrator. You may or may not be able to override the defaults, depending on the access your administrator has granted. Use the following steps to configure the protection settings.

1. Click Settings at the bottom left of the console.
2. Configure your protection settings as required.

- **Backup Frequency**—Set the time interval between scans. Scans occur independently of file processing and uploading. The next scan will start even if a previous scan has not completed its processing and uploading. If you manually scan before the next scheduled scan is set to run, the next scheduled scan time is reset.

- **Backup Scheduling**—Enable this option if you want to limit the time frame for scans. Setting a **Start Time** and **End Time** ensures that scans only occur between those times. Consider the following when configuring and using a schedule.
  - The difference between the two times must be at least one hour.
  - If the difference between the two times is smaller than the **Backup Frequency**, the scan will only run once when the backup schedule begins.
  - If the difference between the two times is larger than the **Backup Frequency**, the scan will run when the backup schedule begins and then run again at each specified interval until the backup schedule ends.
  - All scans that start before the end of the schedule will complete, even if the end of the schedule is reached before the scan is complete.
  - You can start a manual scan at any time by clicking **Scan files now** on the Home page or Protect page. Performing a manual scan resets the next scheduled scan time.

- **Network Utilization**—Select how much of the available network Carbonite Endpoint should use for backups. (This setting does not apply when restoring.)
  - **Use reduced network bandwidth for minimal impact on other applications**—Select this option to use only a portion of the network for backup data. Your administrator controls the upload rate. This option reduces the impact on other
applications running on your device, but slows down the data transfer.

- **Use all available network bandwidth**—Select this option to use all available network bandwidth for backup data. This option transfers the data as quickly as possible. You may want to use this option temporarily, for example during the initial backup or if you expect a large data change.

3. If you need to configure a proxy server to connect to the Internet, click **Proxy settings**.
   - **No proxy**—Select this option if you do not need a proxy server to connect to the Internet.
   - **Automatically detect settings**—Select this option to allow Carbonite Endpoint to automatically detect your proxy server configuration.
   - **Specify the server and port**—Select this option if you want to specify the server (by name or IP address) and port number to use.
   - **Use automatic configuration script**—Specify this option if you want to specify a server (by URL) that contains a proxy configuration script to use.
   - **Proxy authentication**—If your proxy server requires authentication, specify the access credentials.

After you have configured your proxy server settings, click **Save**.

4. When your protection settings are complete, click **OK**.
**Restore files**

You can restore your protected files from the vault. This can be helpful if you accidentally deleted a file, require an older version of a file, or need all of your files because your computer crashed or you received a new computer.

There are two ways to restore files:

- *Restore using the Carbonite Endpoint console on page 25*—You can restore a volume, folders, or files from the **Restore** page in the Carbonite Endpoint console. You can choose from the most recent version or a previous version. If you cannot find the Carbonite Endpoint console, contact your administrator.

- *Restore files using the web retrieval site on page 28*—You can restore the most recent version of a file using the web retrieval site. If you do not have permission to access the web retrieval site, you can only restore files using the Carbonite Endpoint console.

If you do not want to restore your own files, your administrator can also restore files for you.
Restore using the Carbonite Endpoint console

You can restore a volume, folders, or files from the Restore page in the Carbonite Endpoint console. You can choose from the most recent version or a previous version. This may be helpful if you accidentally deleted a file, require an older version of a file, or if you need all of your files because your computer crashed or you received a new computer.

Your administrator can also restore files for you.

If you cannot find the Carbonite Endpoint console, contact your administrator.

1. Go to the Restore page.

   Carbonite Endpoint may display a message asking you if you want to restore from a previous installation. If you select Yes, the files backed up with the most recent previous version (not an older previous version or the currently installed version) are automatically selected. See the Restore point description below for more information.

2. Select the volume, folder, or file that you want to restore in the table. Use the breadcrumb links above the table to move back up the folder tree.

Consider the following when using the table.

- You can select multiple items by using the Shift and Ctrl keys.
- Use the search box to locate specific items in multiple locations.
- Enable Include deleted files to view items that have been deleted from your device but are still on the vault. This option also displays files that are still on the vault that were once included in your backup rules but are now removed from the backup rules.

Files that were being protected and were renamed or moved are treated as deleted files. You will see the original file name or file location when you show deleted files.
To display only the volumes, folders, and files protected at a specific date and time, click **Restore point** above the search box. This option lets you restore a previous version of a file.

- **Most recent**—This option restores the most recent version that was backed up.
- **Include files backed up at this time**—Select a date and time from the calendar and clock to restore the version of the file from that date and time. The file must have existed at the backup date and time and must still exist on the vault. Keep in mind, the date and time indicates when the file was backed up, and this may not be the same as the date and time when the file was saved.
- **Select Today**—Click this option to use the current date and time. This is equivalent to the **Most recent** option that was the default.
- **Or, select a previous install**—Select the installation date and time associated with the files you want to restore.
  - **Restore from current backup**—This option uses the files backed up by the current installation. Files that were backed up before this version was installed will not be listed in the table.
  - **Date and time**—If you had previous versions of Carbonite Endpoint installed and then uninstalled it, the previous versions will be listed by the uninstall date and time. If you select a previous installation, files that were backed up while this version was running will be available for restore, if they still exist on the vault.

3. **Click Next** to continue.
4. **Review the Restore summary** and select your restore settings as required.

![Confirm your restore settings](image)

- **Restore location**—Select where you want to restore the files.
  - **New location**—Select this option and specify an existing volume or folder where you want to restore the files.
  - **Original location**—Select this option to restore the files back to their original location, which is the location where they existed when they were backed up.

Before restoring files, whether you are restoring to the original location or a different location, make sure you have enough free space for the amount of data being restored. In most cases, the free space must be at least as large as the amount of data you are restoring. In some unique situations, such as restoring a single, large, non-compressible file, you may require free space that is at least
two times as large as the file you are restoring so that the non-compressed blocks can be downloaded and the final file created.

- **Name conflict**—Specify the method to resolve file name conflicts.
  - **Create a new file with appended file name**—If a file with the same name already exists in the specified Restore location, leave the existing file and restore the backup file using a new file name. The new file name will have .restored* inserted between the file name and the extension, where * is an incrementing number if the same restored file name already exists. For example, if you backed up File.doc, the restored file name will be File.restored.doc. If you restored that file again, the second restored file name will be File.restored2.doc. Restoring a third time would create a file named File.restored3.doc and so on.
  - **Overwrite existing file**—If a file with the same name already exists in the specified Restore location, that file will be overwritten by the restored file.

5. If you want to go back and view the files you are restoring, click **Back**.
6. When you are ready to begin the restoration, click **Restore**.
Restore files using the web retrieval site

You can restore the most recent version of a file using the web retrieval site. If you do not have permission to access the web retrieval site, you can only restore files using the Carbonite Endpoint console. See Restore using the Carbonite Endpoint console on page 25. Alternatively, your administrator can restore files for you.

1. Obtain the URL for the web retrieval site from your administrator, if you do not already have it.
2. Open a web browser and enter the web retrieval site URL in the address bar.

   If a cookies preferences banner appears, you must accept or reject optional cookies before you can log in. You can only reject optional cookies; you cannot reject cookies that are necessary for Carbonite Endpoint. Your cookie preferences are saved for a year in the browser, unless you clear your cookies.

3. On the login page, type your email address and password and click Login.

   If you are prompted for an authentication code, enter an authentication code from your email or third-party authenticator app. For more information, see Log in to the web retrieval site with two-factor authentication on page 29.

4. Select your device from the list of devices.

5. Enter the name, or part of the name, of the file you want to restore in the search field. Be as specific as possible because the file list is limited to 20 files. If more than 20 files match your search, you may not see the file you want to restore. You can also use the search categories to narrow the file list, however the list is still limited to 20 files. You may still need to add the name, or part of the name, of the file in the search field.

   ![File List](image)

   To return to the previous page, click the curved arrow in the upper left corner, above the file list.

6. Click on the file you want to restore.
7. Confirm in the file details that it is the file you want to restore, then click **Download**. The file is automatically downloaded to the default download location on the computer you are using.
8. Repeat these steps for any other files you want to restore.
9. When you are finished, click the X in the upper right corner, above the file list, to log out.

**Log in to the web retrieval site with two-factor authentication**

Two-factor authentication (2FA), also called multi-factor authentication (MFA), provides increased security for your data. When 2FA is enforced, you must enter an authentication code when you log in to the web access site to restore files.

You can receive an authentication code using two methods:

- **Email**—You can receive an authentication code in an email. This is the default 2FA method.
- **Mobile authenticator**—If you set up a mobile authenticator, you can obtain an authentication code from a third-party mobile authentication app, such as LastPass Authenticator, Microsoft Authenticator, or Google Authenticator, on your Android or iOS device. If you obtain codes from a mobile authenticator, you can also request authentication codes by email, if required. For more information, see *Set up or remove a mobile authenticator* on page 30.

If 2FA is not enforced, you can log in to the web retrieval site without entering an authentication code. If your company uses SSO (single sign-on), 2FA is disabled and you log in using the specified SSO method.

**Log in to the web retrieval site with an emailed authentication code:**

1. Obtain the URL for the web retrieval site from your administrator, if you do not already have it.
2. Open a web browser and enter the web retrieval site URL in the address bar.

   If a cookies preferences banner appears, you must accept or reject optional cookies before you can log in. You can only reject optional cookies; you cannot reject cookies that are necessary for Carbonite Endpoint. Your cookie preferences are saved for a year in the browser, unless you clear your cookies.

3. On the login page, enter your email address and password, and click **Login**.
   A message prompts you for an authentication code from your email.
4. Check your email for a message with an authentication code.
   Make sure that Carbonite Endpoint emails are not blocked by spam filters or any other email blocking technology.
   Emailed authentication codes are valid for 5 minutes. If you do not enter the code within that time frame, you must request a new code.
5. Enter the authentication code on the web retrieval site page, and click **Validate**.
A message asks if you want to set up a third-party authenticator. If you want to set up a mobile authenticator, click the link to open the Security Settings dialog box. For more information, see Set up or remove a mobile authenticator on page 30. If you do not want to set up a mobile authenticator, click the link to go to the home page.

Log in to the web retrieval with a code from a mobile authenticator:

1. Obtain the URL for the web retrieval site from your administrator, if you do not already have it.
2. Open a web browser and enter the web retrieval site URL in the address bar.

   If a cookies preferences banner appears, you must accept or reject optional cookies before you can log in. You can only reject optional cookies; you cannot reject cookies that are necessary for Carbonite Endpoint. Your cookie preferences are saved for a year in the browser, unless you clear your cookies.

3. On the login page, enter your email address and password, and click Login.
   A message prompts you for an authentication code from your mobile authenticator app.
4. Check the authenticator app for an authentication code.
5. Enter the authentication code on the web retrieval site page, and click Validate.
   If you cannot obtain an authentication code from the authenticator app, click Send new authentication code by email to log in using an emailed authentication code.

Set up or remove a mobile authenticator

When two-factor authentication (2FA) is enforced, you must enter an authentication code when you log in to the web retrieval site. See Log in to the web retrieval site with two-factor authentication on page 29.

By default, users receive authentication codes by email. If you set up a mobile authenticator, you can also obtain authentication codes from a third-party mobile authentication app on your Android or iOS device. You can set up a mobile authenticator if:

- 2FA is enforced for your company and enabled for your user.
- You have a mobile authentication app, such as LastPass Authenticator, Microsoft Authenticator, or Google Authenticator, installed on your Android or iOS device.

You can also remove a mobile authenticator from your account. If you remove a mobile authenticator, you must receive an authentication code by email when you next log in. System administrators can also remove users’ mobile authenticators.
Set up a mobile authenticator:

1. Do one of the following:
   - When logged in to the web retrieval site, click the gear icon at the top right corner of the page.
   - Log in using an emailed authentication code. See *Log in to the web retrieval site with two-factor authentication* on page 29. A message asks whether you would like to configure a third-party authenticator on your account. Click *Yes, take me to my security settings.*

2. Using a mobile authentication app on your Android or iOS device, scan the QR code shown on the page.
   - If you cannot to scan the code, click the *Can't scan the QR code?* link to display the key and enter the key manually.

3. Check the authenticator app for an authentication code. Enter the code and click *Save*.
   - A message indicates that an authenticator was successfully registered to your account.

4. Click *Close*.

Remove a mobile authenticator:

1. When logged in to the web retrieval site, click the gear at the top right of the page.

2. Click *Remove authenticator*.

3. Check your email for a message with an authentication code.
   - Emailed authentication codes are valid for 5 minutes. If you do not enter the code within that time frame, you must request a new code.

4. Enter the authentication code in the Security Settings dialog box, and click *Remove*.
   - The mobile authenticator is removed. You must enter an emailed authentication code when you next log in to the dashboard.

5. Click *Close*.
Delete files on the vault

You can delete backed up files on the vault if your administrator has granted you access (indicated by a **Vault erase** button on the **Restore** page). Consider the following caveats if you want to delete files on the vault:

- If a file is deleted on the vault, all versions of that file are deleted.
- Files deleted on the vault cannot be restored.
- Files are deleted only on the vault and are not removed from your device.
- If you delete files that are included in an active backup rule, the files are backed up again during the next scan. If you no longer want to include the file in the backup, change your protection configuration. See **Configure self-managed protection** on page 14 or **Configure hybrid protection** on page 18 for details.

Use the following steps to delete files on the vault.

1. Go to the **Restore** page.
2. Select the volume, folder, or file that you want to delete. Use the breadcrumb links above the table to move back up the folder tree.

Consider the following when using the table.

- You can select multiple items using the Shift and Ctrl keys.
- Use the search box to locate specific items in multiple locations.
- Enable **Include deleted files** to view items that have been deleted from your device but are still on the vault. When enabled, this option also displays files that are still on the vault that were once included in your backup rules but are now removed from the backup rules.

Files that were being protected and were renamed or moved are treated as deleted files. You will see the original file name or file location when you show deleted files.

- If you are deleting files on the vault, the **Restore point** option is not used. All versions of the files will be deleted.
3. Click **Vault erase**. If this button is not visible, your administrator has not granted you access to delete files on the vault.

4. Confirm you want to delete the files on the vault by clicking **Yes**.

5. When prompted, click **OK** after the vault erase request has been submitted.

You can confirm the success of the deletion on the **Home** page under **Recent Activity**.
Resolve file issues

If you had an alert on the Home page and clicked View file issues, you will go to the Issues page. Review the issues in the list and decide how you want to handle them. Select Include files in the list which have been marked as 'Stop Protecting' if you want the list of issues to include files that you previously stopped protecting.

You can select an action for individual issues or select multiple issues at once and apply the same action to all of them.

- **Retry files**—Select this option if you want to retry the selected files. The files will be retried during the next scan.
- **Stop protecting**—Select this option if you want to stop protecting the selected files. Once protection is stopped, the file will be skipped in future scans.

If you want to start protecting a file that you have previously stopped protecting, locate it in the file list by enabling the include files marked as stop protecting, and then click retry. The file will be retried during the next scan.