CrashPlan PROe Enterprise
Installation Instructions for Linux
Instructions for installation & configuration of CrashPlan PROe Enterprise Client
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Installation Requirements

Current Version
CrashPlan PROe 3.4.x

Linux
- 2.6.13 Series Kernel or newer
- 1GHZ+ x86-64 CPU
- 1GB+ Memory
- Java version 1.6+
- 250MB Drive Space
- 1024 x 768 display
Installation & Setup Quick Start

Before you Start
Since the first back up is the largest, and it starts as soon as you finish installing and connecting to the HMS CrashPlan server, here are some things you should do before you start:

• Be on campus,
• Be on the wired network (Ethernet),
• Be on your laptop’s power adapter (CrashPlan will pause itself when your battery gets to 10% remaining power),
• To make sure CrashPlan uses the fastest connection, turn off the laptop’s wireless.

Installation
1. In Terminal, navigate to the location of the extracted CrashPlan PROe installer.
2. Launch the CrashPlan PROe Installer by enter the following command:
sudo ./install.sh
3. Continue through the installation process, entering y or yes when required.
4. When the installation is finished, the application will start and you will be presented with the Setup wizard.
   a. It is not necessary to restart the computer when the installation is complete.

New Account Setup
If this is the first time you’ve installed CrashPlan PROe, select New Account.
1. In the Setup wizard, enter the following information. Some information will need to be provided to you in order to complete the setup process.
   a. First Name.
   b. Last Name.
   c. User Name- This is your eCommons ID.
   d. Password- This is your eCommons Password.
   e. Password- Please re-enter your eCommons Password a second time to confirm.
   f. Registration Key: H8RW-SK77-K7PM-C84H
   g. Server URL: mybackup.med.harvard.edu
2. Click Create Account.

Existing Account Setup
If you’ve previously setup a CrashPlan PROe Account, on this computer or any other, select Existing Account.
1) Enter your eCommons User Name.
2) Enter your eCommons password.
3) Server URL: mybackup.med.harvard.edu
4) Click Sign In.
Detailed installation instructions

Before you Start
Since the first backup is the largest, and it starts as soon as you finish installing and connecting to the HMS CrashPlan server, here are some things you should do before you start:

- Be on campus,
- Be on the wired network (Ethernet),
- Be on your laptop’s power adapter (CrashPlan will pause itself when your battery gets to 10% remaining power),
- To make sure CrashPlan uses the fastest connection, turn off the laptop’s wireless.

Installation Note:
You must have the Administrator (root) password to complete this installation.

1. Download the CrashPlan PROe installer tar file.
   a. The installer .tar file can be downloaded from: [http://it.hms.harvard.edu/pg.asp?pn=data_backup_install](http://it.hms.harvard.edu/pg.asp?pn=data_backup_install)
   b. Click on the Linux Install download file.
2. After downloading the file, **double click** on the file labeled 
CrashPlanPROe_3.3_Linux.tgz.
3. In the Archive Manager, highlight the CrashPlanPROe-install file, and click **Extract**.
4. In the Archive Manager, select **Desktop** as the destination.
5. Click **Extract**.
6. Click **Show the files** when the extraction is complete.

![Extracting files from archive](image)

6. Click **Show the files** when the extraction is complete.

7. On the Desktop, double click on the folder **CrashPlanPROe-install**. This is where the installer files will be located.

![CrashPlanPROe-install folder](image)
8. Double click on **install.sh** to launch the installation process.

9. Click **Run in Terminal**.
10. Press **Enter** or **Return** to continue.

11. Press **Enter** or **Return** to switch user to root.
12. At the prompt, enter your **Linux root user password**.

13. Press **Enter** or **Return** to view the End User License Agreement.
14. Page through the End User License Agreement (EULA) by pressing the **Space bar repeatedly** until you reach the end.

15. Type **yes** to agree to the EULA.

16. If prompted to install Java, press **Enter** or **Return**.
17. Accept the default locations for the installation.
   a. Press **Enter** or **Return** to accept the default installation directory locations.
   b. Press **Enter** or **Return** to create the installation directory.
   c. Press **Enter** or **Return** to accept the default executable links.
   d. Press **Enter** or **Return** to accept the default backup directory.
   e. Press **Enter** or **Return** to create the backup directory.
   f. Press **Enter** or **Return** to accept the default SYSV directory.
   g. Press **Enter** or **Return** to accept the default runlevel directory.

18. Press **Enter** or **Return** to accept the settings and begin the installation process.
19. The installer will now install CrashPlan PROe software (and if needed, Java).

20. Press **Enter** or **Return** to complete the installation.
21. Press **Enter** or **Return** to start CrashPlan PROe.
22. CrashPlan PROe should now start. You can close the Terminal window.
   a. If CrashPlan PROe does not start, you can find the CrashPlan PROe application on the desktop.

23. When CrashPlan PROe starts, you will be presented with the Create Your Account window. Please continue to the section Configuring CrashPlan PROe to sign in and start the backup process.
Configuring CrashPlan PROe

Configuring the User Account
If you’ve never installed CrashPlan PROe on any computer previously, follow the instructions for Configuring a New User.

If you’ve installed CrashPlan PROe previously on ANY computer, following the instructions for Using an Existing Account.

Configuring a New User
1. Click on New Account.
2. Fill in the following fields:
   a. First Name: Your First Name.
   b. Last Name: Your Last Name.
   c. Username: Your eCommons ID.
   d. Password: Your eCommons Password.
   e. Password: Re-enter your eCommons password a second time to confirm.
   f. Registration Key: H8RW-SK77-K7PM-C84H
   g. Server URL: mybackup.med.harvard.edu
3. Click **Create Account**

![Create Account Window]

4. CrashPlan PROe should now connect to the CrashPlan PROe server.
Using an Existing Account

1. Click on **New Account**.
2. Enter the User Information
   a. Username: Your eCommons ID.
   b. Password: Your eCommons Password.
   c. PRO Server address: mybackup.med.harvard.edu
3. Click **Sign In**.

4. CrashPlan PROe should now connect to the CrashPlan PROe server.
Setup Instructions

After the installation is complete, you must choose which files to be backed up, and initiate the backup process.

The “Backup Set” is the set of files on your computer that will be backed up. Certain files and folders are backed up automatically. Other files are not backed up at all.

CrashPlan PROe will backup your Mac OS X Home folder by default. Your home folder contains everything that is on the Desktop (/Users/home/Desktop). You do not need to make any changes to backup your home folder.

This section provides instructions on how to modify the files being backed up.

Files that are not Backed Up

Some file types will not be backed up by default:
- Audio files (mp3, AIFF, etc)
- Movie files (mov, mp4, wmp, etc).
This can be changed on request.

Folders that are not backed up and cannot be added to the Backup Set:
- Linux:
  - Applications & Application directories
  - Linux System files & directories
  - Temporary and Cache files & directories
  - Invisible files & directories located outside the user's home directory.
Selecting Files to backup

1) To choose which files to back up, click on the **Backup** tab in the left side column.
2) In the **Files** section click the **Change** button.
3) The **Change File Selection** window will open. This window will allow you to navigate through the file system of the hard drive and select which files and folders should be backed up.

4) To navigate through folders, **click on the disclosure triangle** to the left of the folder name. The folder will expand to show its contents.
5) **Select** a folder or file for backup **by clicking in the box** to the left of the folder or file. A checkmark will appear marking this file for backup.
   a. A checkmark will also appear for files and folders located within the folder you just selected. Check or uncheck as desired to enable or disable the backup selection.
6) Your Linux Home folder will be selected by default. You do not need to change this selection, however you can uncheck files or folders within your home folder if you do not wish to back them up.
   a. It is NOT necessary to backup the hmsadmin folder, if present.
7) After you’ve finished modifying which files to backup, click Save to make the changes.Folders that are not backed up:
8) CrashPlan PROe will adjust the backup set, and will update the Total file count and size. You will see this when you close the file selection window.
Increasing Initial Backup Speed
After CrashPlan is connected to the server and you’ve selected files, follow the instructions outlined in the CrashPlan PRO Increase Speed of Initial Backup documentation to enable CrashPlan to work as quickly as possible during the first backup.

- Don’t do anything else with your computer until the first backup is completed.
- The CrashPlan PRO Increase Speed of Initial Backup also include steps for returning CrashPlan back to “inconspicuous mode”.

Starting the Backup
The backup will start automatically as soon as CrashPlan PROe is launched the first time.

At this point, CrashPlan PROe will begin cataloging the files to be backed up. Once the cataloging is complete, CrashPlan PROe will compress and securely encrypt the files prior to transmission to the backup server.

Any changes you make to the files being backed up will be added the next time the backup runs.

A Note About Backup Speed
The first time the backup is run, it can take a very long time to complete. In some cases it could take up to a week or more to complete, depending on how much data is being backed up and the quality of the Internet connection. This is normal behavior. It is strongly recommended that the first backup be performed on the HMS campus in order to expedite the first backup, as well as minimize any risk of exceeding your local broadband provider data caps.