

Dopo aver installato il sistema operativo sull'hard disk è prudente effettuare una immagine della partizione o dell'intero disco. Nel caso di un guasto - disaster recovery - in pochi minuti potremo ripristinare il sistema partendo dall'immagine effettuata.

Disporre del programma su una memoria usb è davvero molto comodo.

Di seguito le istruzioni per creare una memoria usb bootable con uno dei migliori programmi di clonazione dischi oltretutto freeware.

Scarica il programma di clonazione dischi Clonezilla: https://drive.google.com/open? id=0B6c5WPcFD-7nQXJfOHJsSlhGdTg



Scarica il programma Yumi per installare Clonezilla su una memoria usb: https://drive.google.com/open? id=0B6c5WPcFD-7nZkpid3JmM3hFWEE Questo programma è per sistemi operativi MS Windows XP/Vista/7/8/10.

Avvia Yumi e segui gli step come indicato.

Drive Selection and Distro Options Page Choose your Flash Drive, and a Distro, ISO/ZIP file. Additional Distributions can be added each time this to	penariveunux.co YUMI
Step 1: You Selected E: as your USB Device	View or Remove Installed Distros
E:\MULTIBOOT 7GB V Show All Drives?	Format E: Drive (Erase Content)?
Step 2: Select a Distribution to put on E:	Leveline Coloriad
Ubuntu 🗸	Vigit the Ubuntu Home Page
Step 3: Browse and Select your ubuntu*desktop*.iso	Show All ISOs?
C:\Users\Desktop\ubuntu-16.04-desktop-amd64.iso	Browse
Step 4: Set a Persistent file size for storing changes (C	optional). IB
Click HERE to visit the YUMI page for additional Help!	
14	

Step 1: seleziona la memoria usb da utilizzare: attenzione! tutti i dati contenuti verranno sovrascritti.

Step 3: click [Browse] e seleziona l'immagine clonezillalive-20140915-trusty-i386.iso precedentemente scaricata.

Step 4: click [Create] per avviare la procedura di creazione.

Ora devi avviare il pc contenente l'hard disk da clonare, ma facendo in modo che il boot avvenga dalla memoria usb. Solitamente i tasti [F8], [F11] o [F12] consentono di scegliere da quale dispositivo (hard disk, cd-rom, usb memory) eseguire il boot. Altrimenti è necessario entrare nel bios con i tasti [Canc/Del], [F2] o [Esc] e indicare la memoria usb quale dispositivo di boot.

Una volta avviato il pc dalla usb memory apparirà il menu di boot.

Selezionare [Clonezilla] con i tasti freccia [/] e [V] e premere [Invio].

Per la **creazione dell'immagine di una partizione** procedi come indicato.

1. Seleziona [device image] con le frecce della tastiera e poi premi [Invio]

*	Termin	nal - user@zis-pc1: ~
File Edit View	Terminal Tabs	Help
CHC Free Softwa	re Labs, Taiwan	
	- Clonezilla - (Opensource Clone System (OCS)
Clonezilla is	free (GPL) soft	ware, and comes with ABSOLUTELY NO WARRANTY
space key to m	now on, in muttip ark your selectio	on. An asterisk (*) will be shown when the
selection is d	one///	
Two modes are	available, you ca	an rtition using an imago
(2) disk to di	sk or partition	to partition clone/restore.
Select mode:	·	
device-imag	e	work with disks or partitions usi
device-devi	.ce	work directly from a disk or part
	<0k>	<cancel></cancel>
2 col		ldovi
2. sele	eziona [loca	l dev]
2. sele	eziona [loca	l dev]
2. sele	eziona [loca	I dev] nal-user@zis-pc1:~ − -
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2. sele • File Edit View CHC Free Softwa	eziona [loca Termin Terminal Tabs re Labs, Taiwan Mount Cla	l dev] nal-user@zis-pc1:~ Help onezilla image directory
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2. Sele File Edit View CHC Free Softwa Before cloning to or read fro /home/partimag /home/partimag local dev ssh server samba_serve	eziona [loca Termin Terminal Tabs re Labs, Taiwan Mount Clu , you have to ass m. We will mount . The Clonezilla	<pre>I dev] nal-user@zis-pc1:~ Help onezilla image directory sign where the Clonezilla image will be saved that device or remote resources as image will be saved to or read from Use local device (E.g.: hard driv Use SAMBA server (Network Neighbo</pre>
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3. Collega un eventuale usb hard disk dove fare l'immagine, attendi 5 secondi e premi [Invio].



4. Seleziona con le frecce della tastiera l'usb hard disk dove verrà fatta l'immagine.



 Puoi selezionare una cartella di destinazione per l'immagine, oppure lascia la [Top directory] e premi [Invio].



 A questo punto puoi decidere se fare una copia dell'intero hard disk [savedisk] o di una sola partizione [saveparts]

-				Termi	inal - user@zis-pc1:~ - + ×
File	Edit	View	Terminal	Tabs	Help
NCHC	Free	Softwa	re Labs, 1	Faiwan	
1	leneri	Clon	ezilla - ()pensou	Irce Clone System (OCS): Select mode
Th:	is sof	tware	will over	vrite t	the data on your hard drive when restoring! It
is	recom	mended	to backup	o impor	rtant files before restoring!***
	/Hint! ace ke	From v to m	now on, 11 ark vour 9	r multi selecti	Iple choices are available, you have to press
se	lectio	n is d	one///	, cecce	toni An asterisk () wree be shown when the
			savodia	ek Car	volocal dick as an imago
			savepar	rts Sav	ve local partitions as an image
			exit	Exi	it. Enter command line prompt
			<0k>	•	<cancel></cancel>

7. Il programma suggerisce il nome da dare all'immagine che può essere ulteriormente personalizato.

-				Termi	inal - user@zis-pc1:~	+	×
File	Edit	View	Terminal	Tabs	Help		
NCHC	Free	Softwa Clonez Input a Vin7-20	re Labs, ' illa - Op name for 16-09-12-2	Taiwan ensourc the sa 20-img	ce Clone System (OCS) Mode: saveparts h aved image to use		
			<	0k>	<cancel></cancel>		

 Avendo scelto di fare l'immagine di una partizione, il programma chiede quale partizione. Selezionare la partizione con le frecce della tastiera e preme la [Barra spaziatrice], poi [Invio].

▼ File Edit View Terminal NCHC Free Software Labs, 1	Terminal - user@zis-pc1:~ − + × Tabs Help faiwan
Choose if you want to ch This option is only for fsck on GNU/Linux, like	Vanced extra parameters Mode: saveparts heck and repair the file system before saving it. certain file systems which are well supported by ext2/3/4, reiserfs, xfs, jfs, vfat. Not for NTFS,
-fsck-src-part -fsck-src-part-y	Interactively check and repair so Auto (Caution!) check and repair
<0k:	<pre><cancel></cancel></pre>
▼ File Edit View Terminal	Terminal - user@zis-pc1:~ - + X Tabs Help
NCHC Free Software Labs, ⊺	aiwan
After the image is saved ///NOTE/// This action w not write any data to th	Vanced extra parameters Mode: saveparts 1, do you want to check if the image is restorable? Aill only check the image is restorable, and it will he harddrive.
-sc	Yes, check the saved image No, skip checking the saved image
<0k:	<pre><cancel></cancel></pre>

- 9. Ancora un [Invio] , poi digitare [Y] + [Invio] per avviare la copia.
- 10. Al termine leggere attentamente il testo prodotto dal programma per riscontrare eventuali errori.



Per il **ripristino dell'immagine di una partizione** procedi come indicato fino al punto 5 delle precedenti istruzioni.

1. Dovendo ripristinare una partizione seleziona l'opzione [restoreparts]

v	Terminal - user@zis-pc1:~ - + ×				
File Edit View Terminal	Tabs Help				
ICHC Free Software Labs, Taiwan Clonezilla - Opensource Clone System (OCS): Select mode *clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY* This software will overwrite the data on your hard drive when restoring! It is recommended to backup important files before restoring!*** ///Hint! From now on, if multiple choices are available, you have to press space key to mark your selection. An asterisk (*) will be shown when the selection is done///					
savedisk saveparts restoredisk rectoreparts 1-2-mdisks recovery-iso-zip chk-img-restorable cvt-img-compression exit	Save local disk as an image Save local partitions as an image Restore an image to local disk Restore an image to local partitions Restore an image to multiple local disks Create recovery Clonezilla live Check the image restorable or not Convert image compression formatas_another_image Exit. Enter command line prompt				
<0k	> <cancel></cancel>				

- 2. Nel caso l'unità di backup contengo più immagini, il programma consente di selezionare quella preferita per il ripristino.
- 3. Questa è la fase più delicata. Il programma chiede quale partizione deve essere sovrascritta con la copia.

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-			Termin	al - user@zis-pc1:~	- +	- >	ĸ
File	Edit Vie	w Terminal	Tabs	Help			
NCHC	Free Soft	ware Labs,	Taiwan				
Chi WII Thi thi "hi (fi hda	Clonez cose the t L BE LOST partitic first di da2" or "s db1" If or PATA) c a5 (or sda	And the second s	source (tion(s) ED!!) he devic " or "so irst pa you wan PATA, S	Clone System (OCS) Mode: restoreparts to be overwritten (ALL DATA ON THE PART e name in GNU/Linux. The first partition la1", the 2nd partition in the first disl tition in the second disk is "hdbl" or it to save is MS windows, normally C: is AATA or SCSI), and D: could be hda2 (or s	TION in is hdal sda2)	,	
	sda1			100M ntfs System Reser(In ST1000D			
	sda2 sda5			29.2G_ntfs(In_ST1000DM003-1ER1)_S 477.4G(In_ST1000DM003-1ER1)_ST100			
		<0k	>	<cancel></cancel>			

4. Per avviare la procedura di ripristino è necessario ancora un [Invio], poi digitare [Y] + [Invio].

Clonezilla consente di fare immagini di un intero disco, o duplicare un disco su un altro di capienza almeno pari, e persino di lavorare su dischi di rete.

Funziona con partizioni Linux e Windows e in generale con ogni tipo di partizioni.