

Quick Guide to Clonezilla

Date: April 10, 2014

General Information

• Software

- > clonezilla ISO file for respective CPU architecture
- Reference: clonezilla.org

• Hardware

- > Network-based storage (NFS, CIFS, SSHFS) or USB hard drive
- > Network-based storage can be a Windows or Linux server with respective file system listed above

General Information

• Network

- Network devices management IP and console IP are accessible from Cisco corporate or internal network
- Not all of the host devices will be accessible from Cisco corporate or internal network. There are private networks utilized as part of the lab and demo process

Software

- Required to have telnet client
- Required to have Microsoft Remote Desktop client
- Recommended to have either Chrome or Firefox browser
- Reference

Access Server Remotely to Boot Clonezilla

Cisco Integrated Ma ucs-c240-m3 Version: 1.5(1b)	anagement Controller	Username: Password:	admin
			Log In Cancel

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Access KVM Console

ullullu Cisco Intogra	tod Managanan	t Controllor	CIMC Hostname:	ucs-c240-m3
cisco cisco integra	iteu managemen	it Controller	Logged in as:	admin@172.29.17
CISCO THEEGRE Overall Server Status Server Admin Storage Server Admin Storage Summary Inventory Sensors Remote Presence BIOS Power Policies Faults and Logs	C C Control Co	6 Server Properties Product Name: Serial Number: PID: UUID: BIOS Version: Description: Server Status Coverall Server Status: Temperature: Power Supplies: Fans: Locator LED: Overall Storage Status:	UCS C240 M3S FCH1712V0JC UCSC-C240-M3S 61190ADE-1566-481F-B0DC-5694ADBD738B C240M3.1.5.1c.0 (Build Date: 01/31/2013) DFA2-OPENSTACK-CONTROLLER ● On ● On ● Good ● Good ● Good ● Off ● Good	admin@172.29.17
		, cisco integracea rianaq	Save Changes	Reset Values
			Save Changes	Keset values

Change the boot order to CDROM

Overall Server Status C Image: Status Server Admin Summary Summary Inventory Configure BIOS Sensors Configure BIOS System Event Log Recover Corrupt BIOS Remote Presence Sold Order BIOS Clear BIOS CMOS BIOS Image: Clear BIOS CMOS Power Policies Configure Boot Order Fault Summary Configure Boot Order Image: PXE Power Topicies Fault Summary Add > Image: FDD Add > Image: FDD Add > Image: FI Down	cisco In	tegrated Management Controller	CIMC H Log
Power Policies Fault Summary Configure Boot Order Device Types: FDD Add > Remove PXE Down FI FDD FXE FV	Overall Server Status Good Server Admin Summary Inventory Sensors System Event Log Remote Presence BIOS	C Image: Second constraints Image: Second constraints BIOS Properties Image: Second constraints BIOS Properties Image: Second constraints Running Version: Configure BIOS Recover Corrupt BIOS Image: Second constraints Boot Order Image: Second constraints Configured Boot Order Image: Second constraints Actual Boot Order Image: Second constraints Image: Second constraints Image: Second constraints Configured Boot Order Image: Second constraints Image: Second constraints Image: Second constraints Configured Boot Order Image: Second constraints Image: Second constraints Image: Second constraints <t< th=""><th></th></t<>	
Apply Cancel	Power Policies Fault Summary	Configure Boot Order Device Types: FDD FDD Add > Add > Remove PXE Down Apply Cancel	

Select Clonezilla ISO – Add Image

File	Help								
്	`кум 📑	Virtual Media]						
C	lient View								
	Mapped	Read Only	Drive					Exit	
		\checkmark	🖄 D: - CD/DVD				с	reate Image	
							(Add Image	
							Re	move Image	
								Details ±	
-	4								
1.	•								
	etails			1					
	Farget Drive	Mapped	То	Read Bytes	Write Bytes	Durat			
	/irtual CD/DVI	D Not map	ped					USB Reset	
F	Removable Di	sk Not map	ped						1
F	Торру	Not map	ped						
-	•								
-									

Select Clonezilla ISO

🖆 Open		—
Look in: 📑	Documents	- A C C 88 5
📑 ESX5.1		
🚍 Expo		
C Openstaci	_Diff	
🗋 clonezilla-	ive-2.2.0-16-amd64.iso	
File News	alanazilla liva 2.2.0.42 avad24 isa	
File <u>N</u> ame:	cionezina-ilve-2.2.0-16-amu64.iso	
Files of <u>T</u> ype:	Disk image file (*.iso, *.img)	•
		Open Cancel

Select Clonezilla ISO – Map ISO to vDVD

le Help						
S KVM 🔂 Vi	rtual Media					
Client View						
Mapped	Read Only	Drive				Exit
	\checkmark	🔊 D: - CD/DVD				0
		🗳 C:\Users\cisc	o'Documents	clonezilla-li	ve-2.2.0-1	Create Image
						Add Image
						Remove Image
						Details ±
 ▲ Details 					I	
Target Drive	Mapped	То	Read Bytes	Write Byte	es Dura	
Virtual CD/DVD	🔺 C:\Us	ers\cisco\Docu	98304	0	00:00	USB Reset
Removable Disk	Not map	ped				
Floppy	Not map	ped				
•						

Power cycle server

رابيايات Cisco Integra	ted Managemen	t Controller		CIMC Hostname: Logged in as:	vinci-ucs137-cimc admin@24.2.0.2 Log Out
Overall Server Status	C 1 4 🔠 0	0			
Good	Server Summary				
Server Admin Storage	Actions	Server Properties			
Summary	Power On Server	Product Name:	UCS C220 M35		
Inventory	Power Off Server	Serial Number:	FCH1724V0FK		
Sensors		PID:	UCSC-C220-M3S		
Remote Presence	Shut Down Server	UUID:	AE44C799-A747-4C44-A398-D0D3EFFB8692		
BIOS	Power Cycle Server	BIOS Version:	C220M3.1.5.1g.0 (Build Date: 03/15/2013)		
Power Policies	Hard Reset Server	Description:			
Faults and Logs	Launch KVM Console	Server Status			
	O Turn On Locator LED	Power State:	O on		
		Overall Server Status:	Good		
		Temperature:	Good		
		Power Supplies:	Good		
		Fans:	Good		
		Locator LED:	O off		-
		Overall Storage Status:	N/A		
		Cisco Integrated Manage	ement Controller (CIMC) Information		
		Hostname:	vinci-ucs137-cimc		V
				Save Ch	anges Reset Values

Boot Clonezilla ISO

File View Macros Tools Help	
🖆 KVM 📑 Virtual Media	
clonezilla.org, clonezilla.nchc.org.tw	
Clonezilla live (Default settings, VGA 800x600)	
Local operating sustem in harddrive (if available)	
Hentest & FreeDOS	
Network boot via iPXE	
Press ITabl to edit options	
Automatic boot in 26 seconds	
* Boot mean for BIDS working	
* Clonezilla live version: 2.2.0-16-and64. (C) 2003-2013, NCHC, Taiwan	
* Disclaimer: Clonezilla comes with ABSOLUTELY ND WARRANTY	
True Coltavar	. Cale
	Lubs
CIOCEZIIO Mational Center for High-Performance Comp	nting
	auwan

Select Language

File View Macros To	ols Help Tedia , NCHC, Taiwan	
	Choose language Which language do you prefer: ca_ES.UTF-8 Catalan Català de_DE.UTF-8 German Deutsch eh_US.UTF-8 English es_ES.UTF-8 Spanish Español fr_FR.UTF-8 French Français it_IT.UTF-8 Italian Italiano ja_JP.UTF-8 Japanese 日本語 pt_BR.UTF-8 Brazilian Portuguese Português do Brasil ru_RU.UTF-8 Russian Русский zh_CN.UTF-8 Chinese (Simplified) 简体中文 zh_TW.UTF-8 Chinese (Traditional) 正體中文 - 臺灣 <ok></ok>	

Select Keyboard Mapping

File View Macros Tools Help				
Package conf	Figuration			
	Configuring console-data The keymap records the layout of symbols on the keyboard.			
	 'Select keymap from arch list': select one of the predefined keymaps specific for your architecture (recommended for non-USB keyboards); 'Don't touch keymap': don't overwrite the keymap in /etc/console, which is maintained manually with install-keymap(8); 'Keep kernel keymap': prevent any keymap from being loaded next time the system boots; 'Select keymap from full list': list all the predefined keymaps. Recommended when using cross-architecture (often USB) keyboards. 			
	Policy for handling keymaps:			
	Select keymap from arch list D <mark>on't touch keymap</mark> Keep kernel keymap Select keymap from full list			
	<ok> <cancel></cancel></ok>			

Start Clonezilla

File View Macros Tools	ia
NCHC Free Software L	abs, Taiwan
	Start Clonezilla Start Clonezilla or enter login shell (command line)? Select mode:
	Start_Clonezilla Start Clonezilla Enter_shell Enter command line prompt
	<dk> <cancel></cancel></dk>
l	

Select device-image

File Manager Table Hale	
File View Macros Tools Help	
G KVM G Virtual Media	
NCHC Free Software Labs, Taiwan	
Clo *Clonezilla is free (GPL) soft ///Hint! From now on, if multi your selection. An asterisk (*	nezilla – Opensource Clone System (OCS) ware, and comes with ABSOLUTELY NO WARRANTY* ple choices are available, you have to press space key to mark «) will be shown when the selection is done///
Two modes are available, you c	an Thiting weight on include
 (1) Clone/restore a disk or pa (2) disk to disk or partition Select mode: 	to partition clone/restore.
douico imado work	with dicke on pontitions using images
device-device work	directly from a disk or partition to a disk or partition
<0k>	<cancel></cancel>

Select Image Repository - SSH Server

File View Macros	s Tools Help
🔓 KVM 📑 Virt	tual Media
NCHC Free Softu	ware Labs, Taiwan
	Mount Clonezilla image directory
Before clonir will mount th to or read fr Select mode:	ng, you have to assign where the Clonezilla image will be saved to or read from. We nat device or remote resources as /home/partimag. The Clonezilla image will be saved rom /home/partimag.
	local_dev Use local device (E.g.: hard drive, USB drive)
	ssh_server Use SSH server samba_server Use SAMBA server (Network Neighborhood server)
	nfs_server Use NFS server enter shell Enter command line prompt. Do it manually
	skip Use existing /home/partimag (Memory! *NOT RECOMMENDED*)
	<ok> <cancel></cancel></ok>

Select Ethernet0 Interface – lowest MAC address

File View Macros	Tools Help
	hich network device you want to configure ? eth0 Link_detected:no(NetXtreme_II_BCM57712_10 00:10:18:eb:53:b4) eth1 Link_detected:no(NetXtreme_II_BCM57712_10 00:10:18:eb:53:b6) eth2 Link_detected:yes(I350_Gigabit_Network_Conn 7c:ad:74:6e:cb:e2) eth3 Link_detected:yes(I350_Gigabit_Network_Conn 7c:ad:74:6e:cb:e3) eth4 Link_detected:yes(I350_Gigabit_Network_Conn 7c:ad:74:6e:cb:e4) eth5 Link_detected:no(I350_Gigabit_Network_Conn 7c:ad:74:6e:cb:e5)
	<ok> <cancel></cancel></ok>



File View Macros	s Tools Help tual Media
	Network Config
	Choose the mode to setup the network for this network card: eth2 dhcp Use DHCP broadcast
	pppoe Use_PPPoE enter_shell Enter_command_line_promptDo_it_manually
	<ok> <cancel></cancel></ok>



File View Macros Tools Help	
	Please enter IP Address for eth2
	<u>63.2</u> 31.223.206
	<ok> <cancel></cancel></ok>

Enter Static IP Mask

File View Macros Tools Help		
📑 KVM 📑 Virtual Media		
	Please enter Network Mask for eth2	
	255.255.255.128	

Static IP Default Gateway

File View Macros Tools Help		
	Please enter Default Gateway	
	63.231.223.129	
	<ok> <cancel></cancel></ok>	



File View Macros Tools Help		
	Please enter Nameserver(s)	
	171.70.168.183	
	<ok> <cancel></cancel></ok>	

Enter Repository Server IP

File Vi	iew Macros Tools /M 🚽 Virtual Media	Help			
NCHC F	Free Software La	bs, Taiwan			
			- Mount sshfs		
	IP address or	FQDN of the server.	E.g. 192.168.120.25 [,]	4 or hostname.domainname.org	;:
		<0k>		<cancel></cancel>	

Enter Repository Server SSH Port Number

File	View	Macros	Tools	Help						
ി	KVM	🔁 Virtu	al Media							
NCHI	C Free	e Softwa	are Lal	os, Taiwar						
		Por 22	rt to (connect to	on the remo	Mount sshf ote SSH host	s (normal por	t number i:	s 22):	
					<0k>		<cance< th=""><th>21></th><th></th><th></th></cance<>	21>		

Enter Repository Server User Account

File View Macros Tools Help		
NCHC Free Software Labs, Taiu	wan	
Account in server, the acco Ex root:	Mount sshfs ount that you have the permis	ssion to write (for saving image) or read,
cisco		
	<0k>	<cancel></cancel>

Enter Absolute Path to the image directory on the Repository Server

File View Macros Tools	Help	
🖆 KVM 🥤 🖆 Virtual Media	à	
NCHC Free Software La	bs, Taiwan	
The directory where in ssh server, Ex /	Clonezilla image will home∕partimag	Mount sshfs I be saved to or read from. ///NOTE/// use absolute path
	<0k>	<cancel></cancel>

Enter Repository Server User Password

File View Macros Tools Help
S KVM S Virtual Media
Mount SSNTS
Now you have to enter the password for: cisco@63.231.223.201:/home/cisco (If it is the first time you access the ssh server after Clonezilla live boots, for better security, a confirmation will be asked)
Mounting sshfs by: sshfs "cisco"@63.231.223.201:"/home/cisco/" /home/partimag –p 22 –o nonempty,noatime The authenticity of host '63.231.223.201 (63.231.223.201)' can't be established. ECDSA key fingerprint is 10:1b:9a:50:61:e8:59:f0:3c:79:43:82:ee:1a:03:f5. Are you sure you want to continue connecting (yes/no)? yes

Enter Repository Server User Password Cont.

File View Macros Tools Help
E KVM Svirtual Media
n de la companya de l
Mount sshfs
Now you have to enter the password for: cisco@63.231.223.201:/home/cisco (If it is the first time you access the ssh server after Clonezilla live boots, for better security, a confirmation will be asked)
Mounting sshfs by:
The authenticity of host '63.231.223.201 (63.231.223.201)' can't be established.
ECDSA key fingerprint is 10:1b:9a:50:61:e8:59:f0:3c:79:43:82:ee:1a:03:f5.
cisco@63.231.223.201's password: _

Enter Repository Server User Password Cont.

File View Macros Tools Help					
📑 KVM 📑 Virtual Media					
Mounting sshfs by:					
sshfs "cisco"@63.231.223.201:"/hom	e∕cisc	:o/" /ł	nome/pa	artima	ag −p 22 −o nonempty,noatime
cisco@63.231.223.201's password:					
The file system disk space usage					
**	*****	*****	*****	∗ж.	
Filesystem	Size	Used	Avail	Use%	Mounted on
rootts	127G	7.5M	127G	1%	
systs	0	0	0		/sys
proc	0	0 Â	0	-	/proc
doupto	10M	Ű	10M	0%	/uev /deu/ate
uevpis tmpfo	960 960	0 0060	0 260	1 0	/uev/pts /pup
/dev/sp0	129M	129M	200	100%	/lib/live/mount/medium
/dev/loon0	102M	102M	ň	100%	/lib/live/mount/rootfs/filesustem_squashfs
tmpfs	1276	10211	127G	100%	/lib/live/mount/overlay
tmpfs	127G	ŏ	127G	0%	/lib/live/mount/overlay
aufs	127G	7.5M	127G	1%	/
tmpfs	5.0M	0	5.0M	0%	/run/lock
tmpfs	51G	0	51G	0%	/run/shm
cisco@63.231.223.201:/home/cisco/	13T	482G	12T	4%	/home/partimag
***	*****	****	жжжж	∗ж.	
Press "Enter" to continue	Press "Enter" to continue				

Choose the mode to run wizard.

24.1.0.157 - KVM Console	· • 🗆
File View Macros Tools Help	
🖆 KVM 🧉 Virtual Media	
NCHC Free Software Labs, Taiwan	
₽	
Clonezilla – Opensource Clone System (OCS) Choose the mode to run the following wizard about advanced parameters: Beginner Beginner mode: Accept the default options Expert Expert mode: Choose your own options	
<ok> <cancel></cancel></ok>	

Select Clonezilla Mode – Restore Disk

📑 KVM 📑 Virtual Media	
NCHC Free Software Labs, Taiwan	
	anna Shara Sustan (SSS) salast nada
Clonezilla is free (GPL) software, ar	ad 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 restorin	ng!**** ices are available you have to press space key to mark
your selection. An asterisk (*) will b	be shown when the selection is done///
cauadick	Saus lessl dick as an image
saveparts	Save_local_uisk_as_an_image Save_local_partitions_as_an_image
restoredisk	Restore_an_image_to_local_disk
restoreparts 1–2–mdisks	Restore_an_image_to_local_partitions Restore an image to multiple local disks
recovery-iso-zip	Create_recovery_Clonezilla_live
chk-img-restorable	Check_the_image_restorable_or_not
2045	(Capeal)
	(Calicely

Restore Disk – Select Image : ucs05-buildimg/ucs34-control-img/ucs05-compute-img

File View Macros To	ools Help	
📑 KVM 📑 Virtual I	Media	
NCHC Free Software	e Labs, Taiwan	
	Clonezilla – Opensource Clone System (OCS) Mode: restoredisk Choose the image file to restore: <u>11–15–13–osc1–img 2013–1115–1002_sda_5994GB</u> 11–15–13–osc–img 2013–1115–1002_sda_5994GB <ok> <cancel></cancel></ok>	

Restore Disk



Ex. Restore Disk

Sky Virtual Media
Clonezilla – Opensource Clone System (OCS) Mode: restoredisk Choose the target disk(s) to be overwritten (ALL DATA ON THE ENTIRE DISK WILL BE LOST AND REPLACED!!) The disk name is the device name in GNU/Linux. The first disk in the system is "hda" or "sda", the 2nd disk is "hdb" or "sdb" Press space key to mark your selection. An asterisk (*) will be shown when the selection is done
sda 5994GB_MR9266-8i3600605b005e42f1019a195dc0a1ef69e
<cancel></cancel>
жжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжж

Ex. Restore Disk Cont.

SVM Virtual Media
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
DL LOGT.
Machine: UCSC-C240-M3S
sda (5994GB_MR9266-8i3600605b005e42f1019a195dc0a1ef69e)
sda1 (1.6T_boot(In_MR9266-8i_)_3600605b005e42f1019a195dc0a1ef69e)

Let me ask you again. Are you sure you want to continue?
[y/n] y
DK, let's do it!!
Shutting down the Logical Volume Manager
NO VOLUME groups tound Tinishad Shutting dawa tha Lagiaal Valuma Managan
Presting pertition in (deu(cds
Truing to clean the MBR and GPT nartition table on the destination disk first. /dev/sda
[2850 893544] sda: sda1 sda2 < sda5 >
Informing kernel the partition table has changed
Informing kernel the file system has been changed[2853.997744] sda: unknown partition table
. done!
[2855.110776] SQUASHFS error: Unable to read data cache entry [280d272]
[2855.154283] SQUASHFS error: Unable to read page, block 280d272, size 50394
strings: error while loading shared libraries: /usr/lib/libbfd–2.23.90–system.20131017.so: cannot re
ad file data: Input/output error
Non-grub boot loader found on /home/partimag/11–15–13–osc–img/sda–mbr
The CHS value of hard drive from EDD will be used for stdisk.
NO UHS VAIUE WAS TOUHU TPOM EDU INTO TOP UISK /UEV/SUA. Jajajatatatatatatatatatatatatatatatatata
τατατατατατατατατατατατατατατατατατατα
Writing the nartition table
No partition table exists in target disk /dev/sda, try to initialize one so that we can get the disk
size by parted Running: parted -s /dev/sda mklabel msdos
done!
Error! Destination disk (/dev/sda) size is 5.99TB, which is larger than the MBR partition table ent
ry maximum 2 TiB (~ 2.2 TB). You have to use GUID partition table format (GPT).
Program terminated!!
Press "Enter" to continue

Ex. Restore Disk Cont.

edia		
Partclone Partclone		
Starting to restore image (-) to device (/dev/sd Calculating bitmap Please wait done! File system: EXTFS Device size: 1.7 TB = 420690432 Blocks Space in use: 33.2 GB = 8115018 Blocks Free Space: 1.7 TB = 412575414 Blocks Block size: 4096 Byte	a1)	
Elapsed: 00:00:10 Remaining: 00:05:16 Rate: Current Block: 598304 Total Block: 420690432 Data Block Process:	6.10GB∕min	
Total Block Process:	3.06% 0.14%	

Change the boot order to HDD

Overall Server Status -		C 🛛 🕹 🗮 🖌 🔞 🕕					
Server Admin Summary	Actions Configure BIOS	BIOS Properties Running Version: C200.1.4.3c.0 (Build Date: 02/29/201					
Sensors System Event Log Remote Presence BIOS	Recover Corrupt BIOS	Configured Boot Order Actual Boot Order 1. ② CDROM 2. ➡ HDD ➡ ➡ HDD ➡ ➡ HDD ➡ ➡ Network Device 	Actual Boot Order O CD/DVD D D HDD Network Device (PXE)				
Power Policies Fault Summary	Configure Boot Order Device Types: FDD © EFI Add > < Remove	Boot Order:	ell				

Ex. Restore Disk Completed - Reboot

File View Macros Tools Help
Stream Stre
Found boot loader grub in the MBR of disk /dev/sda.
round grup 2 Installed in the restored OS nartition /dew/sda1
Yes, we are able to chroot the restored OS partition /dev/sda1.
Trying to use the grub2 in the restored OS
Running: run_grub2_from_restored_os "/dev/sda1" "/dev/sda1" "/dev/sda"
Re-installing grub2 on disk /dev/sda with grub2 dir in partition /dev/sda1 and root partition /dev/s da1 [522.854108] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
Installation finished. No error reported. done!

The NTFS boot partition was not found or not among the restored partition(s). Skip running partclone .nt <u>f</u> sfixboot.
жж <mark>ж</mark> жжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжжж
End of restoreparts job for image 11–15–13–osc–img. End of restorepairly job for image 11–15–13–osc–img.
ENU UT PESTUPEUISK JUD TUP IMAGE II-IS-ISC-IMG. Nakakakakakakakakakakakakakakakakakakak

Checking if udevd rules have to be restored
This program is not started by Clonezilla server, so skip notifying it the job is done.
rinisned! Now supcing _ flush filesustem buffers
Now synching = 4 fush 4 fiesystem but fels
Ending /usr/sbin/ocs–sr at 2013–11–15 11:26:45 UTC

If you want to use Clonezilla again:
(2) Run command "exit" or "logout"

When everything is done, remember to use 'poweroff', 'reboot' or follow the menu to do a normal powe
roff/reboot procedure. Otherwise if the boot media you are using is a writable device (such as USB f
lash drive), and it's mounted, poweroff/reboot in abnormal procedure might make it FAIL to boot next time!

Press "Enter" to continue

After reboot, use CTRL-ALT-F2 to get the login window (If you are not in login window)

Long	- 24.1.0.40 - KVM Console 🗸 📈					
File View	Macros Tools Help					
KVM VM	Ctrl-Alt-Del					
	Alt-Tab					
Ubuntu 12.	Alt-Esc	tty2		G		
	Ctrl-Esc					
orner-ues+	Alt-Space					
Ubuntu 12.	Alt-Enter	tty2				
	Alt-Hyphen					
vinci-ucs4	Alt-F4					
Ubuntu 12.	Alt DrtSern	tty2				
	F1					
vinci-ucs4	Pause					
	Tab			C20		
	Ctrl-Enter					
	SysRq					
	Alt-SysRq			Ord		
	Alt-LShift-RShift-Esc					
	Ctrl-Alt-Backspace					
	Alt-F?					
	Ctrl-Alt-F?	Ctrl-Alt-F1				
	User Defined Macros	Ctrl-Alt-F2				
		Ctrl Alt E4				
		Ctrl_Alt_E5				
		Ctrl-Alt-F6				
		Ctrl-Alt-F7				
		Ctrl-Alt-F8				
330 ps	-fe I	Ctrl-Alt-F9				
rootevinc	story i-ucs3	Ctrl-Alt-F10				
vinci	ucs05	Ctrl-Alt-F11				
vinci-	ucs30	Ctrl-Alt-F12				

Issues reported by our users when restoring images

Issue #1 encountered by our users - KVM console issue

The console application file viewer.jnlp(<u>172.29.21.213@0@1391192569073</u>) can't be opened by proper java application.

Solution: Download following JRE version and reboot Apple MAC: java -version java version "1.7.0_51" Java(TM) SE Runtime Environment (build 1.7.0_51-b13) Java HotSpot(TM) 64-Bit Server VM (build 24.51-b03, mixed mode)

Issue #2 encountered by our users - The following screen didn't show up:

📑 KVM 📑 Virtual Media		
NCHC Free Software Labs,	, Taiwan	
C1 *Clonezilla is free (G This software will ove backup important files ///Hint! From now on, your selection. An ast	lonezilla – Opens GPL) software, an erwrite the data s before restorin if multiple choi terisk (*) will b	cource Clone System (OCS): Select mode Id comes with ABSOLUTELY NO WARRANTY* on your hard drive when restoring! It is recommended to Ig!**** .ces are available, you have to press space key to mark be shown when the selection is done///
sav sav nes 1-2 nec chk exi	vedisk veparts storeparts 2-mdisks covery-iso-zip K-img-restorable it	Save_local_disk_as_an_image Save_local_partitions_as_an_image <u>Restore_an_image_to_local_disk</u> Restore_an_image_to_local_partitions Restore_an_image_to_multiple_local_disks Create_recovery_Clonezilla_live Check_the_image_restorable_or_not Exit. Enter command line prompt
	<0k>	<cancel></cancel>

Solution: this is pure network configuration issue.

I used user name "cisco" to access, but found that there is no such user on our repository, so I used "root".

Issue #3 encountered by our users - can't choose boot option to pick Cisco KVM vHDD

After clonezilla iso is installed, can't choose boot option to pick Cisco KVM vHDD, and change BIOS boot order from CMIC GUI does not take effect:

The following menu should be popped up after I try to change boot order (hit Fn+F6 keys), and then I can choose "Cisco vKVM-Mapped vHDD1.22) after clonzilla is installed, but if BIOS version is old (built in 1/31/2013), so it always boot up the system from vKVM-Mapped vDVD.122.

File View Macros Tools Help		
🔓 KVM 📑 Virtual Media		
	Please select boot device:	
	(Bus 82 Dev 00)PCI RAID Adapter	
	Cisco CIMC-Mapped vHDD1.22	
	Cisco vKVM-Mapped vHDD1.22	
	IBA GE S10t 0200 v1398	
	IBA GE Slot 0201 v1398	
	IBA GE Slot 0202 v1398	
	IBA GE Slot 0203 v1398	
	UEFI: Built-in EFI Shell	
	Cisco vKVM-Mapped vDVD1.22	
	Cisco CIMC-Mapped vDVD1.22	
	Cisco vKVM-Mapped vFDD1.22	
	Enter Setup	
	T and ↓ to move selection	
	ENTER to select boot device	

Issue #3 encountered by our users - can't choose boot option to pick Cisco KVM vHDD

Solution: The BIOs version is old. Upgraded BIOS with: ucs-c220-huu-1.5.4-3.iso

<Lei> 1). On KVM console, "Virtual Media" tab, add the above bios iso as the image. 2). Reboot the UCS and change the boot order to "Cisco vKVM-mapped vDVD1.22". 3). After root the screen pops up asking to upgrade the bios, select upgrade all. Click "yes" when prompt asking to reboot. 4). The KVM console and CMIC will be lost after reboot. Wait for around 10 minutes and reconnect CMIC. Check on the CMIC GUI verify that the BIOS version is updated.

Issue #4 encountered by our users - KVM console connection failure:



Solution:

I went to the lab and unplug and plug in the power for the 2 UCSs, now it is connecting to it.

Issue #5 - If you hit permission error. Change the file owner when tar .tgz file and start Clonezilla again

