RSA Security Analytics

SA 10.4.0.2B Instructions for Build-sticking an Appliance

Knowledgebase Article: 29977

1. Press F10 to enter the Lifecycle Controller

Entering System Setup F10 = Lifecycle Controller F11 = BIOS Boot Manager F12 = PXE Boot

Phoenix ROM BIOS PLUS Version 1.10 1.1.2

Testing memory. Please wait.

2. Click System Setup

LIFECYCLE CO	ONTROLLER UNIFIED SERVER CONFIGURATOR Help About Exit
Home	Platform Restore
Lifecycle Log	
Platform Update	Select Backup Server Profile to save this server's hardware-configuration profile to the vHash SD card. Select Export Server Profile to export to an external location and Import Server Profile to import a server
Hardware Configuration	profile from an external location. Select Part Replacement Configuration to configure settings for replaced
OS Deployment	server parts.
Platform Restore	
Hardware Diagnostics	
LC Settings	Backup Server Profile
System Setup	Export Server Profile
	Import Server Profile
	Part Replacement Configuration
	Some links may be disabled if the vFlash SD card is absent or disabled.

- 3. Advanced Hardware Configuration
- 4. Select system bios

SYSTEM SETUP	Help About Exit
System Setup	
System Setup Main Menu	
System BIOS	
iDRAC Settings	
Device Settings	
iDRAC Settings allows you to configure iDRAC.	

5. Select integrated devices

System BIOS			
System BIOS Settings			
System Information			
Memory Settings	L ₂		
Processor Settings			
SATA Settings			
Boot Settings			
Integrated Devices			
Serial Communication			
System Profile Settings			
System Security			
Miscellaneous Settings			

6. Disable your "internal SD Card Port"

System BIOS

System BIOS Settings • Integrated Devices

Integrated RAID Controller	enabled
User Accessible USB Ports	
Internal USB Port	⊛ On Off
Internal SD Card Port	⊖ On 💿 Off <
Internal SD Card Redundancy	🔿 Disabled 🛛 🛞 Mirror
Integrated Network Card 1	enabled
OS Watchdog Timer	○ Enabled
Embedded Video Controller	Enabled
SR-IOV Global Enable	○ Enabled
Slot Disablement	
The Slot Disablement feature controls the configuration of F	PCIe cards installed in the specified slot.
Only slots that are present on your system will be available	for control.

7. If you have a DAC attached then disable the Perc 810 which is located in Slot Disablement-slot 1.

System BIOS				
System BIOS Settings • Integrated Dev	rices • Slot Disableme	ent		
Slot 1	Enabled	🔿 Disabled 🗲	←──	
Slot 2	© Enabled	 Disabled 	 Boot Driver Disabled 	
Slot 3	Enabled	 Disabled 	 Boot Driver Disabled 	
This field controls the configuration of the card	installed in this slot. You can a	et one of the fol	owing	
options for each of the cards:				
			Ľ	
	Arrow keys and Enter to s	select		Back
Service Tag: /KYZSW1	Esc to exit page, Tab to c	hange focus		

2

8. Click Back, back, finish



- 9. Save your settings with "Yes"
- 10. Click "ok"
- 11. Click "finish"
- 12. Confirm Exit
- 13. System will restart
- 14. Press ctrl +r to enter the raid controller



- 15. Navigate to the top perc 710P mini
- 16. Press F2
- 17. Clear Config,
- 18. Are you sure you want to clear the configuration? "yes"

PERC H710P Mini BIOS Config	uration Utility 4.00-0014
VD Mgmt PD Mgmt Ctrl Mgmt Properties	
Virtual Disk	Management
[-] PERC H710P Mini (Bus 0x03, Dev 0x00)	
⊢L-J VISK Group: 0, KAIV 5	Create New VD
	Clean Config
ID: 1, 4654, 75 GB	cital config
-[+] Physical Disks	Foreign Config 🔰
-[+] Total Free Capacity: 0.00 GB	
- Hot spares	Manage Preserved Cache
-[-] Disk Group: 1, RAID 5	
-l-J Virtual Disks	Security Key Management 🔹 🕨
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Create CacheCade Hintual Disk
-[+] Total Free Canacitu: 0.00 GB	create cachecaac virtaar bisk
Hot spares	
└─[-] Disk Group: 2, RAID 0	
—[-] Virtual Disks	
└── ID: 3, 931.00 GB	
-l+J Physical Disks	
-I+J IOTAI Free Capacity: 0.00 GB	
- not spares	
F1-Help F2-Operations F5-Refresh Ctrl-N-	Next Page Ctrl-P-Prev Page F12-Ctlr
19. Press "esc"	
20. Select OK and then control+alt+Delete	
21. Press F11 on boot to enter the bios boot mana	ager
22. Select bios boot menu	
23. User the down arrow to navigate to the back (usb stick
24. Press enter to launch	
BIOS Boot Manager	

	— BIOS Boot Manager ———	
×	Normal	
×	Hard drive C:	
×	Integrated NIC 2 BRCM MBA Slot 0101 v15.4.2	
Use	Up∕Do × Back USB: Cruzer Glide	
Use	Enter L	

25. Select the type of device that you want to install

Welcome to RSA Security Analytics 10.4.0.2	
Rescue installed system	
Boot from local drive SA Server and RSA Warehouse Powered by MapR SA Core: Broker, Concentrator, Log/Packet Decoder SA All-in-One and Hybrid SA Malware Protection SA IPDB Extractor and Remote Log Collector SA Archiver and ESA SA Demo Virtual Appliance	> > > > > > > > > > > > > > > > > > >
Press [Tab] to edit options	

Example series IV/S Packet Hybrid via iDRAC

SA All-in-One and Hybrid	
Install/Upgrade Series IV/S Newport: Logs AIO Install/Upgrade Series IV/S Newport: Packet AIO Install/Upgrade Series IV/S Newport: Logs Hybrid Install/Upgrade Series III: Packet Hybrid Install/Upgrade Series IV/S Newport or All via iDRAC: Packet Hybrid	
Previous Menu or Press (Esc)	<
Press [Tab] to edit options	

26. If you receive an error about not being able to find the kick start script Change: hd:sdb1:/pack_hybrid.ks to hd:sda1:/pack_hybrid.



27. Press ok

	Select Partition	
	What partition and directory on that partition holds the installation image for CentOS? If you don't see the disk drive you're using listed here, press F2 to configure additional devices.	
	<mark>∕dev∕sda1</mark>	
	Directory holding image: <mark>//images/install.img</mark>	
	OK Back	
l		

28. Type "y" then press enter to wipe the h710 controller

Clear virtual drive configuration on RAID controller: 0 ? HBA: PERC H710P Mini #VD: 0 #PD: 10 For Upgrades either ignore or answer No to this prompt Recommended for new hardware or re-purposing **Warning** data on all configured drives will be discarded, this includes internal SATA/SCSI storage and attached external RAID storage on applicable cards, i.e. JBOD enclosures Enter (y/Y) to clear drives, defaults to No in 30 seconds

Current Hear/e): root : 137 60 130 57

29. Press enter to reboot



- 30. The system will now reboot and you will need to follow steps 21-25 again before you will see the next screen. Select the same device as you picked last time.
- 31. Press ok to the error

Lrror	
Cannot find kickstart file on hard drive.	
OK	

32. change the line to hd:sda1:/pack_hybrid.ks if the error about missing kick start file appears.



33. Leave the defaults and select OK



34. Either type "n" or let the system default to no in 30 seconeds

Clear virtual drive configuration on RAID controller: 0 ? HBA: PERC H710P Mini #VD: 4 #PD: 10 For Upgrades either ignore or answer No to this prompt Recommended for new hardware or re-purposing **Warning** data on all configured drives will be discarded, this includes internal SATA/SCSI storage and attached external RAID storage on applicable cards, i.e. JBOD enclosures Enter (y/Y) to clear drives, defaults to No in 30 seconds

35. Just wait for 120 seconds

Detected OS Level: CentOS release 6.5 (Final)

Same OS major version upgrades are not supported For example upgrading CentOS 6.3 -> CentOS 6.5 If you had intended to upgrade please quit and contact support, <CTRL><ALT> to restart Prompting for install/reinstall in 120 seconds

This system is eligble for a Install or Re-install Installs/Re-installs clear all partitions and data If upgrading please quit and retry, if the problem persists quit again and contact product support Please quit and backup any data before proceeding Enter Y to Install/Re-install, Q to Quit

Proceed or Quit, defaults to Yes in 120 seconds Y/Q? _

- 36. The system will automatically restart and advise you to run the installation again.
- 37. Follow steps 21 27.
- 38. Make sure to select No to wipe the raid again
- 39. Type "y" and press enter.

examining system storage
detecting linux raid devices performing volume group scan Reading all physical volumes. This may take a while No volume groups found No volume groups found running volume group check Finding all volume groups No volume groups found activating volume groups No volume groups found
This system is eligble for a Install or Re-install Installs/Re-installs clear all partitions and data If upgrading please quit and retry, if the problem persists quit again and contact product support Please quit and backup any data before proceeding Enter Y to Install/Re-install, Q to Quit
Proceed or Quit, defaults to Yes in 120 seconds Y/Q? y

40. It will install the packages

Welcon	ne to CentUS for ×86_64
	Package Installation
	0%
	Packages completed: 9 of 448
	Installing glibc-common-2.12-1.132.el6_5.4.x86_64 (107 MB) Common binaries and locale data for glibc
<tab< th=""><td><pre>>><alt-tab> between elements <space> selects <f12> next screen</f12></space></alt-tab></pre></td></tab<>	<pre>>><alt-tab> between elements <space> selects <f12> next screen</f12></space></alt-tab></pre>

41. Remove the flash drive and reboot or wait for the reboot to take place.

42. Make sure to enable slot 1 from the system bios > integrated evcies > slot disablement as shown in step 7.