Install Ruckus Virtual SmartZone Controller on Proxmox

Download the appropriate version you want to install from Ruckus (support.ruckuswireless.com/software) as an KVM .qcow2 file.

Older versions (3.6 and below) download as a .bin that needs to be extracted as shown in the images below. Version 5 and above do not need to be converted if the downloaded file is already in .qcow2 format.



This is the only extraction method that worked out of five unzip extraction programs, on Mac Mojave 10.14 using CLI, should work on most Macs. Take ownership and extract the .bin file to a location using:

```
chmod a+x (.bin file location)/vscg.3.6.2.0.78.qcow2.bin
```

(.bin file location)/vscg.3.6.2.0.78.qcow.bin -o(destination file location)



Transfer the .qcow file to Proxmox using Filezilla. I placed it in the '/var/lib/vz/dump/' folder.

Sftp://root@192.1	168.1.45 - FileZilla
🔛 🗈 🗂 🧱 📿 🎼 🛛 🖡 🖉 🖷 🏹 🔗 🦚	
Host: sftp://192.168.1.45 Username: root Password: •••••• Port: Quickcor	inect 💌
Status Bertinning direktory island og d' rivnillev/tampatant". Status Listing der rivnillev/tampatant Status Directory island grinder i status des statu	
Local site: /Volumes/JM-M910g/Users/jm910g/Downloads/	Remote site: /var/lib/vz/dump
comp cups	02 vin v: mages b amples b ampl
Desktop	Filename A Filesize Filetype Last modified Permissions Owner/Gri
Documents Documents	
Filename A Filesize Filetype Last modified	vzdump-demo-pop-zozo_iz. 19,027,176,161 zst-me 11/11/2020 1tw-tt 10011001
vmail_+17202507780 579,246 wav-file 08/26/2020 17:5	
vscg-3.8.2.07.80(cov/2	
Selected 1 file. Total size: 2,638,028,800 bytes	2 files. Total size: 19,627,187,598 bytes
Server/Local file Direction Remote file	Size Priority Status
flag,//octore1902.188.1.65 //octore1902.188.1.65 //octore1902.148.1.65 //octore1902.148.1.67 //octore1902.148.1	. 2,638,02 Normal Transferring

Create your Ruckus VM using the following steps. I'm using VM ID '600' and Name 'Ruckus'.

Create: Virtual N	lachine						\otimes
General OS	System	Hard Disk	CPU	Memory	Network	k Confirm	
P r Node:	prox-esxi-1		~	Resource	Pool:		~
VM ID:	600		$\hat{}$				
Name:	Ruckus						
						Advanced E	lack Next
Help							
Help							
Create: Virtual N	Machine						×
Create: Virtual N General OS	Machine System	Hard Disk	CPU	Memory	Netwo	rk Confirm	
Create: Virtual M General OS	Machine System	Hard Disk e (iso)	CPU	Memory Guest OS	Netwo	rk Confirm	×
Create: Virtual M General OS O Use CD/DVD Storage	Machine System Didisc image file	Hard Disk e (iso)	CPU	Memory Guest OS Type:	Netwo	rk Confirm Linux	×
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t	Create: Virtu	ual N	lachine					\otimes
D	General	OS	System	Hard Disk	CPU	Memory Netwo	ork Confirm	
p r	Graphic card	:	Default		~	SCSI Controller:	VirtIO SCSI	~
L	Qemu Agent:							
L								
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1								
	Help						Advanced 🗌 📃	Back Next

Create: Virtual I	Machine				\otimes
General OS	S System Hard Disk	CPU	Memory I	Network Confirm	
P r Bus/Device:	SCSI × 1	\bigcirc	Cache:	Default (No cache)	~
SCSI Controller:	VirtIO SCSI		Discard:		
Storage:	local-lvm	\sim			
Disk size (GiB):	1	$\hat{}$			
Format:	Raw disk image (raw)				
Help				Advanced 🗌 🛛 Back	Next

Create: Virtual N	Machine					\otimes
General OS	System	Hard Disk	CPU Memory	Network	Confirm	
Sockets:	1		🗘 Type:	Defa	ult (kvm64)	~
Cores:	4		Total core	es: 4		
Help				Adv	vanced 🗌 🛛 Back	Next

ti	Create: Virt	ual Ma	chine						\otimes
D	General	OS	System	Hard Disk	CPU	Memory	Network	Confirm	
Pr	Memory (Mi	3):	16	384	0				
	Help						А	dvanced 🗌 🛛 Back	Next

General	OS	System	Hard Disk	CPU	Memory Net	work Confirm	
🗌 No netwo	rk devi	ce					
Bridge:	Γ	vmbr0		~	Model:	VirtIO (paravirtualized)	~
VLAN Tag:		no VLAN		0	MAC address:	auto	
Firewall:	5	7					
		_					
						_	
Help						Advanced 🗌 🛛 Back	Next
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The disk should be successfully imported.

Node 'prox-esxi-1'	⑦ Reboot Ø Shutdown >_ Shell ∨ I Bulk Actions ∨
	ansferred: 80154827161 bytes remaining: 27219355239 bytes total: 107374182400 bytes progression: 74.65 %
Q Search	ansferred: $8237/372727$ bytes remaining: 24946709663 bytes total: 107374182400 bytes progression: 76.72
Summary tr	ansferred: 83483426816 bytes remaining: 23890755584 bytes total: 107374182400 bytes progression: 77.75 %
tr	ansferred: 84600118312 bytes remaining: 22774064088 bytes total: 107374182400 bytes progression: 78.79 %
D Notes tr	ansferred: 85716809809 bytes remaining: 21657372591 bytes total: 107374182400 bytes progression: 79.83 %
>_ Shell tr	ansferred: 86822763888 bytes remaining: 20551418512 bytes total: 107374182400 bytes progression: 80.86 %
tr	ansferred: 87907243130 bytes remaining: 19466939270 bytes total: 107374182400 bytes progression: 81.87 %
o: System 👻 🛨	ansferred: 89023934627 bytes remaining: 18350247773 bytes total: 107374182400 bytes progression: 82.91 %
	ansferred: 90140026124 bytes remaining: $1/2335362/6$ bytes total: $10/3/4182400$ bytes progression: 83.95 %
	ansferred: 924630205 bytes remaining: 1012702137 bytes total: 107374182400 bytes progression: 94.95 %
 Certificates 	ansferred: 93469225779 bytes remaining: 13904956621 bytes total: 107374182400 bytes progression: 87.05 %
Q DNS tr	ansferred: 94585917276 bytes remaining: 12788265124 bytes total: 107374182400 bytes progression: 88.09 %
tr	ansferred: 95691871354 bytes remaining: 11682311046 bytes total: 107374182400 bytes progression: 89.12 %
Hosts tr	ansferred: 96808562851 bytes remaining: 10565619549 bytes total: 107374182400 bytes progression: 90.16 %
O Time	ansferred: 97914516930 bytes remaining: 9459665470 bytes total: 107374182400 bytes progression: 91.19 %
tr	ansferred: 99031208427 bytes remaining: 8342973973 bytes total: 107374182400 bytes progression: 92.23 %
III Syslog	ansferred: 100137162506 bytes remaining: $/237019894$ bytes total: 107374182400 bytes progression: 93.26 %
C Lindates tr	ansferred: 101253634005 bytes remaining: 502052637 bytes total: 107374162400 bytes progression: 94.50 %
tr	ansferred: 103487236997 bytes remaining: 3886945403 bytes total: 107374182400 bytes progression: 96.38 %
🛡 Firewall 🕨 🖶	ansferred: 104646878167 bytes remaining: 2727304233 bytes total: 107374182400 bytes progression: 97.46 %
A Dieke tr	ansferred: 105752832245 bytes remaining: 1621350155 bytes total: 107374182400 bytes progression: 98.49 %
tr	ansferred: 106890998579 bytes remaining: 483183821 bytes total: 107374182400 bytes progression: 99.55 %
LVM tr	ansferred: 107374182400 bytes remaining: 0 bytes total: 107374182400 bytes progression: 100.00 %
C LVM Thin	ansferred: 10/3/4182400 bytes remaining: 0 bytes total: 10/3/4182400 bytes progression: 100.00 %
	ccessfully imported disk as unused;local=ivm:vm=600=disk=1' ot@prox-esxi=1:/var/lib/vz/dump#

We're going to add the Ruckus QCow2 Hard Disk to Proxmox, use it as our VMs main hard drive and delete the Ruckus VM's original hard drive that was created during setup.

Importing - Click on your 'Ruckus VM' & then click on 'Hardware'. There will be a newly added Unused Disk.

Click on the Unused Disk & then click 'Add' in the lower right dialog box.



Deleting Click on the other disk and click 'Detach'

Virtual Machine 600 (Virtual Machine 600 (Ruckus) on node 'prox-esxi-1'					
Summary	Add V Detach Edit	Resize disk Move disk Revert				
>_ Console	E Memory	16.00 GiB				
Hardware	Processors	8 (2 sockets, 4 cores)				
Cloud-Init	BIOS	Default (SeaBIOS)				
Options	🖵 Display	Default				
Task History	os Machine	Default (i440fx)				
	SCSI Controller	VirtIO SCSI				
Monitor	 CD/DVD Drive (ide2) 	none,media=cdrom				
🖺 Backup	🖨 Hard Disk (scsi0)	local-lvm:vm-600-disk-1,size=100G				
13 Replication	🖨 Hard Disk (scsi1)	local-lvm:vm-600-disk-0,size=1G				
 Snapshots 		virtio=82:70:F8:74:55:F6,bridge=vmbr0,firewall=1				
♥ Firewall ►						
Permissions						

Virtual Machine 600 (Ruckus) on node 'prox-esxi-1' Start Summary Add \sim Remove Edit Resize disk Move disk Revert >_ Console Memory 16.00 GiB - Hardware Processors 8 (2 sockets, 4 cores) Default (SeaBIOS) Cloud-Init BIOS Default Display Options 🎕 Machine Default (i440fx) Task History SCSI Controller VirtIO SCSI Monitor CD/DVD Drive (ide2) none,media=cdrom 🖺 Backup 🖨 Hard Disk (scsi0) local-lvm:vm-600-disk-1,size=100G A Replication virtio=82:70:F8:74:55:F6,bridge=vmbr0,firewall=1 🖨 Unused Disk 0 local-lvm:vm-600-disk-0 Snapshots Firewall Permissions

The original drive will now become the 'Unused Disk 0'. You can delete this unused disk by clicking 'Remove'.

Change the boot disk. Located in Ruckus VM -> Options -> Bootloader Set Boot Device 1 to SCSI 0

Virtual Machine 600 (Ruckus) on node 'prox-esxi-1'						
Summary	Edit Revert					
>_ Console	Name	Ruckus				
🖵 Hardware	Start at boot	No				
loud-Init	Start/Shutdown order	order=any				
Options	OS Type	Linux 5.x - 2.6 Kernel				
I Task History		Disk 'scsi1', CD-ROM, Network	Edit: Boot Order		\otimes	
	Use tablet for pointer	Yes	Rest device 1	annit		
Wonitor	Hotplug	Disk, Network, USB	Bool device 1:	Dick 'coci0'		
🖺 Backup	ACPI support	Yes	Boot device 2:	CD-ROM	<u>N</u>	
🔁 Replication	KVM hardware virtualization	Yes	Boot device 3:	Network		
Snapshots	Freeze CPU at startup	No	_	Network		
♥ Firewall ▶	Use local time for RTC	No		ОК	Reset	
Permissions	RTC start date	now				
	SMBIOS settings (type1)	uuid=27a43970-09e9-49ec-9668-	015bb3dfc396			
	QEMU Guest Agent					
	Protection	No				
	VM State storage	Automatic				

Login to the VMs console using admin / admin. Type enable, password – admin. Type 'show interface'

Virtual Machine 600 (R	uckus) on node 'prox-esxi-1' 🕨 Start 🖉 Shutdown 🗸 >= Console 🗸 More 🗸
Summary	vSZ#
>_ Console	v\$2#
Hardware	vSZ#
Cloud-Init	USZ#
Options	vSZ#
I Task History	vS2# uS2#_show_interface
 Monitor 	Interfaces
🖺 Backup	Interface : Control
Replication	IP Mode : DHCP
Snapshots	IP Address : 192.168.1.123
♥ Firewall	Subnet Mask : 255.255.255.0 Gatewau : 192.168.1.1
 Permissions 	
	Default Gateway Interface : Control Primary DNS Server : 192 168 1 19
	Secondary DNS Server : 8.8.8.8
	v\$Z# _

This shows your DHCP obtained IP Address for your Ruckus Virtual SmartZone Controller. Proceed to the address above using: https://<ip-address>:8443

😑 😑 🗶 prox-esxi-1 - Proxm	ox Virtual E 🗴 🖹 Virtual SmartZone 3.6.2.0.78 - 🗴 🕂	
← → ♂ ☆ 🔺 Not Sec	ure 192.168.1.123:8443/adminweb/ 🏚 🔤 😒 🌲 😁	:
Ruckus™ Virtual SmartZone	Setup Wizard - Virtual SmartZone	78
Language	Language	
Profile	Welcome to the Ruckus Virtual SmartZone Setup Wizard. Use this wizard to prepare wireless controller to run your wireless network. To start, select the display language that you want to use on the Web interface.	
Management IP Address	Language English v	
Cluster Information		
Administrator	Next	
Confirmation		
Configuration		