# **Bicom SSH Info for Monitoring of Servers**

67.207.47.35 Controller (GUI) 67.207.47.32 Host 1 67.207.47.33 Host 2 67.207.47.34 Roaming Host 67.207.47.36 SIPmon 67.207.47.37 SIPmon

### **Check Primary/Secondary status**

ssh root@67.207.47.32 -p2222 or ssh root@67.207.47.33 -p2222 or ssh root@67.207.47.35 -p2222

C3ntrac0msys!

**vps-list** (shows all of the VPS's or none depending upon the Primary/Secondary state)

**cat /proc/drbd** (shows the server is connected and the status of either ro:Primary/ Secondary or ro:Secondary/Primary)

**ifconfig** (Shows the IP address of that HOST in eth0 and eth1 along with the floating IP of .34 in eth0:VIRT

Using the commands below you should see the following if things are running as they should.

● ● ● 🏠 benpehrson — root@Host02:~ — ssh root@67.207.47.33 -p2222 — 102×71

Bens-iMac:~ benpehrson\$ ssh root@67.207.47.33 -p2222 Password: Host02 ~ # vps-list

Found 3 VPSes:

# !	NAME	IP	STATUS	UPTIME	CONTEXT	PROCESSES	FAILO
vps	pbxcc	eth0:67.207.47.19/26	running	   1 days, 10:03	57452	232	no
vps	pbxcc2	eth0:67.207.47.18/26	running	1 days, 10:47	588	185	no
/ps	pbxmt1	eth0:67.207.47.20/26	running	1 days, 10:22	28761	315	no
lost02 version srcvers 1: cs: ns: lost02 eth0	<pre>~ # cat / n: 8.4.5 ( sion: EDE: :Connected :94029820 ~ # ifcor Link c inet c inet c IVP BR( RX pac TX pac collis RX byi Inter</pre>	<pre>/proc/drbd (api:1/proto:86-101) l9BAA3D4D4A0BEFD8CDE i ro:Primary/Secondary de nr:0 dw:88982420 dr:2993 ffig encap:Ethernet HWaddr 18 addr:67.207.47.33 Bcasts addr: fe80::1a66:daff:ff DADCAST RUNNING MULTICAST ckets:330173482 errors:0 ckets:268074666 errors:0 sions:0 txqueuelen:1000 tes:101519135787 (94.5 G cust:69</pre>	s:UpToDate// 36175 al:18 3:66:da:e7:1 :67.207.47. : e7:bd98/64 f MTU:1500 dropped:360 dropped:360 dropped:0 o iB) TX byte	UpToDate A r 751 bm:0 lo:0 pe 255 Mask:255.25 Scope:Link Metric:1 0 overruns:0 fra overruns:0 carri es:78154082879 (	- :0 ua:0 ap:0 5.255.192 me:0 er:0 72.7 GiB)	ep:1 wo:f oo	s:0
eth1	Link e inet a inet6 UP BR( RX pac Collis RX byt Inter	encap:Ethernet HWaddr 18 addr:10.10.10.33 Bcast: addr: fe80::1a66:daff:fe DADCAST RUNNING MULTICAST ckets:17700125 errors:0 d ckets:70551453 errors:0 d sions:0 txqueuelen:1000 tes:1345196980 (1.2 GiB) rupt:70	3:66:da:e7:1 10.10.10.25 ee7:bd99/64 T MTU:1500 dropped:0 ov dropped:0 ov TX bytes:	bd:99 5 Mask:255.255. Scope:Link Metric:1 verruns:0 frame: verruns:0 carrie 101597993581 (94	255.0 0 r:0 .6 GiB)		
eth0:94	4fe Link e inet a UP BR( Intern	encap:Ethernet HWaddr 10 addr:67.207.47.18 Bcast: )ADCAST RUNNING MULTICAST rupt:69	3:66:da:e7:1 :67.207.47.0 F MTU:1500	bd:98 53 Mask:255.255 Metric:1	.255.192		
eth0:V]	IRT Link e inet a UP BRO Intern	encan:Ethernet HWaddr 18 addr <mark>:67.207.47.34</mark> Bcast: DADCAST RUNNING MULTICAST rupt:69	3:66:da:e7:1 :67.207.47.0 F MTU:1500	bd:98 63 Mask:255.255 Metric:1	.255.192		
eth0:a1	fd Link e inet a UP BRO Intern	encap:Ethernet HWaddr 18 addr:67.207.47.19 Bcast: DADCAST RUNNING MULTICAST rupt:69	3:66:da:e7:1 :67.207.47.0 F MTU:1500	bd:98 63 Mask:255.255 Metric:1	.255.192		
eth0:d4	4fa Link e inet a UP BRO Intern	encap:Ethernet HWaddr 18 addr:67.207.47.20 Bcast: DADCAST RUNNING MULTICAST rupt:69	3:66:da:e7:1 :67.207.47.0 F MTU:1500	bd:98 63 Mask:255.255 Metric:1	.255.192		
lo	Link e inet a inet6 UP LOO RX pao TX pao collis RX by	encap:Local Loopback addr:127.0.0.1 Mask:255. addr: ::1/128 Scope:Host DPBACK RUNNING MTU:65536 ckets:205735869 errors:0 ckets:205735869 errors:0 cions:0 txqueuelen:0 tes:23211556234 (21.6 Gif	0.0.0 t 5 Metric:1 dropped:0 dropped:0 6) TX byte	overruns:0 frame overruns:0 carri s:23211556234 (2	:0 er:0 1.6 GiB)		

# Moving VPS's from .35 (Controller) to the .34 (Host Servers)

In your browser go to 67.207.47.35 co@centracom.com C3ntrac0msys!

BICC	<b>D</b> MS
	Welcome to SERVERware!   E-mail   admin@bicom.net   Password/PIN   •••••••••

Hosts: You will see that Mirrored Host is not the same color as CONTROLLER. That means its not active.

Select network:							
Default	Network Hosts	Network Hosts					
Hosts	Name	Host Name	Address				
VPSes	CONTROLLER	Controller	67.207,47.35				
Reports	Minoredi-lost	Host01	67.207.47.34	0			

VPSes: You will see to the right of each VPS under <u>Host</u> CONTROLLER .35 That means the Controller is acting as the the Host as well.

SERVERware Site Settings	SM Settings	Help Logout						
Select network: Default	VPS LIST	[ 3 of 5 VPSes ]			0	× 🖻 🖲	1 🛃 🖬 1 🕨 🥌 🛸	9
Hosts	Name 4	IP	Status	Uptime	Context	Processes	Host	
Reports	pbxcc.	eth0:67.207.47.19/26	running	4 days, 07:07	57452	170	CONTROLLER [67.207.47.35]	0
lystem 📕	pbxcc2	eth0:67.207.47.18/26	running	4 days, 07:06	588	154	CONTROLLER [67.207.47.35]	C
Settings	pbxmt1	eth0:67.207.47.20/26	running	4 days, 07:06	28761	180	CONTROLLER (67.207.47.35)	C
	« ieft			Page 1	of 1 Go			nex.

Back to Hosts tab: Select Mirrored Host .34 and Edit

SERVERware	Site Settings	SM Settings H	ielp Logout			
Select network:		Network Hos	sts		19	
Hosts			Name	Host Name	Address	
VPSes			CONTROLLER	Controller	67.207.47.35	C
Reports			Mirroredi-Iost	Host01	67.207.47.34	1200
System			METOPEOPICSI	HOSAL	01.207.41.34	

This host is enabled must be checked, and then Save

SERVERware Site Settings	SM Settings	Help	Logout			
Select network:						
Default	Edit hor	t para	ms:	Advanced Options		
vPSes			Name:	MirroredHost Host01		
Reports						
System		Ho	stname:			
Settings		А	ddress:	67.207.47.34		
		SS	12 Port:	2222		
				This host is enabled:		
	Chang	e pass	word [	Save Cancel		

You'll now see that both Network Hosts are the same color. That means they are both enabled.

<ul> <li>67.207.47.35</li> </ul>	/admin/index.php?app=serverware&sw=h	osts&action=edit&id= 2&fui	e=0.7763709860520052	
SERVERware Site Settings	SM Settings Help Logout			
Select network:	INFO: Host MirroretHost modified with success.			
Hosts VPSes &		a 51. 8 4.	0	
Reports	Network Hosts		~	
System	Name	Host Name	Address	
Settings	CONTROLLER	Controller	67.207.47.35	(
	MirroredHost	Host01	67.207.47.34	C

VPSes Tab: You'll now see 6 VPSes 3 running, 3 stopped.

elect network:	_	-							
Default	VPS con	flict! VPS: pbxcc HOST	S: Mirrored	Host and CONTR	ROLLER				
losts		10.							_
/PSes	VPS con	flict! VPS: pbxcc2 HOS	TS: Mirrored	dHost and CONT	ROLLER				
Reports System									
Settings	WARNNIN VPS con	IG: flict! VPS: pbxmt1 HOS	TS: Mirrore	dHost and CON	ROLLER				
k	VPS LIST	[6 of 6 VPSes]			0	× 🗄 🝨	I 💋 🖬 I 🕨 I		0
k	VPS LIST	[6 of 6 VPSes]	Status	Uptime	Context	X 1 1	I 🖉 🖳 I 🕨 (	9 5	۱ <u>۹</u>
ħ	VPS LIST Name 4 pbxcc	[6 of 6 VPSes ] IP cth0:67.207.47.19/26	Status	Uptime 4 days, 07:08	© Context 57452	Processes	Host	47.35]	0
k	VPS LIST Name 4 pbxcc bbxcc	[6 of 6 VPSes ] IP eth0:57.207.47.19/26 eth0:67.207.47.19/26	Status running stopped	Uptime 4 days, 07:08 0	Context 57452 57452	Processes 170 0	Host CONTROLLER (67.207) MirroredHost (67.207.47	● 🛸 47.35] 34]	000
k	VPS LIST Name 1 pbxcc pbxcc pbxcc	[6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47.19/26 eth0:67.207.47.18/26	Status running stopped running	Uptime 4 days, 07:08 0 4 days, 07:07	Context 57452 57452 588	<ul> <li>Processes</li> <li>170</li> <li>0</li> <li>154</li> </ul>	Host CONTROLLER [67.207. MirroredHost [67.207.47. CONTROLLER [67.207.47.	<ul> <li>47.35]</li> <li>34]</li> <li>47.35]</li> </ul>	0000
k	VPS LIST Name 4 pbxcc pbxcc2 pbxcc2	[6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47.19/26 eth0:67.207.47.18/26 eth0:67.207.47.18/26	Status running stopped running stopped	Uptime 4 days, 07:08 0 4 days, 07:07 0	© Context 57452 57452 588 588	<ul> <li>Processes</li> <li>170</li> <li>0</li> <li>154</li> <li>0</li> </ul>	Host CONTROLLER (67.207) MirroredHost (67.207.47) CONTROLLER (67.207.47) MirroredHost (67.207.47)	<ul> <li>47.35]</li> <li>34]</li> <li>47.35]</li> <li>34]</li> </ul>	0000
*	VPS LIST Name 4 pbxcc pbxcc2 pbxcc2 pbxcc2	[6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47.19/26 eth0:67.207.47.18/26 eth0:67.207.47.18/26 eth0:67.207.47.18/26	Status running stopped running stopped running	Uptime 4 days, 07:08 0 4 days, 07:07 0 4 days, 07:07	© Context 57452 57452 588 588 588 28761	<ul> <li>Processes</li> <li>170</li> <li>0</li> <li>154</li> <li>0</li> <li>179</li> </ul>	Host CONTROLLER (67.207) MirroredHost (67.207.47) CONTROLLER (67.207.47) MirroredHost (67.207.47) CONTROLLER (67.207.47)	47.35] 34] 47.35] 34] 47.35]	00000

## Settings Tab: Click Duplication, select it and click delete.

Select network:         Duplication destinations:         Image: Contract of the second				Cogoon	SM Settings Help	ERVERware Ste Settings			
Hosts         Short Desc.         Path         Host         Storage           VPSes         MainDupl         /home/duplication/VPSes         MirroredHost [ 67:207.47:34 ]         CONTROLLER [67:207.47:34 ]           System         Settinge         Fettinge         Fettinge         Fettinge	10	🧾 🔜 I	Duplication destinations:						
VPSes MainOupl /home/duplication/VPSes MirroredHost [ 67:207.47.34 ] CONTROLLER [67:20 System	k	Storage	Host	Path	Short Desc.	Hosts			
System	7.47.35]	CONTROLLER (67.207.47.35	MirroredHost [ 67:207.47.34 ]	/home/duplication/VPSes	MainOupl	VPSes			
System						Reports			
C and an and	- <b>5</b>					System			
seings						Settings			
Networks						Networks			
Dupleation						Duplication			

#### VPSes: Check Controller .35 and then STOP



VPSes: Notice Status is now Stopped. Check Controller .35 and then on Move Selected VPS

ware Ste Setting	5 SM Settings	Help Logout						
twork:	s SM Settings INFO: Stoppin httpd sto Stoppin Stoppi	Heip Logout g VPS pbxcc g local pped successfully. g PBXware Proxy [ok] g PBXware Proxy [ok] g PBXware [ok] g gttpd [ok] g ttpd [ok] g php-fpm [ok] g beanstalid [ok] g beanstalid [ok] g beanstalid [ok] g wySQL [ok] g vixie-cron [ok] g sshd [ok] g sshd [ok] g sshd [ok]	k] 05[0k]					
	* Killing n	emaining processes [	[ ok ]					
	* Killing I WARNNII VPS con WARNNII VPS con	emaining processes   NG: Hflict! VPS: pbxcc HOST NG: Hflict! VPS: pbxcc2 HOS	[ ok ] [S: Mirrored	Host and CONTI	ROLLER	1		
	* Killing I WARNNII VPS cor VPS cor VPS cor	emaining processes   NG: NG: NG: Iffict! VPS: pbxec2 HOS NG: Iffict! VPS: pbxmt1 HOS	[ ok ] [5: Mirrored STS: Mirrore	Host and CONTI dHost and CONT	ROLLER			
	* Killing I WARNNII VPS con WARNNII VPS con WARNNII VPS con	emaining processes [ NG: Iffict! VPS: pbxcc HOST Iffict! VPS: pbxcc2 HOS NG: Iffict! VPS: pbxmt1 HOS [ 6 of 6 VPSes ]	[ ok ] [S: Mirrored ITS: Mirrore	Heat and CONTI dHost and CONT dHost and CON	ROLLER TROLLER TROLLER	× 8		1 9
	* Killing I WARNNI VPS cor WARNNI VPS cor VPS cor VPS LIST Name 4	emaining processes [ NG: Iffict! VPS: pbxec HOST NG: Iffict! VPS: pbxec2 HOS NG: Iffict! VPS: pbxmt1 HOS [ 6 of 6 VPSes ] IP	[ ok ] FS: Mirrored STS: Mirrore STS: Mirrore Status	Host and CONTI dHost and CONT dHost and CON Uptime	ROLLER TROLLER	X E 1	L 1 2 1 1 2 2 3	19
	* Killing I WARNNI VPS cor WARNNI VPS cor WARNNI VPS cor VPS LIST Name 1 pbxcc	emaining processes [ MG: MG: MG: MG: MG: MG: MG: MG:	[ ok ] FS: Mirrored STS: Mirrore STS: Mirrore Status stopped	Host and CONTI dHost and CONT dHost and CON Uptime 0	ROLLER ROLLER TROLLER O Context 57452	× E 1	Move Selected VPS	1 9
	* Killing I WARINNI VPS cor WARINNI VPS cor WARINNI VPS cor VPS LIST Name & pbxcc	emaining processes [ NG: Iffict! VPS: pbxec HOST NG: Iffict! VPS: pbxec2 HOS NG: Iffict! VPS: pbxmt1 HOS [ 6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47.19/26	[ ok ] FS: Mirrored STS: Mirrore STS: Mirrore Status stopped stopped	Hest and CONT dHost and CONT dHost and CON Uptime 0	ROLLER ROLLER TROLLER Context 57452 57452	Processes 0 0	I Selected VPS CONTROLLER (57.207.47.34)	1000
	* Killing r WARNNI VPS cor WARNNI VPS cor WARNNI VPS cor VPS LIST Name 1 pbxcc tpbxcc	emaining processes [ NG: rflict! VPS: pbxcc HOST NG: rflict! VPS: pbxcc2 HOS NG: rflict! VPS: pbxmt1 HOS [ 6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47 19/26	[ ok ] TS: Mirrored STS: Mirrore STS: Mirrore Status stopped stopped running	Host and CONT dHost and CON dHost and CON dHost and CON dHost and CON dHost and CON 4 days, 07:09	ROLLER ROLLER TROLLER © Context 57452 57452 588	× E 1	Move Selected VPS CONTROLLER INT 2017 3 MirroredHost [67.207.47.34] CONTROLLER [61 01.47.35]	
	* Killing I WARNNI VPS cor WARNNI VPS cor VPS LIST Name 1 pbxcc pbxcc pbxcc pbxcc	emaining processes [ NG: filet! VPS: pbxec HOST NG: filet! VPS: pbxec2 HOS NG: filet! VPS: pbxmt1 HOS [ 6 of 6 VPSes ] IP eth0:67.207.47.19/26 eth0:67.207.47.19/26 eth0:67.207.47.18/26	[ ok ] TS: Mirrored STS: Mirrore Status stopped stopped stopped	Host and CONT dHost and CONT dHost and CON dHost and CON	ROLLER ROLLER TROLLER Context 57452 57452 588 508	Processes       0       0       154       0	I         I	
	* Killing r WARNNI VPS cor WARNNI VPS cor VPS LIST Name 1 pbxcc pbxcc pbxcc pbxcc2 pbxcc2	emaining processes [ NG: filict! VPS: pbxec HOST NG: filict! VPS: pbxec2 HOS NG: (6 of 6 VPSes ] [6 of 6 VPSes ] [9 eth0:67.207.47.19/26 eth0:67.207.47 18/26 eth0:67.207.47 18/26 eth0:67.207.47 18/26	[ ok ] TS: Mirrored STS: Mirrore STS: Mirrore Status stopped stopped running	Host and CONT dHost and CONT dHost and CON dHost and CON dHost and CON d d dost and CON d d days, 07:09 d d days, 07:09	ROLLER ROLLER ROLLER Context 57452 57452 57452 588 588 588 588	× € 1	I         I	

### Select MirroredHost .34 and then Next

SERVERware	Site Settings	SM Settings	Help	Logout		
Select networ	k:					
Default		Manua Tark	weet 10	Det		
Hosts		move pu	ALC VI	-5		
VPSes						
Reports		Destin	ation he	st: Mirrore	dHost - 67.207.47.3	4
System				Mirrore	dHost - 67.207.47.3	4 30
Cattingen					<< Back	Next>>

Now you will wait for it to complete the sync process. Depending upon how much data needs to sync it may take a few minutes or it could take 20 minutes. It varies.

Once all "Controller VPSes running" have been stopped and then successfully synced (one by one), you will see only 1 appearance of each VPS (.18, .19, .20) in which you with then select them and start them (the BLUE play icon = START) one by one.

Once all of that is completed this is what you will see from the Hosts Tab.

<b>(</b> ) 67.:	207.47.35/ad	lmin/index.	php?ap	p=serve	rware&sw=	hosts	&fuie=139250849						
Most Visite	ed 👻 🧯 Ap	ople Ġ G	oogle	🕄 Fort	inet VLANs	м	Inbox - b.pehrson	AmazonSm	ile: Onli	🛞 Bicom Cer	ntracom	🛞 Bico	m
SERVERware	Site Settings	SM Settings	Help	Logout									
Select network	k:	Network	Hosts							ا 🗟 🜠	• ×	I <u>Q</u>	
Hosts	Hosts		Name			Host Na	me		Address				
VPSes			CC	NTROLLE	R		Controll	er		67.207.47.35	5	0	
Reports			м	irroredHos	t		Host01	L		67.207.47.34	1	0	
System													
Settings													

This is what the VPSes should look like in their optimal state

( ) 67.207.47.35/admin/index.php?app=serverware&sw=vpses&fuie=1108273184											
🔯 Most Visited 👻 🐇 Ap	ople Ġ Go	ogle ( EFortinet VLAN	s M Inbox - b.pehrson.		. 🧕 Am	nazonSmile:	Onli 🛞 Bicom Centracom	🛞 Bicom (			
SERVERware Site Settings	SM Settings	Help Logout									
Select network: Default	VPS LIST	[ 3 of 3 VPSes ]			○ × Ē ● I ☑ ≧ I ▶ ● ♂ I ♀						
Hosts	Name 1	IP	Status	Uptime	Context	Processes	Host				
VPSes	pbxcc	eth0:67.207.47.19/26	running	1 days, 08:07	57452	232	MirroredHost [67.207.47.34]				
VPSes Reports	pbxcc	eth0:67.207.47.19/26	running	1 days, 08:07	57452 588	232	MirroredHost [67.207.47.34]				
VPSes Reports System	pbxcc pbxcc2	eth0:67.207.47.19/26 eth0:67.207.47.18/26	running	1 days, 08:07 1 days, 08:51	57452 588	232 203	MirroredHost [67.207.47.34] MirroredHost [67.207.47.34]				
VPSes Reports System Settings	pbxcc pbxcc2 pbxmt1	eth0:67.207.47.19/26 eth0:67.207.47.18/26 eth0:67.207.47.20/26	running running running	1 days, 08:07 1 days, 08:51 1 days, 08:26	57452 588 28761	232 203 274	MirroredHost [67.207.47.34] MirroredHost [67.207.47.34] MirroredHost [67.207.47.34]				

Now you must turn Duplication back on. The settings should look like this, then SAVE.

(i) 67.207.47.35/admin/index.php?app=serverware&sw=settings:duplication&a													
🔯 Most Visited 🔻 📫 Ap			ple Ġ Google		Fortinet VLAN		Ns	M Inbox -		b.pe	hrsor		
SERVERware	Site Settin	gs	SM S	ettings	Help	Log	out						
Select networ Default	·k:								<u>× A</u>	dvar	nced Op	otions	1
Hosts			Du	nlicati	on des	tinat	ion	narams					
VPSes			24	pricaci	on des			paramo					
Reports				Sh	ort De	sc.:	Du	plication					
System													
Settings				Inte	erval ty	pe:		me of da	y	٢			
Networks											-		
Duplication					Ho	our:	3	h 😳	Min	ute:	0	<b>\$</b>	
About					Но	ost:	M	irroredHo	ost [6]	7.207	.47.34]	\$	
				Stora	age Ho	st:	0	ONTROLL	.ER [6	57.20	7.47.35]	٥	
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