Setting up Severalnines ClusterControl on Nutanix AHV





Contents

Introduction	3
Creating AHV VMs for ClusterControl host	4
Installing Operating System on ClusterControl AHV host	9
Installing ClusterControl on the AHV host	15
Creating AHV VMs for Database hosts	16
1st Database host (VM)	16
Installing Operating System on Database node AHV hosts	20
2nd Database host	20
3rd Database host	20
Setting up new Galera Cluster in ClusterControl	21
Enabling SSH using keys	21
Setting up ClusterControl's hosts file	21
Setting up Database nodes' host files	21
Deploying the Database from the ClusterControl Web UI	22





Introduction

This document highlights the steps involved in creating Nutanix AHV virtual machines, installing and setting up the operating system, installing Severalnines' ClusterControl and finally installing and setting up database clusters from ClusterControl. As an example, we show how to install and setup a three node MySQL/MariaDB Galera (multi-master) database cluster using ClusterControl on Nutanix AHV.

The general steps are:

- Create a Nutanix AHV host for ClusterControl
 - Install Operating System on the host
 - Install ClusterControl software
- Create three Nutanix AHV hosts for each of the three database nodes (called databases hosts)
 - Install Operating System on each host
- Create Galera cluster using ClusterControl





Creating AHV VMs for ClusterControl host

Click on "Create VM", and follow the screens to create a VM to host ClusterControl

• •					Win10-PartnerVDI							
BizDev06 - Prism Element	× Severalnin	nes ClusterContr	rol × +								0	- a
· → C ☆ 🔺 Not	secure https://10.10	5.0.105:9440/c	console/#page/vm	ns/table/?action=de	tails&actionTargetId=00057468-2ac0-f0b1-0000-00	0000008345%3A%3A28fc31	2c-44f3-44b	c-89f0-cd03d72bca	ab&actionTarge	etName=s9scc&actio	nParentEntityTyp	e= 😭 😩
Apps 🖪 Nutanix Web Cons	so											🔲 Readin
Overview · Table											+ Create VM	Network Cor
VM							Include C	Controller VMs 🕠 (4 VMs (filter	ed from 43) 💿 🕔	s9s	
 VM Name 	Host		IP Addresses	Cores Men	Create VM	? ×	Contr	oller Write IOPS	er IO Bandwidth	Controller Avg IO Latenc	y Backup and.	Flash Mode
• s9s-galera-1	BizDev	06-C/AHV	10.16.37.75	1	General Configuration	Minamo is already in		11	91 KBps	1.41 m:	Yes	No
• s9s-galera-2	BizDev0	06-B/AHV	10.16.37.76	1	s9scc	m name is already in use		12	105 KBps	1.79 m:	Yes	No
• s9s-galera-3	BizDev	06-C/AHV	10.16.37.77	1	Description			13	86 KBps	1.24 m:	Yes	No
• s9scc	BizDev	06-B/AHV	10.16.37.51	2	Optional			20	382 KBps	1.24 m:	Yes	No
					Timezone							
					(UTC) UTC	*						
					Use this VM as an agent VM							
					Compute Details							
					vCPU(s)							
					2							
					Number Of Cores Per vCPU							
Summary > s9scc					1		sole I				Clone 🖌 Upi	iate 🗙 Dele
VM DETAILS		VM Per	rformance	Virtual D		Cancel Save		/M Tasks	1/C	0 Metrics	Co	nsole
Name	• s9scc											
Description	CC host	CPU Usage										
ID												
28fc312c-44f3-44bc-89f0-	-cd03d72bca		12:00 PM		01:00 PI	N				PM		
Host	BizDev06-B	Hemory Us	aye.									
Host IP	10.16.0.100											
Memory	8 GiB		12:00 PM		01:00 PI	м				PM		

Allocated two(2) vCPUs and 8GB of RAM for the VM

•				Win10-PartnerVDI					
BizDev06 - Prism Element X	Severalnines ClusterCor	trol × +						•	- 0
→ C ① ▲ Not secure	https://10.16.0.105:9440	/console/#page/vr	ns/table/?action=del	ails&actionTargetId=00057468-2ac0-f0b1-0000-000000008345%3A	%3A28fc312c-44f3-44bc-89f0-co	i03d72bcaab&actionTarge	tName=s9scc&actionP	arentEntityType=	- 🖈 😩
Apps 🔃 Nutanix Web Conso									III Readin
			You h	we a pending licensing action. Finish the process by uploading a <u>li</u>	ense summary file,				
verview · Table							•	Create VM	Network Co
VM					Include Controller	r VMs 🐳 🌒 4 VMs (filter	ed from 43) 🍈 · 🏟 ~	s9s	
 VM Name 	Host	IP Addresses	Cores Mem	Create VM	? × Controller Write	Controller IO Bandwidth	Controller Avg IO Latency	Backup and	Flash Mode
• s9s-galera-1	BizDev06-C/AHV	10.16.37.75	1	8	GiB 13	90 KBps	1.42 ms	Yes	No
* s9s-galera-2	BizDev06-B/AHV	10.16.37.76	1	Root Configuration	14	95 KBps	1.32 ms	Yes	No
* s9s-galera-3	BizDev06-C/AHV	10.16.37.77	1	Legacy BIOS	15	99 KBps	1.4 ms	Yes	No
* s9scc	BizDev06-B/AHV	10.16.37.51	2	Set Boot Priority Default Root Order (CD-ROM, Dirk, Network)	22	392 KBps	1.26 ms	Yes	No
				○ UEFI ⑦					
				Disks + Add N	w Disk				
				Type Address Parameters					
				CD- ide.0 EMPTY=true; BUS=ide ROM	· · x				
ummary > s9scc				Volume Groups	nsole Power O	ff Actions Take Snapsi	not Migrate Clo	ne 🖌 Upda	te 🗙 Del
VM DETAILS	VM P	erformance	Virtual Di	Cancel	VM Tasks	s I/C	Metrics	Cons	ole
Name	e s9scc								
Description	CPO Usag	je							
ID									
28fc312c-44f3-44bc-89f0-cd03d7	2bca Memory I	12:00 PM		OLOO PM			M		
Host BizD	ev06-B	Juge							
Host IP 10.1	6.0.100								





Under "Disks", click on the pencil icon under CDROM, select the **Ubuntu 20.04 LTS** image as shown below.

• •				Win10-PartnerVDI					
BizDev06 - Prism Element	× Severalnines ClusterCor	ntrol × +						0	- 0
> C 🏠 🔺 Not sec	ure https://10.16.0.105:9440	/console/#page/vi	ms/table/?action=	etails&actionTargetId=00057468-2ac0-f0b1-0000-00000008345	%3A%3A28fc312c	c-44f3-44bc-89f0-cd03d72b	caab&actionTargetName=s9scc&	actionParentEntityTyp	e= 🏠 😩
Apps 🔃 Nutanix Web Conso									III Reading
			Yo	have a pending licensing action. Finish the process by uploading	a license summa	ary file.			
BizDev06 VM		•• 0 6 •							
Overview · Table								+ Create VM	Network Con
VM						Include Controller VMs	O 1 VM (filtered from 40)	• 🕸 🖌 - 🛛 s9s	
 VM Name 	Host	IP Addresses	Cores N	Update Disk	? ×	Controller Write Control	oller IO Bandwidth Controller Avg IO I	atency Backup and	Flash Mode
				The CD-ROM is empty.	×	IOPS			
• s9scc	BizDev06-B/AHV	10.16.37.51	2	Туре		8	157 KBps 1.2	25 ms Yes	No
				CD-ROM	~				
				Operation					
				Clone from Image Service	~				
				Rus Tuno					
				IDE	•				
				Image 🛞					
				Ubuntu 20.04 LTS	~				
				Size (GiB) 🕐					
				1.18					
				Please note that changing the size of an image is not allowed.					
Summary > s9scc				Index (D. Brause)		asole Power Off Action		Clone 🖌 Uno	late 🗙 Delet
				o (in use)					
VM DETAILS	VM P	erformance	Virtua			VM Tasks	I/O Metrics	Cor	isole
Name	• s9scc			Cancel	Update				
Description	CPU Usaç CC host	3e							
ID									
28fc312c-44f3-44bc-89f0-cd0	01:00 PM	1		02:00 PM			:00 PM		
Host	BizDev06-B Memory U	124Å6							
Host IP	10.16.0.100								
Memory	8 GIB 01:00 PM	4							

Under "Disks", add a new disk volume for the Operating System as shown below. Allocate at least **60GB** to it.

000				Win10-PartnerVDI		
BizDev06 - Prism Element 🗙 🤇	Severalnines ClusterCont	trol × +		· · · · · · · · · · · · · · · · · · ·		o – o ×
← → C ☆ ▲ Not secure h	ttps://10.16.0.105:9440/	/console/#page/vn	ns/table/?action=o	tails&actionTargetId=00057468-2ac0-f0b1-0000-000000008345%3A%3A28fc3	12c-44f3-44bc-89f0-cd03d72bcaab&actionTargetName=s9scc&act	ionParentEntityType= 😭 😩 🗄
Apps 🖪 Nutanix Web Conso						II Reading lis
					imary_file,	
BizDev06 VM		•• 0 6 •				
Overview · Table						+ Create VM Network Config
VM					Include Controller VMs · IVM (filtered from 40)	\$ ~ · s9s ×
▲ VM Name	Host	IP Addresses	Cores M	Add Disk ? ×	Controller Write IOPS Controller IO Bandwidth Controller Avg IO Late	ncy Backup and Flash Mode
• s9scc	BizDev06-B/AHV	10.16.37.51	2	Туре	14 260 KBps 1.19 t	ns Yes No
				DISK ~		
				Operation		
				Allocate on Storage Container -		
				Bus Type		
				SCSI *		
				Storage Container		
				A10-Container (10.49 TiB free)		
				Size (GiB) ①		
				40		
				Index		
				Next Available ~		
Summary > s9scc					hsole Power Off Actions Take Snapshot Migrate	Clone 🕜 Update 🛛 🗙 Delete
VM DETAILS	VM Pe	erformance	Virtual	Cancel Add	VM Tasks I/O Metrics	Console
Name • \$	9scc CPU Usag	IP.				
Description CC	host					
ID	0100 PM					
Host BizDevi	06-B Memory U	Isage				Peak: 14.55% Current: 14.55%
Host IP 10.16.0	0.100					
Memory 8	GiB 01:00 PM					
	-					2-56 DM





Under "Add New NIC", add a network interface as shown below. (Use the appropriate one for your situation).

• •					Win	10-PartnerVDI							
BizDev06 - Prism Element X	Severalnines ClusterCon	trol × +				••• •••••						0	- 0 :
·	https://10.16.0.105:9440/	/console/#page/vi	ms/table/?action	on=details&action1	argetId=00057468-2ac	0-f0b1-0000-000	000008345%3/	A%3A28fc312c-	-44f3-44bc-89f0-cd03d	d72bcaab&actionTarg	etName=s9scc&actio	nParentEntityType=.	- 🖈 😩
Apps 🔃 Nutanix Web Conso													III Reading
BizDev06 VM		•• 0 6 •											
Overview · Table												+ Create VM	Network Confi
VM									Include Controller V	'Ms · 🔘 1 VM (filter	ed from 40) 🌑 🗉	¢ ~s9s	×
 VM Name 	Host	IP Addresses	Cores	Memory Capacity	Storage	CPU Usage	Memory Usage	Controller Read	Controller Write IOPS	Controller IO Bandwidth	Controller Avg IO Latend	y Backup and	Flash Mode
• s9scc	BizDev06-B/AHV	10.16.37.51	2			Create NIC		? ×	14	260 KBps	1.19 m:	s Yes	No
				Subnet Na	me								
				NR_PR	I_DHCP			~					
				VLAN ID 3132	IPAM Not Managed	\ V	firtual Switch s0						
				Network C	onnection State								
				Conne	ted			~					
				Private I	Assignment								
				Network	address / prefix	Free IPs (Subnet) None	Free IPs (P None	'aoi)					
Summary > s9scc							Cancel	Add	nsole Power Off Ac	tions Take Snaps	hot Migrate (Clone 🖌 Update	× Delete
VM DETAILS	VM Pe	erformance	Vii	tual Disks	VM NICs		VM Snapsh	ots	VM Tasks	VC) Metrics	Conso	le
Name	s9scc CPU Usag	e										Peak: 31.29% C	urrent: 11.76%
Description C	C host												
28fc312c-44f3-44bc-89f0-cd03d72	2bca 01:00 PM				02:00 PI	И				03:00 PM			
Host BizDe	ev06-B Memory U	Isage										Peak: 14.57% Cu	rrent: 14.57%
Host IP 10.1	6.0.100												
Memory	8 GiB 01:00 PM				02:00 Pt	а				03:00 PM			

Click "Save"





•••				Win10-Partne	rVDI					
BizDev06 - Prism Element × 5	Severalnines ClusterControl	× +		• • •					• -	- ø ×
← → C ☆ ▲ Not secure htt	tps://10.16.0.105:9440/cor	nsole/#page/vms	/table/?action=det	ails&actionTargetId=00057468-2ac0-f0b1-00	00-000000008345%3A%3A28f	fc312c-44f3-44bc-89f0-cd0	3d72bcaab&actionTarg	etName=s9scc&actionPa	rentEntityType=	☆ 😩 :
👖 Apps 🖪 Nutanix Web Conso										Reading list
			You ha	ave a pending licensing action. Finish the pro	cess by uploading a <u>license su</u>	ummary file.				×
BizDev06 VM	· · • • • •	0 6 -						۹	? × ¢ s	everalnines-1 ×
Overview - Table								+	Create VM 1	Network Config
VM						Include Controller	VMs · 🔘 1VM (filte	red from 40) 🛛 🛛 🌣 🗸	s9s	×
 VM Name 	Host	IP Addresses	Cores Mem	Create VN	1 ?	Controller Write	Controller IO Bandwidth	Controller Avg IO Latency	Backup and	Flash Mode
• s9scc	BizDev06-B/AHV	10.16.37.51	2			9	168 KBps	1.49 ms	Yes	No
				Network Adapters (NIC)	+ Add New NIC					
				VLAN ID / VIRTUAL PRIVATE VPC SWITCH IP	MAC					
				3132						
				NR_PRT_D vs0 -	- 🖌 🖻					
				нср						
				VM Host Affinity						
				You haven't pinned the VM t	o any hosts yet.					
				+ Set Affinit						
Summary > s9scc				Custom Script		nsole Power Off	Actions Take Snap	shot Migrate Clor	ne 🕜 Update	× Delete
VM DETAILS	VM Perfo	ormance	Virtual Di		Cancel Save	VM Tasks	V	O Metrics	Console	
Name • \$9	scc CPU Usage					-			Peak: 31.29% Cur	rent: 11.76%
Description CC h	lost									
ID 28fc312c-44f3-44bc-89f0-cd03d72bc	01:00 PM			02:00 PM			03:00 PM			
Host BizDev00	6-B Memory Usag	ge							Peak: 14.57% Curr	rent: 14.57%
Host IP 10.16.0.1	100									
Memory 8 C	GIB 01:00 PM			02:00 PM			03.00 PM			
・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	1								x ^R ^ 1⊒ 4∎	3:56 PM 11/12/2021

Select the "s9scc" host and click on the "Power on" option

BizDev06 - Prism Element X	5 Severalnines ClusterCor	ntrol × +				• • • •	:						0	- 0
→ C △ ▲ Not secure #	https://10.16.0.105:9440)/console/#page/vr	ms/table/?ac	tion=details&action	TargetId=00057468-2a	c0-f0b1-0000	-000000008345	%3A%3Ab4fd91da	a-f534-437b-99d4-	c66a6ca6ffb8&actionTa	rgetName=s9s-ga	lera-18tacti	ionParentEn	ntit 🖈 😩
Apps 🔃 Nutanix Web Conso														🗄 Read
				You have a pendin	g licensing action. Fini:	h the proces	s by uploading	a <u>license summar</u> y	r file,					
BizDev06 VM	- e A A	••• 0 •• •										0 2	~ A	severalnines
												<u> </u>		0010101111001
erview · Table												+ Crea	ate VM	Network Con
_														
И								□ I	nclude Controller V	Ms · 🕜 2 VMs (filte	red from 41) 💿	\$ ~ ·	s9s	:
							Memory	Controller Read	Controller Write		Controller A	vg IO		
VM Name	Host	IP Addresses	Cores	Memory Capacity	Storage	CPU Usage	Usage	IOPS	IOPS	Controller IO Bandwidth	Lat	tency Ba	ckup and	Flash Mode
s9s-galera-1			1	2 GiB	- / 41.18 GiB	-	0%	0	0	0 KBps	C	ms Ye	IS	No
s9scc	BizDev06-B/AHV	10.16.37.51	2	8 GiB	3.71 GiB / 60 GiB	12.24%	14.56%	0	13	268 KBps	1.23	ms Ye	'S	No
nsmary > 59s-galera-1							Manage Guest	Tools ව Launc	th Console Por	wer on Take Snapsi	not Migrate	Clone	Update	e 🗙 Deleti
nsmary > 59s-galera-1 M DETAILS	VM P	Performance	v	irtual Disks	VM NICs		Manage Guest VM Snap	Tools -8 Laund	th Console Por	ver on Take Snapsi	not Migrate D Metrics	Clone	 Update Conso 	e 🗙 Delet
mmary > 595-galera-1 M DETAILS Jame + 595-gal	VM P	Performance	v	irtual Disks	VM NICs		Manage Guest VM Snap	Tools -8 Laune	ch Console Por VM Tasks	wer on Take Snapsi	not Migrate D Metrics	Clone	 Update Conso 	e 🗙 Delet
mmary > s9s-galera-1 M DETAILS ame sspritton	era-1 CPU Usag	Performance	v	irtual Disks	VM NICs		Manage Guest VM Snap	Tools -Đ Launo shots	th Console Po VM Tasks	wer on Take Snapsi	not Migrate D Metrics	Clone	 Update Conso 	e 🗙 Delet
mmary > 59s-galera-1 M DETAILS lame = \$99s-gal escription	era-1 CPU Usaç	Performance	v	irtual Disks	VM NICs		Manage Guest VM Snap No data	Tools -D Launo shots available	th Console Por VM Tasks	ver on Take Snapsi	not Migrate D Metrics	Clone	 Update Conso 	e 🗙 Delet
mmary > 59s-galera-1 M DETAILS lame = \$99-gal escription > b4rd9rba-f534-437b-99d4-c66a6cal	era-1 CPU Usag	Performance	v	irtual Disks	VM NICs		Manage Guest VM Snap No data	Tools -8 Laune shots available	th Console Por VM Tasks	ver on Take Snapsi	not Migrate D Metrics	Clone	 Update Conso 	e 🗙 Delet
mmary → 59s-galera-1 M DETAILS lame + s9s-gal escription > S did9dda/5534.437b-99d4-c66a6cal lost	era-1 CPU Usag Sffb8 Memory L	ferformance ge	v	irtual Disks	VM NICs		Manage Guest VM Snap No data	Tools & Laund sshots available	Console Pool	ver on Take Snapsi	not Migrate 2) Metrics	Clone	Update Conso Peak: 0.01%	e × Delet sle
mmary > 595-galera-1 M DETAILS Jame * 595-gal escription > b4/d9/da/s534-437b-99d4-c66a6cal ost IP	era-1 CPU Usag SITD8 Memory L	ferformance ge	v	irtual Disks	VM NICs		Manage Guest VM Snap No data	Tools -{) Laund shots avallable	ch Console Po VM Tasks	ver on Take Snapsi	xot Migrate . Metrics	Clone	Update Conso Peak: 0.01%	e × Delete sle Current: 0%





Finally, click on the "Launch Console" link in order to launch the console to go through the installation of the operating system on the VM

BizDev06 - Prism Element x 5 Sew → C ↑ ▲ Not secure https://	veralnines ClusterControl					DI						
→ C A Not secure https://		+			•						0	- 0
· · · · · · · · · · · · · · · · · · ·	/10.16.0.105:9440/console/#	page/vms/table/?a	ction=details&action	TargetId=00057468-2a	c0-f0b1-0000	-000000008345	5%3A%3Ab4fd91da	a-f534-437b-99d4-	c66a6ca6ffb8&actionTa	rgetName=s9s-gal	era-1&actionParent	Entit 😭 😩
Ipps 💽 Nutanix Web Conso												🔝 Read
			You have a pendin	g licensing action. Finis	sh the process	s by uploading	a <u>license summar</u> y	<u>r file.</u>				
BizDev06 VM ·	👳 🔺 🕕 💀 💿	3 ~									Q ? ∽ ¢	
		-										
erview · Table											+ Create VM	Network Conf
-												
⁷ M								nclude Controller V	Ms · ③ 2 VMs (filte	red from 41) 💿	\$ v · s9s	
VM Name Hos	st IP Addre	sses Cores	Memory Capacity	Storage	CPU Usage	Memory Usage	Controller Read	Controller Write	Controller IO Bandwidth	Controller Av	g IO Backup and	Flash Mode
s9s-galera-1 Biz	Dev06-C/AHV	1	2 GiB	- / 41.18 GiB	-		0	0	0 KBps	0	ms Yes	No
s9scc Biz	Dev06-B/AHV 10.16.3	.51 2	8 GiB	3.71 GiB / 60 GiB	12.24%	14.56%	0	9	137 KBps	1.42	ms Yes	No
nmary > s9s-galera-1					Manage	Guest Tools	ච Launch Conso	le Power Off A	Actions Take Snapsi	not Migrate	Clone 🖌 Upd	ate 🗙 Delete
mmary → s9s-galera-1 M DETAILS	VM Performance		Virtual Disks	VM NICs	Manage	Guest Tools VM Snap	+9 Launch Conso	ole Power Off A VM Tasks	ictions Take Snapsl	not Migrate D Metrics	Clone / Upd Con	ate X Delete
nmary > s9s-galera-1 M DETAILS ame + s9s-galera-1	VM Performance CPU Usane		Virtual Disks	VM NICs	Manage	Guest Tools VM Snap	-8 Launch Conso ashots	vie Power Off A VM Tasks	Actions Take Snapsl	not Migrate D Metrics	Cione VUpd Con	ate × Deleti isole
nmary > 59s-galera-1 M DETAILS ame = s9s-galera-1 escription	VM Performance CPU Usage	,	Virtual Disks	VM NICs	Manage	Guest Tools VM Snap	-8 Launch Conso oshots	ile Power Off A VM Tasks	Actions Take Snapsl	not Migrate D Metrics	Cione ✓ Upd Con Peak: 0.01	ate × Deleti isole
nmary > s9s-galera-1 M DETAILS ame = s9s-galera-1 escription	VM Performance CPU Usage	,	Virtual Disks	VM NICs	Manage	Guest Tools VM Snap	-4) Launch Conso oshots	e Power Off A VM Tasks	Take Snaps	not Migrate D Metrics	Clone ✓ Upd Con Peak: 0.01	ate X Deleti isole 1% Current: 0%
mmary > 59+galera-1 M DETAILS ame + 59+galera-1 escription 44990da-f534-437b-9944-66666a6ca6ftb8	VM Performance CPU Usage DIOO PM Memory Usage		Virtual Disks	VM NICS 0200 PM	Manage	Guest Tools VM Snap	4) Launch Conso ashots	Ne Power Off A VM Tasks	O300 PM	not Migrate D Metrics	Clone Vupd Con Peak: 0.01	ate × Deleti isole % Current: 0%
Inmary > S9s-galera-1 M DETAILS ame + S9s-galera-1 excrption b4/d9/da-f534-437b-9944-c66a6ca6fb8 ot B120-040-C ot 10 1010 001	VM Performance CPU Usage DLOO PM Memory Usage	·	Virtual Disks	VM NICs 0200 PM	Manage	Guest Tools VM Snap	-8 Launch Conso ashots	Ne Power Off A VM Tasks	O300 PM	not Migrate D Metrics	Clone Vupd Con Peak: 0.01 Peak: 0.01	ate × Delets sole % Current: 0%
mmary > s9s-galera-1 M DETAILS ame + s9s-galera-1 escription b4/d9/da-f534-437b-9944<66a6ca6ftb8 ott BizDev06-C ost IP 10160.001 0106.001	VM Performance CPU Usage D100 PM Memory Usage D100 PM		Virtual Disks	VM NICs 02:00 PM 02:00 PM	Manage	Guest Tools VM Snap	-a) Launch Conso ashots	e Power Off A VM Tasks	CLIONS Take Snapsi UK G300 PM	not Migrate D Metrics	Cione ✓ Upd Con Peak: 0.01 Peak: 0.01	ate X Delete Isole 1% Current: 0% 1% Current: 0%





Installing Operating System on ClusterControl AHV host

BizDev06 - Prism Element X	Severalnines ClusterControl X +	• - 0
→ C A Not secure	Sis-galera-1 - Google Chrome	- ⊔ × s9s-galera-1&actionParentEntit ☆
Apps 🖪 Nutanix Web Conso	Not secure https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6fb8/proxy&title=s9s-galera=1&uuid=b4fd91d https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6fb8/proxy&title=s9s-galera=1&uuid=b4fd91d	Ja-f534-437b-99d
	Connected (encrypted) to: s9s-galers-1 Mount ISO	8 0 U
BizDev06 VM		Q ? - 🌣 severalnine
verview · Table	Willkommen! Bienvenwe! Welcome! Добро пожаловать! Welkom! [Help]	+ Create VM Network Co
	Use UP, DOWN and ENTER keys to select your language.	
VM	[Asturianu •] Bahasa Indonesia •] Català Durisch •]	③ · ✿ ~ · s9s
VM Name	Energisen ► 1 [Energisen (KK) [Energisen (KK) [Energisen (KK)]	roller Avg IO Lätency Backup and Flash Mode
• s9s-galera-1	[Hrvatski] [Intviski	0.14 ms Yes No
• s9scc	[daViski [Lietuviškai ▶] [Magugar ▶]	1.5 ms Yes No
	[Norsk bokmå1	
	I PUISKI [Suon]	
	[Svenska -] [Čeština, -]	
	ЦЕХХлµνιкα ►] [Беларуская ►]	
	[Pycckwi -] [Conckvi -]	
	(Українська •)	
mmary > s9s-galera-1		rate Clone 🖌 Update 🗙 Dek
M DETAILS		Console
lame • s9s-g		
escription		Peak: 0.01% Current: 09
))		
b4fd91da-f534-437b-99d4-c66a6c		
lost BizDe	v06-C Memory Usage	Peak: 0.01% Current: 09
fost IP 10.1	5.0.101	
Anmony	2 GIB 0100 PM 02:00 PM 03:00 PM	
nemory		

• • •	Win10-PartnerVDI			
BizDev06 - Prism Element X	Severalnines ClusterControl X +		•	- a ×
← → C ☆ ▲ Not secure	😵 sils-galera-1 - Google Chrome —		s9s-galera-1&actionParentE	ntit 😭 😩 🗄
Apps 🖸 Nutanix Web Conso	Not secure Https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=b4fd91da-f534	4-437b-99d		Reading lis
	Connected (encrypted) to: s9s-galers-1 Mount ISO 👸	<u>ں</u> ا		
				<u>^</u>
BizDev06 VM			Q ? ~ 🗢	
Overview · Table	Network connections (Help)		+ Create VM	Network Config
_	Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.			
VM	NAME TYPE NOTES [ens3] eth - ▶] Defend to te est are to o		O + ♥ + s9s	×
VM Name	DWLTY- NO.LOGIA NZZO Sorbaldzebałżał 70 / Red Hat, Inc. / Virtio network device		troller Avg IO Latency Backup and	Flash Mode
• s9s-galera-1			0.14 ms Yes	No
• s9scc			1.5 ms Yes	No
Summary > s9s-galera-1			rate Clone 🖍 Updat	e 🗙 Delete
VM DETAILS			Cons	ole
Name • s9s-g	[Done 1 [Back]		Peak: 0.019	Current: 0%
Description				
b4fd91da-f534-437b-99d4-c66a6c				
Host BizDe	v06-C Memory Usage		Peak: 0.019	Current: 0%
Host IP 10.1	\$.0.101			
Memory	2 GIB 0100 PM 0200 PM 0300 PM			
🚛 २ म 📄 🌀			유 스 탈	48 3:59 PM 11/12/2021 ■





•		Win10-PartnerVDI				
BizDev06 - Prism Element ×	Severalnines ClusterControl × +	• • • • • • • • • • • • • • • • • • •		_	0	- 0
→ C 1 A Not secure	s9s-galera-1 - Google Chrome		- 🗆 ×	s9s-galera-1&	actionParentEn	itit 🏫 🔮
Apps 🖪 Nutanix Web Conso	Not secure https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.htm	ml?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-ga	lera-1&uuid=b4fd91da-f534-437b-99d			III Read
	Connected (encrypted) to: s9s-galera-1		Mount ISO 🍰 👩 🔱			
BizDev06 VM				Q	? ∽ ✿	severalnines-
verview · Table	Configure proxy	ť	Help]	+ (Create VM	Network Con
	If this system requires a proxy to	o connect to the internet, enter its details here.				
VM	Proxy address: If you need to use information here.	e a HTTP proxy to access the outside world, enter the proxy Otherwise. leave this blank.	_	0.\$*	s9s	
VM Name	The proxy informa "http://[luser][:	tion should be given in the standard form of pass]@]host[:port]/".		troller Avg IO Latency	Backup and	Flash Mode
• s9s-galera-1				0.08 ms	Yes	No
• s9scc				1.32 ms	Yes	No
mmary > s9s-galera-1				rate Clone	e 🖌 Updati	e 🗙 Dele
M DETAILS					Consc	ole
ame s9s-ga						
escription		[Back]			Peak: 0.01%	Current: 0%
b4fd91da-f534-437b-99d4-c66a6ca	Memory Lisane				Books 0.04%	Current: 00
BizDer	5-C History Gage				-eak: 0.01%	Carrent: 0%
ost IP 10.10	101					
	0100 0100 014	02.00 PM	03.00 PM			

• •		Win10-PartnerVDI			
BizDev06 - Prism Element X	Severalnines ClusterControl x +	(•	- o
- > C 1 A Not secure	S9s-galera-1 - Google Chrome		- 🗆 ×	s9s-galera-1&actionParentEnt	it 😭 🚨
Apps 💽 Nutanix Web Conso	A Not secure https://10.16.0.105:9440/com	nsole/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6c	ca6ffb8/proxy&title=s9s-galera-1&uuid=b4fd91da-f534-437b-99d		Read
	Connected (encrypted) to: s9s-galera-1		Mount ISO 🖁 🚺 🔱		
BizDev06 VM				Q ? ∽ ✿ s	severalnines-
verview · Table	Configure p	noxy	[Heip]	+ Create VM	Network Con
	If this sys	tem requires a proxy to connect to the internet, enter its det	ails here.		
VM	Proxy addre	ss: If you need to use a HTTP proxy to access the outside wor information here. Otherwise, leave this blank.	id, enter the proxy	③ · ✿ • · s9s	
 VM Name 		The proxy information should be given in the standard for "http://[[user][:pass]@]host[:port]/".	m of	troller Avg IO Latency Backup and	Flash Mode
• s9s-galera-1				0.08 ms Yes	No
• s9scc				1.32 ms Yes	No
ummary > s9s-galera-1				rate Clone 🖌 Update	× Delet
VM DETAILS				Console	e
Name • \$95-5		[Done]		Deals & anti-	Course Cours
Description		[Back]		Peak: 0.01%	Current: 0%
ID					
b4fd91da-f534-437b-99d4-c66a6d	4				
Host BizD	ev06-C Memory Usage			Peak: 0.01%	Current: 0%
Host IP 10.	16.0.101				
Memory	2 GiB D1:00 PM	02:00 PM	03:00 PM		
memory					





•	Win10-PartnerVD)	
BizDev06 - Prism Element X	9 Severalnines ClusterControl X +	o – a
→ C A Not secure	👌 s3x-galera-1 - Google Chrome — 🗌	× s9s-galera-1&actionParentEntit 😭
Apps 🔳 Nutanix Web Conso	A Not secure https://10.16.0.105:9440/console/fib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=b4fd91da-f534-437b-	-99d
_	Connected (encrypted) to: s9s-galers-1 Mount ISO 👸 🧑	<u>ل</u>
BizDev06 VM		Q ? 🗸 🌣 severalnines
	Configure Ubuntu archive minnor (Help)	
erview · Table	If you use an alternative micron for Ukuntu, enter its details here	+ Create VM Network Co
	Mirror sticker: http://www.ukurtu.com/durity	
7M	You may provide an archive minor that will be used instead of the default.	○ · ♥ · . s9s
VM Name		troller Avg IO Backup and Flash Mode
s9s-galera-1		0.08 ms Yes No
s9scc		1.32 ms Yes No
mary > s9s-galera-1		rate Clone 🖍 Update 🗙 Dele
DETAILS		Consta
DETAILS		Console
ime s9s-ga	[Done]	Peak: 0.01% Current: 09
scription	L Back J	reak of the Current of
4fd91da-f534-437b-99d4-c66a6ca		
st BizDer	Memory Usage	Peak: 0.01% Current: 05
ost IP 10.16	0.101	
emory	2 GIB 000 PM 02:00 PM 0300 PM	









•••	Win10-PartnerVDI		
BizDev06 - Prism Element ×	Severalnines ClusterControl x +	o – a	×
← → C ↑ ▲ Not secure	🕲 59r-gaters-1 - Google Chrome – 🗆 🗙	s9s-galera-1&actionParentEntit 😭 🔒	1.1
Apps 🖪 Nutanix Web Conso	A Not secure https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=b4fd91da-f534-437b-99d	E Read	Jing list
	Connected (encrypted) to: s9-galers-1		
BizDev06 VM		Q ? - 🌣 severalnines-t	~
Overview - Table	Storage configuration [Help]	 Croate VM Natural: Care 	
overview · Table	FILE SVGTEH SUHWARY	+ Create VM Network Com	19
	HOUNT POINT SIZE TYPE DEVICE TYPE		a I
VM	[/ 20.000G new ext new LYM logical volume +] [/boot 1.000G new ext new partition of local disk +]	595 · 40 · 595	<u> </u>
		troller Avg IO	
- VM Name	AVAILABLE DEVICES	Latency Latency	
• s9s-galera-1	DEVICE TYPE SIZE [ubuntu-vg (new) L\W volume group 38.996G ▶] free space 18.996G	0 ms Yes No	
• s9scc	[Dreate software RAID (md) ▶]	1.32 ms Yes No	
	[Create vo Confirm destructive action		
	USED DEVICE Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be forwarted		
	DEVICE Venue 11 not be able to notice the base provides screen once the		
	ubuntu-19 installation has started.		- 1
	(8naa,5506 Are you sure you want to continue?		
	partition (No] partition (No)		
			- 1
Summary > s9s-galera-1		rate Clone 🖌 Update 🗙 Delete	
VM DETAILS		Console	
Name • s9s-g	[Done] [Recet]		
Description	E Pask J	Peak: 0.01% Current: 0%	
ID			
b4fd91da-f534-437b-99d4-c66a6c			
Host BizDe	v06-C Memory Usage	Peak: 0.01% Current: 0%	
Host IP 10.1	5.0.101		
Memory	2 GIB 01.00 PM 02:00 PM 03:00 PM		-
🖪 ク 🗄 📒 🧿		로 ^유 ^ 도 네 3:59 PM	导行
		17/12/2021	





Select appropriate Host, User, etc. (We have selected **s9scc** and **s9s** in this example)

) 😑 🖷	Win10-PartnerVDI		
BizDev06 - Prism Element 🗙	Severalnines ClusterControl x +	0	- 6 ×
\leftrightarrow \rightarrow \bigcirc \land A Not secure	🕲 s9x-galera-1 - Google Chrome – 🗆 🗙	s9s-galera-18/actionParentEn	nit 🕁 主 🕸
Anns II Nutanix Web Conso	▲ Not secure https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da=f534-437b=99d4-c66a6ca6ffb8/proxy8title=s9s-galera=1&uuid=b4fd91da=f534-437b=99d	5	E Reading lis
	Connected (encrypted) to: 93-galers-1 Mount ISO gg (0 (0		in the stand in th
			×
BizDev06 VM		Q ? ∽ ✿	
Overview · Table	Profile setup [Help]	+ Create VM	Network Config
_	Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.		
VM	Your name: Sevralnines	© · ♥ · _ s9s	×
 VM Name 	Your server's name: <u>B3S-galera-1</u> The name it uses when it talks to other computers.	troller Avg IO Latency Backup and	Flash Mode
• s9s-galera-1	Pick a username: s9s	0.08 ms Yes	No
• s9scc	Choose a passuord: #ax###################################	1.28 ms Yes	No
	Confirm your password: ******		
Summary > s9s-galera-1		rate Clone 🖌 Update	× Delete
VM DETAILS		Conso	le
Name • s9s-			
Description	[pone]	Peak: 0.01%	Current: 0%
ID b4fd91da-f534-437b-99d4-c66a6			
Host BizD	v06-C Memory Usage	Peak: 0.01%	Current: 0%
Host IP 10	5.0.101		
Memory	2 GIB 0100 PM 02:00 PM 03:00 PM		

•••		Win10-PartnerVDI			
BizDev06 - Prism Element X	S Severalnines ClusterControl × +	(+) – Ø ×
← → C ☆ ▲ Not secure	S9s-galera-1 - Google Chrome		- 🗆 ×	s9s-galera-1&actionParen	tEntit 🖈 😩 :
Apps 🖪 Nutanix Web Conso	A Not secure https://10.16.0.105:9440/console/lib/no	VNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=	p4fd91da-f534-437b-99d		Reading list
	Connected (encrypted) to: s9s-galera-1	Moun	tiso 🏦 👩 🔱		× 🖆
BizDev06 VM				Q ? ∽ ¢	severalnines-1 ×
Overview · Table	SSH Setup	(Helb)		+ Create VM	Network Config
м	You can choose to in [X]	stall the OpenSSH server package to enable secure remote access to your server. Install OpenSSH server		⊙ · ¢ ~ · s9s	×
 VM Name 	Import SSH identity: Import Username	l No You can import your SSH keys from GitHub or Launchpad.		troller Avg IO Latency Backup and.	. Flash Mode
 s9s-galera-1 	120			0.08 ms Yes	No
• s9scc				1.28 ms Yes	No
Summary > Stepheral				rate Clone & Utot	tate X Delete
Summary 7 555 gold a 1					
VM DETAILS				Co	nsole
Name • s9s-g		[Done]			
Description		[Back]		Peak: 0.0	1% Current: 0%
ID b4fd91da-f534-437b-99d4-c66a6c					
Host BizDe	v06-C menory osage			Peak: 0.0	ms current: 0%
Host IP 10.1	3.0.101				
Memory	2 GIB 01:00 PM	02:00 PM 03:0	/O PM		
🔳 🖉 🛤 📮 🧿	2			^ ⁹ R	4:00 PM ₽ 4 11/12/2021





•	Win10-PartnerVDI			
BizDev06 - Prism Element X	Severalnines ClusterControl × +		•	- 0
→ C ① ▲ Not secure	🧐 s9s-galera-1 - Google Chrome	- 🗆 ×	s9s-galera-1&actionParentE	ntit 😭 🛔
Apps 🔃 Nutanix Web Conso	Not secure https://10.16.0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=b4	4fd91da-f534-437b-99d		II Read
	Connected (encrypted) to: s9s-galers-1	so 🏭 🙆 😃		
SizDev06 VM			Q ? ~ \$	
verview · Table	Featured Server Snaps (Help)		+ Create VM	Network Con
	These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.			
VM	[] microk8s canonical/ Kubernetes for workstations and appliances ► [] nextcloud nextcloud/ Nextcloud Server – A safe home for all your data ►		○ · ♥ · s9s	
VM Name	[]uekan xet7 The open-source kanban []uekan xet7 Build ighnusght Wes that seamlessly plug into the c []docker canonical/ Docker container vuntime []docker (canonical/ Canonical Liversoth Cilent +		troller Avg IO Latency Backup and	Flash Mode
• s9s-galera-1	[] rocketchat-server rocketchat/ Rocket.Chat server ► [] mosquitto mosquitto/ Eclipse Mosquitto MQTT broker ► [] etcd canonical/ Resilient Key-value store by CoreOS ►		0.08 ms Yes	No
• s9scc	[] powershell mlcrosoft-powershell/ PowerShell for every system] [] stress-ng cking-kernel-tools tool to load and stress a computer [] saknzhd sad[hore SABnzhd		1.28 ms Yes	No
	[] wormhole snapcrafters get things from one computer to anther, safely [] ause-lil ause' Universal Command Line Interface for Amazon Meb Servi [] google-cloud-solk google-cloud-solk google Cloud SNk [] slcii softlayer Python based Softlayer API Tool. [] dotti digtalocem/ The official Distance onomand Line interface [] dotti digtalocem/ Package runtime for Conjunt-up spells to the total of the content of the total of total of the total of total of the total of total of the total of tota			
	 beroku beroku			
			ala Class di Unio	- X D-1
			Cons	ole
ame s9s-g			Peak: 0.019	Current: 0%
escription	L Dank 1			
) b4fd91da-f534-437b-99d4-c66a6c				
ost BizDe	v06-C Memory Usage		Peak: 0.019	6 Current: 0%
lost IP 10.1	0.001			
lemory	2 GIB 0100 PM 02:00 PM 03:00	PM		
				1 00 01 1

Reboot the VM once the installation is complete.

•		Winto-PartnervDi			
BizDev06 - Prism Element 🛛 🗙	Severalnines ClusterControl	x +		0	- 0
	🕲 s9s-galera-1 - Google Chrome		- 🗆 ×	eQe.colara-18tactionParant	Entit 🛧
	A Not secure https://10.16	0.105:9440/console/lib/noVNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy8	ktitle=s9s-galera-1&uuid=b4fd91da-f534-437b-99d	sasa-galera-rotaction arend	
pps 🔃 Nutanix Web Conso					III Rea
	Connected (encrypted) to: s9s	galera-1	Mount ISO 👸 👩 Ŭ		
BizDev06 VM				Q.? ∽ ‡	
		Tanan Talan analah	Course A		
erview · Table		Installing system	(Helb)	+ Create VM	Network Co
		cubiquitu/Econom/applu autoinetall config			
		subiquity/Userdata/apply_autoinstall_config			
M		subiquity/Package/apply_autoinstall_config		0 · ♥ • · s9s	
		subiquity/Kernel/apply_autoinstall_config			
VM Name		subiquity/Zdev/apply_autoinstall_config		troller Avg IO Backup and	Flash Mode
		installing system		Latency	
		curtin command install preparing for installation			
s9s-galera-1		configuring storage		5.04 ms Yes	No
		running 'curtin block-meta simple'			
s9scc		removing previous storage devices		1.29 ms Yes	No
		configuring disk: disk-sda configuring martition: partition=0			
		configuring partition: partition-1			
		configuring format: format=0 configuring partition: partition=2			
		configuring lvm_volgroup: lvm_volgroup=0			
		configuring lvm_partition: lvm_partition=0			
		configuring mount: mount-1			
		configuring mount: mount-0 writing install sources to disk			
		running 'curtin extract'			
		curtin command extract acquiring and extracting image from cp:///media/filesustem			
		configuring installed system			
		running '/snap/subiquity/2651/bin/subiquity-configure-apt /snap/subiquitu/2651/usp/bin/putbon%_true'			
		curtin command apt-config			
		curtin command in-target			
		curtin command curthooks			
		configuring apt configuring apt			
1mary > s9s-galera-1		configuring iscsi service		rate Clone 🖌 Upda	ле 🗙 Dele
LOCTURE .		configuring raid (mdadm) service installing kernel –			
I DETAILS				Con	sole
me s9s-ga		[View full log]			
				Peak: 0.01	% Current: 0%
scription					
4fd91da-f534-437b-99d4-c66a6ca	a6ffb8 01:00 PM	02:00 PM	03:00 PM		
st BizDe	v06-C Memory Usage			Peak: 0.01	% Current: 0%
10 40 4	6.0.101				
10.10	0.0.101				





Installing ClusterControl on the AHV host

After the VM host, s9scc, has been set up, find its IP from the Nutanix PE console and log into it.

General steps are:

- Generate SSH key pair (public and private) for passwordless SSH login by ClusterControl. (NOTE: do this as the sudo user. Root user works as well)
 - NOTE: the sudo user can generate SSH key pair and make them available on each (including the ClusterControl host) host by using the "ssh-copy-id" tool". For more information please refer to ClusterControl <u>documentation</u>.

Assumptions:

- *s9s* is the user created during Ubuntu installation. If not, make the appropriate substitution in the commands below
- Substitute values for *s9s_CMON_PASSWORD*, *s9s_ROOT_PASSWORD*, and *HOST*, below. Below, we assume the host ClusterControlled is being installed is, *s9scc*,

\$ ssh-keygen -t rsa \$ ssh-copy-id <cluster-control-host> \$ wget <u>http://www.severalnines.com/downloads/cmon/install-cc</u> \$ chmod +x install-cc \$ chmod +x install-cc \$ sudo S9S_CMON_PASSWORD=<your-cmon-pw> S9S_ROOT_PASSWORD=<your-mysql-pw> \ HOST=<cluster-control-host> ./install-cc # At the end of the installation you will be provided with the URL for CC web UI # Sub the IP found in Nutanix console for the CC host

Private/internal IP => http://<privateIP>/clustercontrol





Creating AHV VMs for Database hosts

1st Database host (VM)

Host **s9s-galera-1**:

				Winto-PartnerVDI					
BizDev06 - Prism Element	× Severalnines Cluster	.ontrol × +						0	- 0
	or secure https://10.16.0.105/94	40/console/#page/v	ms/table/raction=deta	iisolaction largetid=00057468-2ac0-1001-0000-00000008345%5A%3A28fc3	12C-44T3-44DC-89TU-COL	ISO/20Caab8laction larg	etivame = s9sccolact	ionParentEntityType=	- ¥ 🍝
Apps	150				an a				E Reading
			tou na	ve a pending licensing action. Hinish the process by uploading a <u>license sum</u>	<u>mary nie.</u>				
) •• 0 6 ~							
Overview · Table								+ Create VM	Network Conf
VM					Include Controlle	VMs · 🔘 1 VM (filte	ed from 40) 💿 -	¢ ~s9s	\$
VM Name	Host	IP Addresses	Cores Mem-	Create VM ? >	Controller Write	Controller IO Bandwidth	Controller Avg IO Late	ncy Backup and	Flash Mode
* s9scc	BizDev06-B/AHV	10.16.37.51	2	General Configuration	14	271 KBps	1.49	ms Yes	No
				Name					
				s9s-galera-1					
				Description					
				Optional					
				Timezone					
				(UTC) UTC -					
				Use this VM as an agent VM					
				Compute Details					
				vCPU(s)					
				1					
				Number Of Cores Per vCPU					
Summary > s9scc				1	nsole Power Off	Actions Take Snaps	hot Migrate	Clone 🖌 Update	× Delete
VM DETAILS	V	I Performance	Virtual Di	Cancel Save	VM Tasks	1/4) Metrics	Consol	e
Name	s9scc CPU U	age							
Description	CC host								
ID	010								
20103120-#413-4400-89N	RizDovOS.P Memor	/ Usage							
Here 10	1015 0100								
Momony	P.GIP 010								
Menory	0.000								







•				Win10-PartnerVDI						
BizDev06 - Prism Element X	Severalnines ClusterContro	+ × lo							0	- 0
→ C A Not secure A	ttps://10.16.0.105:9440/c	onsole/#page/vm	s/table/?action=det	ails&actionTargetId=00057468-2ac0-f0b1-0000-000000	08345%3A%3A28fc31	12c-44f3-44bc-89f0-cd03d72	bcaab&actionTargetNam	=s9scc&actionPa	rentEntityType=	. ☆ 🏝
Apps 🔣 Nutanix Web Conso										🔝 Readir
			You h	ave a pending licensing action. Finish the process by up	oading a <u>license sum</u>	mary file.				
		• 0 @ -								
erview - Table								•	Create VM	Network Co
и						Include Controller VMs	O 1 VM (filtered from	n 40) 💿 · 🌣 ~	. s9s	
_				Update Disk	? ×					
VM Name	Host	IP Addresses	Cores Mem	The CD-ROM is empty.	×	Controller Write IOPS	troller IO Bandwidth Control	er Avg IO Latency	Backup and	Flash Mode
s9scc	BizDev06-B/AHV	10.16.37.51	2	-		8	157 KBps	1.25 ms	Yes	No
				Type						
				CD-ROM						
				Operation						
				Clone from Image Service	ř					
				Bus Type						
				IDE	~					
				Image 🕡						
				Ubuntu 20.04 LTS	,					
				Size (GiB) ①						
				1.18 Please note that changing the size of an image is not allowed						
				Index						
mmary > s9scc				O (in use)	~	hsole Power Off Action	ns Take Snapshot	Migrate Clor	e 🕜 Update	X Dek
M DETAILS	VM Per	formance	Virtual Di		_	VM Tasks	I/O Metri	:5	Consol	le
ame • 5')scc			Ca	ncel Update					
escription CC	CPU Usage							F		
28fc312c-44f3-44bc-89f0-cd03d72b	01:00 PM			02:00 PM			3:00 PM			
ost BizDevi	06-B Memory Us	age						P	eak: 14.55% Cu	
ost IP 10.16.0	.100									

000				Win10-PartnerVDI					
BizDev06 - Prism Element 🗙 🤇	Severalnines ClusterCont	rol × +						0	– ø ×
← → C ☆ ▲ Not secure #	ttps://10.16.0.105:9440/	console/#page/vn	ns/table/?action=det	ails&actionTargetId=00057468-2ac0-f0b1-0000-000000008	3345%3A%3A28fc312c	c-44f3-44bc-89f0-cd03d72bcaa	b&actionTargetName=s9scc&acti	onParentEntityType=	
Apps 🔝 Nutanix Web Conso									E Reading list
			You h	we a pending licensing action. Finish the process by uploa	ding a license summa	ary_file,			,
BizDev06 VM	* * 4 0 ·	• 0 💿 •							
Overview - Table								+ Create VM	Network Config
VM						Include Controller VMs · 《	1 VM (filtered from 40)	\$ ~ . \$95	×
* VM Name	Host	IP Addresses	Cores Mem	Add Disk	? ×	Controller Write IOPS	IO Bandwidth Controller Avg IO Later	cy Backup and	Flash Mode
• s9scc	BizDev06-B/AHV	10.16.37.51	2	Type		14	260 KBps 1.19 n	is Yes	No
				DISK	*				
				Operation					
				Allocate on Storage Container	•				
				Pro Tran					
				sos iype					
				acai					
				Storage Container					
				A10-Container (10.49 TiB free)	· ·				
				Size (GiB) ①					
				40					
				Index					
				Next Available	~				
Summary > s9scc						nsole Power Off Actions	Take Snapshot Migrate	Clone 🖌 Updat	e 🗙 Delete
VM DETAILS	VM Pe	rformance	Virtual Di	c	ancel Add	VM Tasks	I/O Metrics	Conso	ple
Name • \$	Bscc CBU Usage								
Description CC	host								
ID									
28fc312c-44f3-44bc-89f0-cd03d72b	a 01:00 PM			02:00 PM					
Host BizDev	D6-B Memory Us	sage							
Host IP 10.16.0	1.100								
Memory 8	GiB 01:00 PM								
🔳 🖉 🖽 🤉 👔	8							x ^e ^ 달 4	3:56 PM 11/12/2021





٠ .		Win	10-PartnerVDI					
BizDev06 - Prism Element × S Sever	ralnines ClusterControl × +		•				0	- a ×
← → C ☆ ▲ Not secure https://1	0.16.0.105:9440/console/#page/vms/table/?act	on=details&actionTargetId=00057468-2ad	:0-f0b1-0000-00000008345%3	IA%3A28fc312c-44f3-44t	oc-89f0-cd03d72bcaab&a	actionTargetName=s9scc&acti	onParentEntityType=.	- 🖈 😩 🗄
👖 Apps 🛛 Nutanix Web Conso								Reading list
	♥ A O · · O O ·							
Overview · Table							+ Create VM	Network Config
VM				🗇 Include	e Controller VMs 🐳 🔘	1 VM (filtered from 40) 🛛 💿 -	\$ ~ · s9s	×
* VM Name Host	IP Addresses Cores	Memory Capacity Storage	CPU Usage Usage	Controller Read Cont IOPS	troller Write IDPS Controller IO I	Bandwidth Controller Avg IO Later	icy Backup and	Flash Mode
• s9scc BizD	Dev06-B/AHV 10.16.37.51 2		Create NIC	? ×	14 20	60 KBps 1.19 m	ns Yes	No
		Subnet Name						
		NR_PRT_DHCP		~				
		VLAN ID IPAM 3132 Not Managed Network Connection State Connected	Virtual Switch vs0	•				
		Private IP Assignment						
		Network address / prefix NONE	Free IPs (Subnet) Free IPs (None None	Pool)				
Summary > s9scc			Cancel	Add	Power Off Actions T	ake Snapshot Migrate	Clone 🖌 Update	e 🗙 Delete
VM DETAILS	VM Performance V	tual Disks VM NICs	VM Snaps	hots	VM Tasks	I/O Metrics	Consol	le
Name • s9scc Description CC host	CPU Usage						Peak: 31.29% Co	urrent: 11.76%
28fc312c+44f3-44bc-89f0-cd03d72bca	01:00 PM		м		03:00 PM			
Host BizDev06-8	Memory Usage						Peak: 14.57% Cu	irrent: 14.57%
Host IP 10.16.0.100								
Memory 8 GiB	OLOO PM				03.00 PM			
= o = 🚍 👩 🐣							<i>₽</i> ~ ₽ 4	3:56 PM

• •				Willow Billion Billion	
BizDev06 - Prism Element X	Severalnines ClusterCon	itrol × +			o – a
→ C A Not secure	https://10.16.0.105:9440	/console/#page/vr	ns/table/?action=det	s&actionTargetId=00057468-2ac0-f0b1-0000-00000008345%3A%3A28fc312c-44f3-44bc-89f0-cd03d72bcaab&action	aTargetName=s9scc&actionParentEntityType= 😭 🈩
Apps 🖪 Nutanix Web Conso					🖪 Readi
			You ha	e a pending licensing action. Finish the process by uploading a license summary file.	
Bizbevoo					🔍 : - 🏕 severammes
verview · Table					+ Create VM Network Co
VM				Include Controller VMs · · 1 VM	(filtered from 40) (filtered from 40)
 VM Name 	Host	IP Addresses	Cores Merro	Create VM ? × Controller Write Controller IO Bandy	idth Controller Avg IO Latency Backup and Flash Mode
				A IOPS	
• s9scc	BizDev06-B/AHV	10.16.37.51	2	9 168 K	8ps 1.49 ms Yes No
				Network Adapters (NIC) + Add New NIC	
				VLAN ID / VIRTUAL PRIVATE	
				VPC SWITCH IP MAC	
				3132	
				HCP	
				VM Host Affinity	
				You haven't alonged the VM to any heats ust	
				tou naven i pinneu the vin to any nosis yet.	
				+ Set Affinity	
ummary > s9scc				Custom Script Power Off Actions Take 5 Take 5 Take 5	napshot Migrate Clone 🖌 Update 🗙 Del
VM DETAILS	VM P	erformance	Virtual Di	VM Tasks	I/O Metrics Console
				Cancel Save	
Name	e s9scc				
lame	e s9scc CPU Usag	je			Peak: 31.29% Current: 11.76
lame Description	e s9scc CPU Usag CC host	ąе .			Peak: 31.29% Current: 11.76
Name Description D 28fc312c-44f3-44bc-89f0-cd03d7	e s9scc CPU Usag CC host 2bca 01.00 PM	je		02.00 PM 03.00 PM	Peak: 31.29% Current: 1176
Name Description D 28fc312c-44f3-44bc-89f0-cd03d Host Bizt	e s9scc CC host 2bca ev06-B Memory L	je Isage		0200 PM 03.00 PM	Peak: 31.29% Current: 1176 Peak: 14.57% Current: 14.57
Name Description 10 286/312c-4473-44bc-8910-cd03d7 Host Bizt Host IP 10	e s9scc CC host 2bca ev06-B Memory L	je Jsage		02.00 PM 02.00 PM	Peak: 31.29%. Current: 11.70 Peak: 14.57%. Current: 14.57





Select "Power On" the VM:

		trol × +										(o – o
→ C ① ▲ Not secure	https://10.16.0.105:9440/	console/#page/vn	ns/table/?ac	tion=details&action	TargetId=00057468-2a	c0-f0b1-0000-	00000008345%	3A%3Ab4fd91da-f	1534-437b-99d4-c66a6	:a6ffb8&actionTargetI	Name=s9s-galera-	-1&actionParer	tEntit 😭
Apps 💽 Nutanix Web Conso													E
				You have a pendin	g licensing action. Fini:	sh the process	by uploading a	license summary fi	ile.				
BizDev06 VM	🔹 🗢 🔺 🛈	•• 0 🕖 •									م	.?×¢	
erview · Table												+ Create VM	Network 0
m									lude Controller VMs	2 VMs (filtered f	rom 41) 💿 · 🌣	v · s9s	
VM Name	Host	IP Addresses	Cores	Memory Capacity	Storage	CPU Usage	Memory	Controller Read	Controller Write Control	oller IO Bandwidth	Controller Avg IO	Backup and	Flash Mod
							Usage	101-3	101-3		Catency		
s9s-galera-1			1	2 GiB	- / 41.18 GiB	-	0%	0	0	0 KBps	0 ms	Yes	No
s9scc	BizDev06-B/AHV	10.16.37.51	2	8 GiB	3.71 GiB / 60 GiB	12.24%	14.56%	0	13	268 KBps	1.23 ms	Yes	No
nnary > s9s-galera-1						ħ	Manage Guest Tc	bols - Ð Launch	Console Power or	Take Snapshot	Migrate CI	one 🕜 Up	date 🗙 De
nmary > 59s-galera-1 M DETALS	VM Pc	erformance	v	Virtual Disks	VM NICs	М	Manage Guest To VM Snapsl	bols -8 Launch	Console Power or VM Tasks	Take Snapshot	Migrate Cl	one 🖌 Up Co	date X De
nnary > 59s-galena-1 4 DETALS ane +59s-ga scription	VM Pc cPU Usag	erformance	v	firtual Disks	VM NICs	N	VM Snapsi No data a	ools -0 Launch hots vvailable	Console Power or VM Tasks	Take Snapshot I/O Me	Migrate Ci trics	one 🖌 Up Co	date × De nsole
Imary > 59s-galera-1 A DETAILS Image • 59s-galera-1 Incertification Mr090cs+1534-437b-9964-6666cC	VM Pc alera-1 CPU Usag	rformance	v	Artual Disks	VM NICs	ħ	Manage Guest Tc VM Snapsi No data a	ools -0 Launch hots vvailable	Console Power or VM Tasks	Take Snapshot I/O Me	Migrate Ci trics	one 🖌 Up Co	date × De
nnary > 595-galera-1 M DETAILS anne « 596-ga sciption 244/9542-6534-4370-9944-66666ci 34	VM Pc CPU Usag Memory U	rformance e	v	Virtual Disks	VM NICs	ħ	Manage Guest Tc VM Snapsi No data a	nols -0 Launch hots	Console Power or VM Tasks	Take Snapshot I/O Me	Migrate Ci trics	one Vp Co	date × Dt nsole
nntury > 595-galera-1 4 DETALS ame • 595-ga drožtola f534-437b-9904-c66a6cc DXI pri IP	VM Pe Jera-1 CPU Usag Memory U	rformance e sage	v	Artual Disks	VM NICs	ħ	Manage Guest Tc VM Snapsi No data a	ools d Launch hots vallable	Console Power or VM Tasks	Take Snapshot	Migrate CI trics	one Vp Co Peak: 0.0	date × De nsole
Imary > 59s-galera-1 A DETALS Inte • 59s-galera-1 At091da-f53437b-9904-c66a6ct at at IP Imary	VM Pe kera-1 CPU Usag Memory U 2 GIB 0100 PM	informance e sage	v	Nrtual Disks	VM NICs	٩	Manage Guest TC VM Snapsi No data a	ools -0 Launch hots	Console Power or VM Tasks	Take Snapshot	Mgrate CI trics	one Vp Co Peak: 0.0	date × De nsole

Click on "Launch Console":

BizDev06 - Prism Element 🛛 🗙						no-Partnerv	Ы						
	Severalnines ClusterCont	trol × +				+							o – o
→ C A Not secure	https://10.16.0.105:9440/	console/#page/vn	ns/table/?ac	ction=details&action	TargetId=00057468-2a	c0-f0b1-0000-	-0000000083459	63A%3Ab4fd91da	-f534-437b-99d4-	c66a6ca6ffb8&actionTa	irgetName=s9s-gal	era-1&actionParer	ntEntit 😭 🖁
pps 🖪 Nutanix Web Conso													💷 Rea
				You have a pendir	g licensing action. Fini:	sh the process	s by uploading a	license summary	file.				
BizDev06 VM	- I 🤓 🔺 🕕	•• 0 0 •										Q ? ∽ ¢	
rview · Table												+ Create VM	Network Cor
										at		* .	
m								0 "	Iciude Controller V	rms · 🔮 2 vms (nite	red from 41) 🔮 -	4 • · sas	
VM Name	Host	IP Addresses	Cores	Memory Capacity	Storage	CPU Usage	Memory	Controller Read	Controller Write	Controller IO Bandwidth	Controller Av	IO Backup and	Flash Mode
							Usage	IUPS	IUPS		Late	ncy	
s9s-galera-1	BizDev06-C/AHV		1	2 GiB	- / 41.18 GiB	-	-	0	0	0 KBps	0	ns Yes	No
s9scc	BizDev06-B/AHV	10.16.37.51	2	8 GiB	3.71 GiB / 60 GiB	12.24%	14.56%	0	9	137 KBps	1.42	ms Yes	No
unary > s9s-galera-1						Manage	Guest Tools	-Ð Launch Conso	le Power Off J	Actions Take Snaps	hot Migrate	Clone 🖌 Up	date 🗙 Dele
nnary > s9+galera-1 A DETAILS	VM Pc	erformance	1	Airtual Disks	VM NICs	Manage	Guest Tools VM Snaps	-8 Launch Conso shots	le Power Off J VM Tasks	Actions Take Snaps	hat Migrate O Metrics	Clone Vup Cc	date × Dele
nnary > s9sgalera-1 4.DETALS unne + s9sg	June 2-1 CPU Usag	erformance	Ň	/irtual Disks	VM NICs	Manage	Guest Tools VM Snaps	-3 Launch Conso shots	le Power Off J VM Tasks	Letions Take Snaps	hot Migrate O Metrics	Clone Up Cc Peak: 0/	date × Dele nsole
intary > 595-galera-1 A DETALS inter \$595-g iscription	VM Pc galera-1 CPU Useg	e		Airtual Disks	VM NICs	Manage	Guest Tools VM Snaps	-린 Launch Conso shots	le Power Off J VM Tasks	Lctions Take Snaps	hot Migrate O Metrics	Clone V Up Cc Peak: 0/	date X Dele nsole 21% Current: 0%
unary > 59-spatera-1 4 DETALS Inscerption 4409104-6534-4370-9944-466466	Qalera-1 CPU Usag CPU Usag 000 PML	orformance		Artual Disks	VM NICs	Manage	Guest Tools VM Snaps	-8 Launch Conso shots	le Power Off J VM Tasks	Actions Take Snaps	hat Migrate O Metrics	Clone 🖌 Up Ccc Peak: 03	date X Dele nsole
mary > 59s-galera-1 A DETALS me = \$59s-g scription Ar(g)1ga-534-437b-99d-4-66a6c bit BEDC	galera-1 CPU Usag oto PM oto PM	irformance e søge	Ň	Virtual Disks	VM NICs 0200 PM	Manage	Guest Tools VM Snaps	-8 Launch Conso	le Power Off A	Lctions Take Snaps	hot Migrate O Metrics	Clone 🖌 Up Ccc Peak: 0.7 Peak: 0.7	date × Dele nsole 1% Current: 0%
nnary > 595-galera-1 A DETALLS arre = \$95-g storigition Artogida-f534-4370-9944-c66a66 stat = BitDiv sti (P = 0.0)	galera-1 CPU Usag co8fm8 0100 PM ex06-C Memory U	informance e sage		/mual Disks	VM NICs 02:00 PM	Manage	Guest Tools VM Snaps	-8 Launch Conso ihots	le Power Off J VM Tasks	actions Take Snaps	hot Migrate O Metrics	Clone V Up Cc Peak: 0J Peak: 0J	date X Dela nsole 21% Current: 0%
nnary > s9s-galera-1 A DETAILS scription strategion st IP to 101 emory	Qalera-1 CPU Usag ce46fb8 0100 PM sca6fb8 0100 PM 360.001 360.001 36.001 2 GB	urformance e sage		Artual Disks	VM NICs 0200 PM 0200 PM	Manage	Guest Tools VM Snaps	4 Launch Conso shots	ie Power Off J VM Tasks	actions Take Snaps	hot Migrate O Metrics	Clone ✓ Up Cc Peak: 0.1 Peak: 0.1	date X Dele nsole 21% Current: 0%





Installing Operating System on Database node AHV hosts

Start installing the Operating System (only dissimilar screens from the <u>ones used to install the ClusterControl</u> host are shown here).

Select appropriate Host, User, etc. (We have selected **s9s-galera-1** and **s9s** in this example)

• •		Win10-PartnerVDI				
🛛 BizDev06 - Prism Element 🛛 🗙 🧧	Severalnines ClusterControl × +			_	0	- 0
> C 🟠 🔺 Not secure	👌 s9s-galera-1 - Google Chrome		- 🗆 ×	s9s-galera-1&	actionParentEr	ntit 🖈 🙎
Apps 🔝 Nutanix Web Conso	Not secure https://10.16.0.105:9440/console/lib/no\	VNC/vnc_auto.html?path=vnc/vm/b4fd91da-f534-437b-99d4-c66a6ca6ffb8/proxy&title=s9s-galera-1&uuid=b4f	d91da-f534-437b-99d			I Read
	Connected (encrypted) to: s9s-galera-1	Mount IS	o 🖁 🗗 ()			
K BizDev06 VM				Q	? - ⊅	severalnines-1
verview · Table	Profile setup	(Help)		+ (Create VM	Network Conf
	Enter the username an the next screen but a	nd password you will use to log in to the system. You can configure SSH access on a password is still needed for sudo.				
VM	Your name	e: Sevralnines		0.0	s9s	х
 VM Name 	Your server's name	e: <u>59s-galera-1</u> The name it uses when it talks to other computers.		roller Avg IO Latency	Backup and	Flash Mode
• s9s-galera-1	Pick a username	858 838		0.08 ms	Yes	No
• s9scc	Choose a passuoro	1. where we have a second s		1.28 ms	Yes	No
	Confirm your password	j: waanaanaa				
ummary > s9s-galera-1				rate Clone	e 🖌 Updati	e 🗙 Delete
VM DETAILS					Consc	ole
Name • s9s-ga						
Description		[Done]			Peak: 0.01%	Current: 0%
ID						
b4fd91da-f534-437b-99d4-c66a6ca	Memory Urano				D! 0.010/	Current Off
Host BizDevC	J6-C memory osaye				Peak: 0.01%	Current: 0%
	0.101					
Host IP 10.16.0						

Complete installation and Reboot the VM.

2nd Database host

Host s9s-galera-2:

Follow instructions to install <u>1st Database node (VM)</u>, making appropriate substitutions for the host as noted above.

3rd Database host

Host s9s-galera-3:

Follow instructions to install <u>1st Database node (VM)</u>, making appropriate substitutions for the host as noted above.





Setting up new Galera Cluster in ClusterControl

General steps:

- Enable SSH using keys
- Setup hosts files to be able to access hosts via hostname vs IP address
- Create Galera Cluster from ClusterControl web UI

Enabling SSH using keys

```
# Copy the SSH key to the DB hosts
$ ssh-copy-id <dbhost1>
$ ssh-copy-id <dbhost2>
$ ssh-copy-id <dbhost2>
```

Setting up ClusterControl's hosts file

On the ClusterControl host, **s9scc**, do the following as the **s9s** user (NOTE: substitute the actual IP address of the hosts):

```
# Edit the hosts file and add entries for CC and DB hosts
sudo vi /etc/hosts
127.0.0.1 localhost.localdomain localhost
10.16.37.51 s9scc s9scc
10.16.37.75 s9s-galera-1 s9s-galera-1
10.16.37.76 s9s-galera-2 s9s-galera-2
10.16.37.77 s9s-galera-3 s9s-galera-3
```

Setting up Database nodes' host files

On each of the the DB hosts, s9s-galera-1, s9s-galera-2, etc.,, do the following (NOTE: substitute the actual IP address of the hosts):

```
sudo vi /etc/hosts
127.0.0.1 localhost.localdomain localhost
10.16.37.51 s9scc s9scc
10.16.37.75 s9s-galera-1 s9s-galera-1
10.16.37.76 s9s-galera-2 s9s-galera-2
10.16.37.77 s9s-galera-3 s9s-galera-3
```





Deploying the Database from the ClusterControl Web UI

Navigate to the ClusterControl UI by pointing your browser as noted in the <u>Installing ClusterControl on the AHV</u> <u>host</u> section. (http://<privateIP>/clustercontrol)

Register your installation with Severalnines (if not already done so)

Start deploying a MySQL (Percona XtraDB) Galera Cluster using the ClusterControl WebUI by following the screens below.







Select the "s9s" sudo user you setup while installing Ubuntu OS on the VMs (NOTE: substitute appropriate user).

NOTE: the path for SSH key: "/home/<sudo-user>/.ssh/id_rsa" (or "/root/.ssh/id_rsa")



Add the DB node hosts, s9s-galera-1, s9s-galera-2, and s9s-galera-3. Finally, click "Deploy" to deploy the DB cluster.

				Win1	10-PartnerVDI								
BizDev06 - Prism Element	× Severalnines	ClusterControl × +			•							• -	ø ×
← → C ☆ ▲ Not	t secure 10.16.37.51/clu	istercontrol/#										0-7 Å	a :
🚻 Apps 💽 Nutanix Web Con	150												Reading list
ClusterControl	Database Clusters Q	Deploy Database Cluster							O Close	Activity Dep	aloy Import	o [©] Global Setting:	s Profile
Q Search or CTRL + SPACE	galera-cluster (Galera active) and	MySQL MySQL Replication Galera	MySQL Cluster (NDB)	TimescaleDB	PostgreSQL	MongoDB ReplicaSet	MongoDB Shards	Redis Sentinel	SQL Server 2019				
E Clusters	⊞ Overview da I	📀 General & SSH Settings			2 Defir	e MySQL Servers							
Coperational Reports							Outro Data Dina						
Email Matifications		Percona XtraDB MariaDB		8.0 5.7			/var/lib/mvsgl	tory 🐨					
Email Notifications													
 Integrations 		Server Port		Admin/Root User 🕖			Admin/Root Pass	vord 🕜					
Key Management		3306		root					۲				
📽 User Management		Configuration Template my.cnf.80-pxc	•										
Documentation													
Give us Feedback		Enable SSL Encry	otion 🕈										
29. 148-14- North		Repository											
U vinats New		Use Vendor Repositories	•										
		O Setup and use the vendor's reposit	tories - learn more.										
		Select or enter a Data IP	 ~	s9s-galera-2 Select or enter a Data	a IP	 ~	Select or enter a	Data IP	 ~				
		Add Node Add Node Press enter to add node		 Enter gal 	lera nodes hostnai	nes							
Support Forum					_								
Switch Theme				Baci	k Deploy								
G Close menu				Controller: 1	.9.1.4926, Frontend	1.9.1.8151-#b5cf29	License: Active						
-													





Once the cluster is set up, the "Topology" tab should display something like the following.

 Nutanix Web Console ← → C △ ▲ Not: 	x Severalnines ClusterControl x +	o – a ×
← → C ☆ ▲ Not		
	secure 10.16.37.51/clustercontrol/#/cluster:1.g:topology	아 ☆ 😩 🗄
Apps 💽 Nutanix Web Cons	50	II Reading lis
A constant Danste	Please click here to start the orocess. The leoacy user management system will be EOL Q1/2022.	Never show again
Coperational Reports	You do not have any scheduled operational reports, would you like to schedule one now?	Never show again
Email Notifications		
- Integrations	🚍 Overview 🔥 Nodes 🏟 Dashboards 🥼 Topology 🔘 Query Monitor 🔟 Performance 📋 Backup 🔍 Manage U Security 🙌 Alarma 💈 🛋 Logs 🕏 Settings	
Key Management	galera-cluster Topology	
🐸 User Management	DB Nodes	
Documentation	Shukes Surged (Massel) △ O ₂	
💬 Give us Feedback	Chatter Size 3 WSREP ON	
🗘 What's New	Lat committee 15	
	sorgeneral_sorgeneral_sorgeneral_orgeneral_so	
	Cluster Size 3 WSREP ON	
	Last Committed 15	
	Sterophyra 3306 (Master) (? et)	
	Status Synced (Primary)	
	Cluster Size 3 WSREP ON	
	Last Committee 15 Segment ID 0	
Support Forum		
Switch Theme	& American Security Security Security	
G Close menu	© Copyright Severamines (2/21-3) in Highest Reserved Controller: 1.9.1.4926, Frontend: 1.9.1.8151-805ct29, License: Active	
• o Hi -	a .a	-A ← T d 7-12.PM



