Manual

NUBE EMPRESARIAL REPLICACIÓN





Centro de datos virtu	al				SPLA		
ntorno) Sitios: 1 문 Or	ganizaciones: 1 🛆 Centro	os de datos virtuales: 2	Aplicaciones en ejecución 脅 Máquinas virtuales: 0	I vApps: 0	Servicios Administrados Calculadora Protección de Datos Veeam Operations Manager Availability (MXOR-NE-QRO)	Memoria: OMB	Almacenamiento: 55 Gl
△ caren-MTY-VD ⊕ caren	C-Organización_Prueba_ /q-nube.telmex.com	Mty		⇔ caren-VDC ⊕ caren ⊗ prv	vq-nube.telmex.com		
Aplicaciones	CPU	Memoria	Almacenamiento	Aplicaciones	CPU	Memoria	Almacenamiento
0 vApps 0 de 0	O MHz	O MB	O MB	1 vApps O de O Maquinas virtuales en	0 MHz	O MB	55 GB

En su panel de control, abra la opción "Más" y de clic en "Availability (MXQR NE-QRO).

Seleccione "Outgoing Replications" si la replicación a ejecutar es de Querétaro a Monterrey. En caso de que la replicación sea de Monterrey a Querétaro seleccione la opción "Incoming Replications".

En el ejemplo se muestra la replicación de Querétaro a Monterrey.

VM Nube Empresarial TMX									caren inistrador de organización 🎽
⊘ caren@MXQR-NE-QRO		/7 (m) (M)	LACTIONS		Show	details		Destination site	Grouping
Incoming Replications	v v ∣ ⊡	7/ 0 AL	LACTIONS		ST	ATUS TOPOLOGY IN	ISTANCES RESOURCES	МХАР-NE-МТҮ Ү	🖹 VAPP 🗿 VM
Outgoing Replications		vApp	SLA profile T	RPO	Recovery state	Replication type	T Overall hea	ith $ au$	Last changed
E Replication Table									
🐵 Peer Sites									
$\hfill\square$ Events and Notifications									
@ Resources									
 About 					\bigtriangledown				
				No rep	lications are con	figured			
	CLEAR SELECTED	RESET COLUMNS						Items per page	20 🗸 0 - 0 of 0 results



Seleccione la opción "New Protection

Sí es la primera vez que ejecuta la configuración de replicaciones/migraciones aparecerá una pantalla solicitando las credenciales para la administración de replicaciones, en el campo Username agregue al nombre de su usuario: @ y el nombre de su tenant y de clic en "LOGIN"

En el ejemplo se agrego @caren.

	Dectinatio	in Sita			
1 Cloud vApps and VMs	Destinatio			EXPAND ALL	
	v	App / VM	The	VDC T	State T
	9	f Prueba_1	Provide credentials to manage replications on MXAP-NE- MTY.		
	9	Pruebas_	Username caren.admin@caren	🛄 caren-VDC	
	9	🖁 Prueba-U		aren-VDC	
		M VM_F	Password (D)	aren-VDC	
			Use multisite authentication		
		CLEAR SELE	CTED	items per page	20 v 1 - 4 of 4 result

Aparecerá una nueva ventana, indique:

- 1.-El sitio Destino, en el ejemplo Monterrey (MXAP-NE-MTY)
- 2.-Seleccione si desea replicar VAPP o VMs
- 3.-Seleccione la VAPP o máquina que desee replicar
- 4.-De clic en "NEXT"

New Outgoing Replication	Cloud vApps and VMs	2 ×
1 Cloud vApps and VMs	Destination Site MXAP-NE-MTY V	EXPAND ALL EVAPP (1) VM MORE V
	vApp / VM T Encrypted CPUs	Memory VDC T State T
	Interpretext and the state of the state	0 🕼 caren-VDC 🔗 Ready
3 Settings	✓ ♥ ₩ VM_Prueba (1 VMs) N/A 1	1024 🛄 caren-VDC 🔗 Ready
4 Ready To Complete	🗸 🔂 Debian GNU/Linux 10.8 (N/A 1	1024 🛄 caren-VDC 🔗 Ready
	1VMs CLEAR SELECTED	Items per page 20 \lor 1 - 3 of 3 results
		CANCEL

3



Replicación

En la siguiente ventana:

- 1.- Seleccione el data center destino y de clic en "NEXT"
- 2.- Seleccione el almacenamiento deseado en el destino
- 3.- De clic en "NEXT"

New Outgoing Replication	Destination VDC	and Storage polic	У					
1 Cloud vApps and VMs Select a virtual data center from MXAP-NE-MTY to be used as replication target:							REFRESH	
2 Destination VDC and Storage policy	Name	Т	Used CPU	Used memory	Used storage	VMs	Quota	Ongoing replications
3 Settings	• aren-MTY-VDC-	Organización_Prueba_Mty	0 M	0.00 B	0.00 B	0	Currently unavailable	0
4 Ready To Complete	C aren-VDC		2000 M	1.00 GB	101.00 GB	1	Currently unavailable	0
	4							•
							Items per page 20 🗸	1 - 2 of 2 results
	Storage policy Select the new storage po	licy placement for the recov	vered VMs 👔					
	Name	T En	cryption capabi	lity	Used		T Limit	Ŧ
							CANCEL	BACK

New Outgoing Replication	Destination VDC and Stor	rage pc	blicy					×
1 Cloud vApps and VMs					unavailable	-	•	•
2 Destination VDC and Storage policy					Items pe	r page 20 🗸	1 - 2 of 2 results	1
3 Settings	Storage policy Select the new storage policy placemen	nt for the re	ecovered VMs 🚯					
4 Ready To Complete	Name	Ŧ	Encryption capability	Used	τ	Limit	ψ τ	
(2)	• AD Default Storage Policy		No	0.00 B		1.00 TB		
\smile	○ GOLD Storage Policy		No	0.00 B		Unlimited		
	O AD Storage Policy		No	0.00 B		Unlimited		
					Items ne	10209 20	1.3 of 3 results	
						CANCEL	BACK NEX	

4



Configure los parámetros de replicación deseados:

Parámetro	Descripción
Target recovery point objective (RPO)	Deslícese sobre la barra de tiempo o haga clic en la opción deseada, establezca el periodo aceptable durante el que se pueden perder datos si hay una falla en sitio.
Storage policy	Seleccione la política de almacenamiento donde se alojaran las máquinas virtuales recuperadas y los datos replicados antes de la replicación.
Retention policy for point in time instances	Para conservar varias instancias de replicación distintas (instantáneas) en las que se pueden recuperar máquinas virtuales, seleccione la opción, seleccione la cantidad de instancias de replicación que desee conservar y seleccione el período de conservación. La cantidad de instancias de replicación preservadas depende de la política de retención configurada y requiere que el período de RPO sea lo suficientemente corto para que se creen las instancias de replicación. Por ejemplo, si selecciona conservar cuatro instancias de replicación por día, el período de RPO no debe exceder las seis horas, para permitir la retención de cuatro instancias de replicación en 24 horas.
Delay start synchronization	Define el horario mas conveniente para ejecutar la primera sincronización
Exclude Disks	Seleccione la opción en caso de que no se desee la replica de todos los discos de la VM, en el caso por ejemplo en el que solo se necesite la replicación del disco que contiene el sistema operativo
Configure Seed VMs	Usa una copia previa de las máquinas protegidas en el destino para reducir el tráfico de datos



Configure los parámetros de replicación deseados:

New Outgoing Replication	Settings			>	×		
1 Cloud vApps and VMs	Target recovery point objective (RPO)						
2 Destination VDC and Storage policy	5 min 30 min	2 hours	8 hours	24 hours	ľ		
3 Settings							
4 Ready To Complete	Retention policy for point in time instances Preserve 4 Preserve 4 Verserve 4 Verserve						
	Exclude disks	liebr that are not opportune		CANCEL BACK NEXT	Ţ		



New Outgoing Replication	Ready To Complete	X
1 Cloud vApps and VMs	Verify the selected settings before proceeding:	
	VMs	🔂 Debian GNU/Linux 10.8 (Buster)
2 Destination VDC and Storage policy	Source site	⊘ caren@MXQR-NE-QRO
3 Settings	Source VDC	acaren-VDC
5 Settings	Destination organization	🛆 caren@MXAP-NE-MTY
4 Ready To Complete	Destination VDC	📳 caren-MTY-VDC-Organización_Prueba_Mty
	Storage policy	AD Default Storage Policy
	Target RPO	8h
	Quiescing	Disabled
	Retention	4 instances over 2 days
	Sync time	No delay
		CANCEL BACK FINISH



De Clic en "FINISH"

New Outgoing Replication	Ready To Complete	×
1. Claud utters and 2015	Verify the selected settings before proceeding:	
Cloud VApps and VMs	VMs	🔂 Debian GNU/Linux 10.8 (Buster)
2 Destination VDC and Storage policy	Source site	⊘ caren@MXQR-NE-QRO
3 Sattings	Source VDC	aren-VDC
5 Setungs	Destination organization	Caren@MXAP-NE-MTY
4 Ready To Complete	Destination VDC	🔝 caren-MTY-VDC-Organización_Prueba_Mty
	Storage policy	AD Default Storage Policy
	Target RPO	8h
	Quiescing	Disabled
	Retention	4 instances over 2 days
	Sync time	No delay
		CANCEL BACK FINISH

El sistema mostrará el proceso de configuración de la réplica, al finalizar se mostrará en la columna Replication Type el estatus "Cloud Protection" y en la columna Overall Health observará el estatus "Green"

⊘ caren@MXQR-NE-QRO	ALL ACTIONS -	show details Destination site Grouping
Incoming Replications		STATUS TOPOLOGY INSTANCES RESOURCES MXAP-NE-MIY
Outgoing Replications	VM v vApp SLA profile v RPO	Recovery state Replication type T Overall health T Last changed
🖄 Replication Tasks	Configuring 1 replication (18%)	
🐵 Peer Sites	🗌 🗟 Debian GNU/Li 🕲 🖼 VM_Prueba 📋 N/A	Unknown 😔 Cloud Protection 🌒 Red 11/30/21, 2:03 PM
@ Resources		
() About		
	LI CLEAR SELECTED RESET COLUMNS	items per page 20 🗸 - 1 - 101 Tesuits
Caren@MXQR-NE-QRO		Show details Destination site Grouping
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FAILOVER

Nota: Verifique que la vApp o la máquina virtual estén protegidas en el sitio de destino, antes de iniciar una tarea de conmutación por error.

Para realizar el Failover de la réplica, seleccione la máquina virtual, de clic en "ALL ACTIONS" y seleccione la opción "Failover" .



Se mostrará la siguiente ventana:



Consolidate VM disks.- Al habilitarlo mejora el performance de las máquinas virtuales recuperadas sin embargo, la tarea de failover tomará más tiempo en completarse.

Power on recovered vApps.- Las máquinas virtuales se encenderán una vez que la tarea sea completada.

Network Settings:

- Apply preconfigured network settings on failover.- Asigna la red configurada durante la replciación de la máquina virtual
- Connect all VMs to network.- selecciona una red a la que conectar las máquinas virtuales replicadas





En la ventana "Recovery instance" seleccione la configuración deseada y de clic en "NEXT":

Synchronize all VMs to their current state.- Crea una instancia con los últimos cambios y la usa para la conmutación

Manually select existing instance.- Seleccione una instancia sin sincronizar los datos

Failover	Recovery Instance		×
1 Recovery Settings	Select recovery point in time.		
2 Recovery Instance			
3 Ready To Complete			
	聞 Debian GNU/Linux 10.8 (
	11/30/	3/21, 2:04 PM	
			CANCEL BACK NEXT

Aparecerá una nueva ventana que le permitirá seleccionar características de las VMs., seleccione los parámetros deseados y de clic en "NEXT"

Failover	Recovery Settings ×
1 Recovery Settings	Select configuration for the recovered VMs
2 Recovery Instance	Consolidate VM disks Turning on this option will consolidate all instances into the recovered disk. This can improve the runtime performance of the recovered VM, but may greatly increase RTO.
a reday to complete	Power on recovered VMs
	Network Settings Apply preconfigured network settings on failover Connect all VMs to network
	CANCEL

9



Aparecerá una nueva ventana, verifique que los datos sean correctos de clic en "FINISH".

Failover	Ready To Complete				
1 Recovery Settings	Verify the selected settings before proceeding:				
2. Recovery Instance	Recovered VMs 🔂 Debian GNU/Linux 10.8 (Buster)				
2 Recovery instance	Recovery site	MXAP-NE-MTY			
3 Ready To Complete	Recovery network	Preconfigured network settings			
	Synchronize VM changes	Manually selected instance			
	Power on recovered VMs	Enabled			
	Consolidate VM disks	Disabled			
		CANCEL BACK FINISH			

Al finalizar el sistema mostrará que el Failed-Over esta listo.

	VM T	vApp		SLA profile	r	RPO	Recovery state	Replication type 🛛 🕆	Overall health 🛛 🕆	Last changed
	🗗 Debian GNU/Li 🗎	🔀 VM_Prueba	3	N/A		8h	Sailed-Over	\bigotimes Cloud Protection	🕏 Green	11/30/21, 2:10 PM
1	CLEAR SELECTED	RESET COLUMNS							Items per page	20 1 - 1 of 1 results

La máquina virtual en el origen seguirá activa/encendida.