

SAGRADO

Universidad del Sagrado Corazón

INFORMÁTICA Y TECNOLOGÍA INTEGRADA

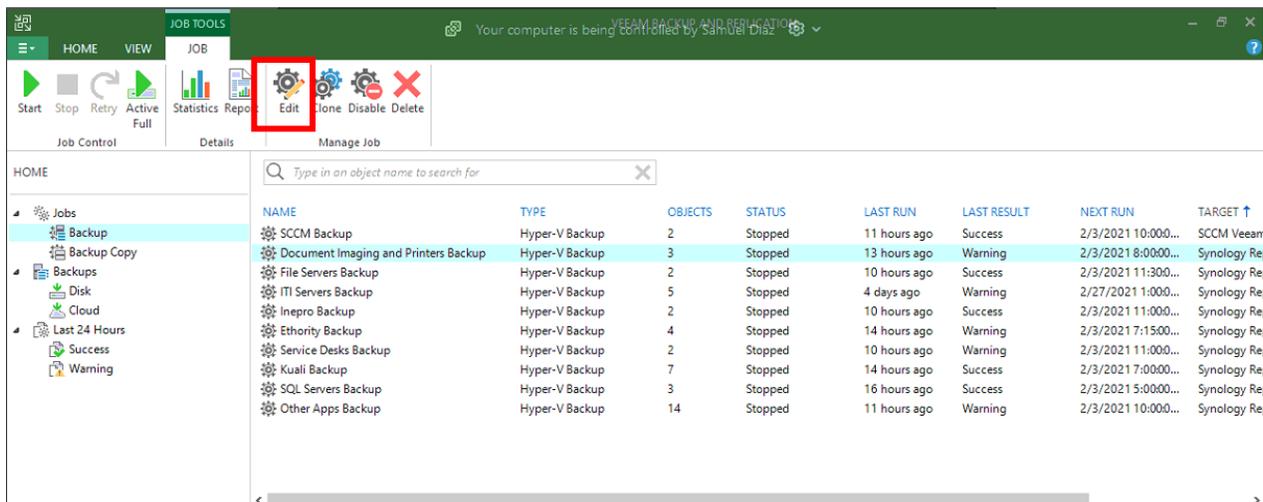
Guías para el resguardo de la información en los servidores de la universidad

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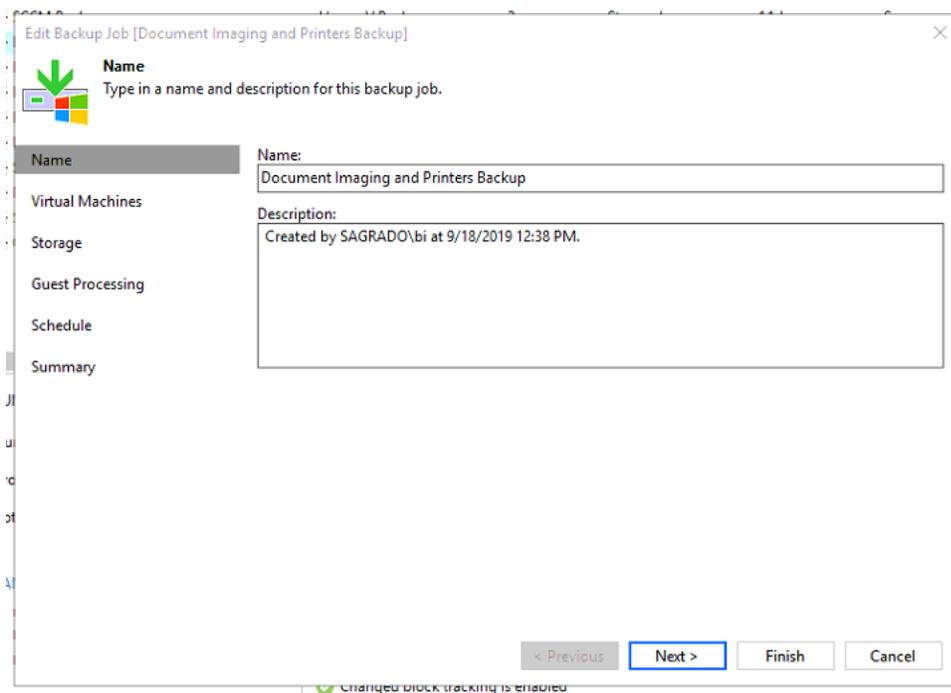
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Procedimiento de resguardo de servidores en Sagrado

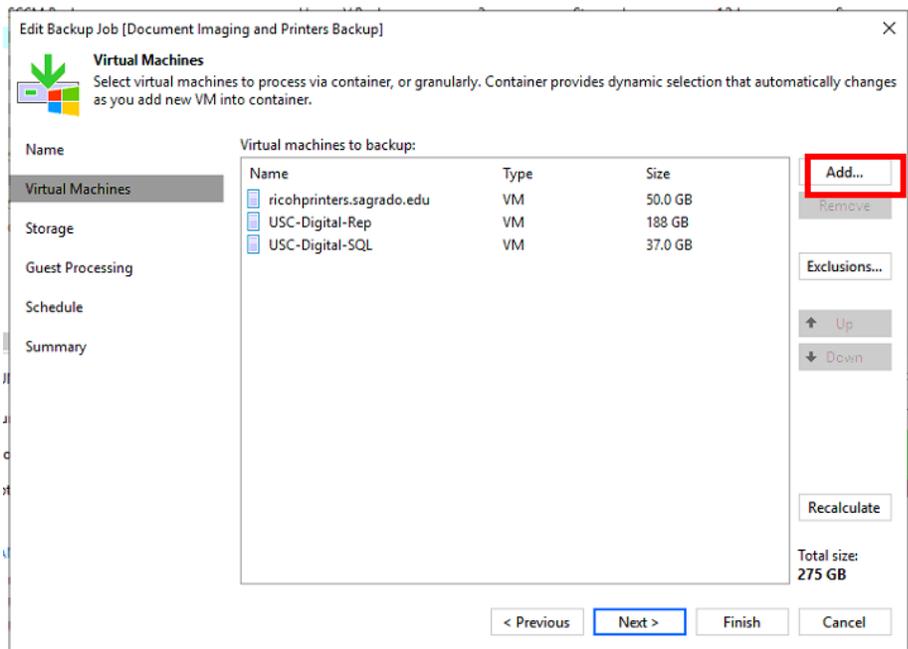
Paso 1: Seleccionamos un trabajo preexistente para mantenerlos organizados, en este caso seleccionaremos *Document Imaging and Printing Backup* y presionamos *Edit*



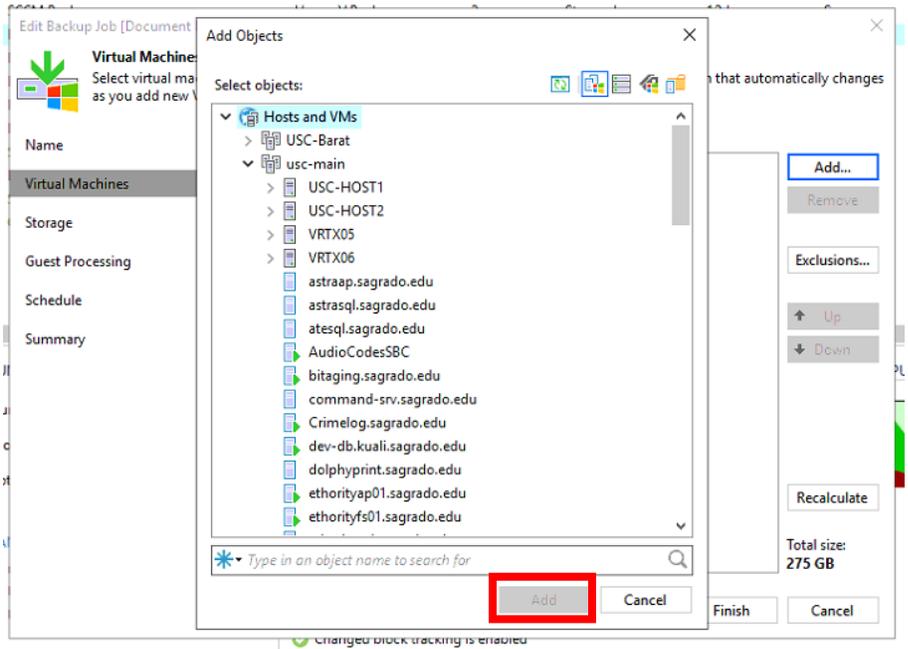
Paso 2: La primera página del *edit* nos da la opción de modificar el nombre del trabajo y la descripción la cual no es necesario cambiar en este caso.



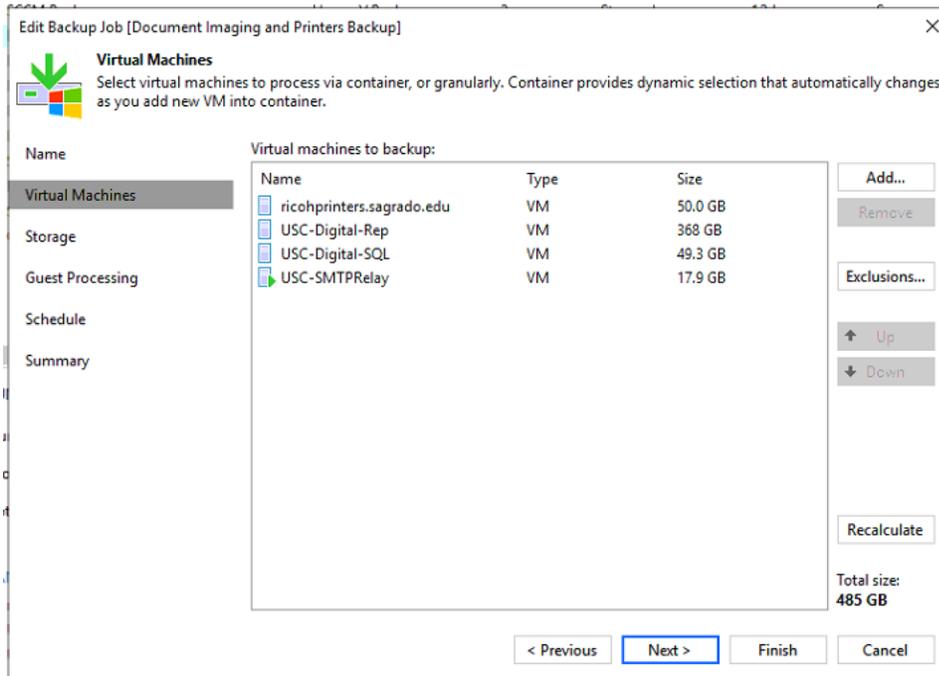
Paso 3: En la segunda pantalla del *edit* podemos ver los servidores que están en resguardo por medio de trabajo, para añadir otro servidor al trabajo seleccionamos *Add*



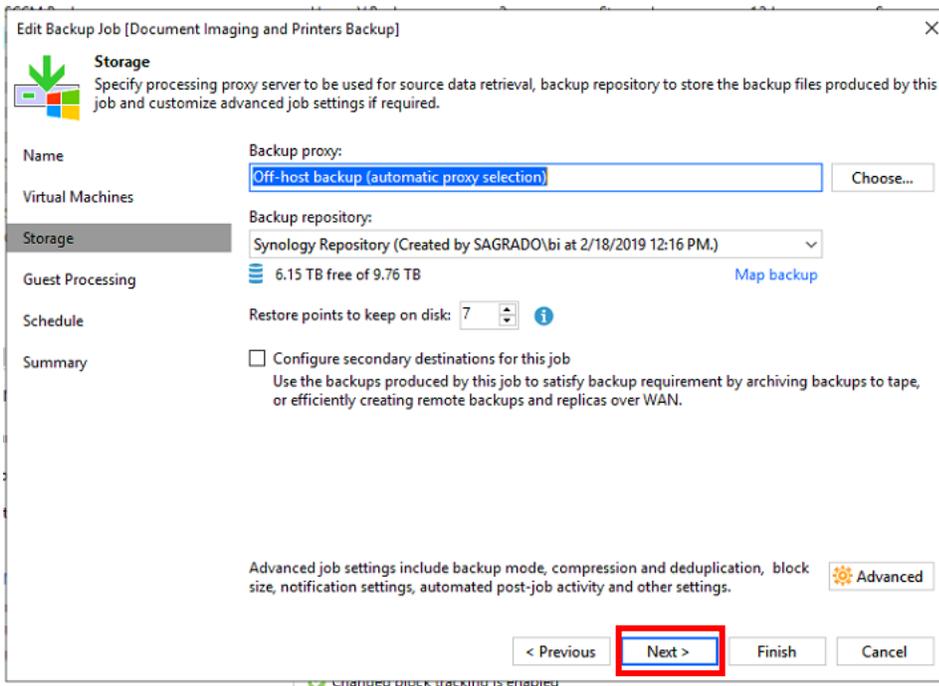
Paso 4: En la pantalla que nos aparece buscamos dentro de la aglomeración de servidores y seleccionamos el servidor que necesitamos y le damos a *Add*



Paso 5: Una vez tengamos el servidor en la lista le damos *Next* para continuar a la próxima pantalla.



Paso 6: En esta pantalla nos permite escoger la localización de los resguardos y las cantidades de resguardos que se van a mantener guardados. En este caso ya tenemos la información correcta para el trabajo. Presionamos *Next*

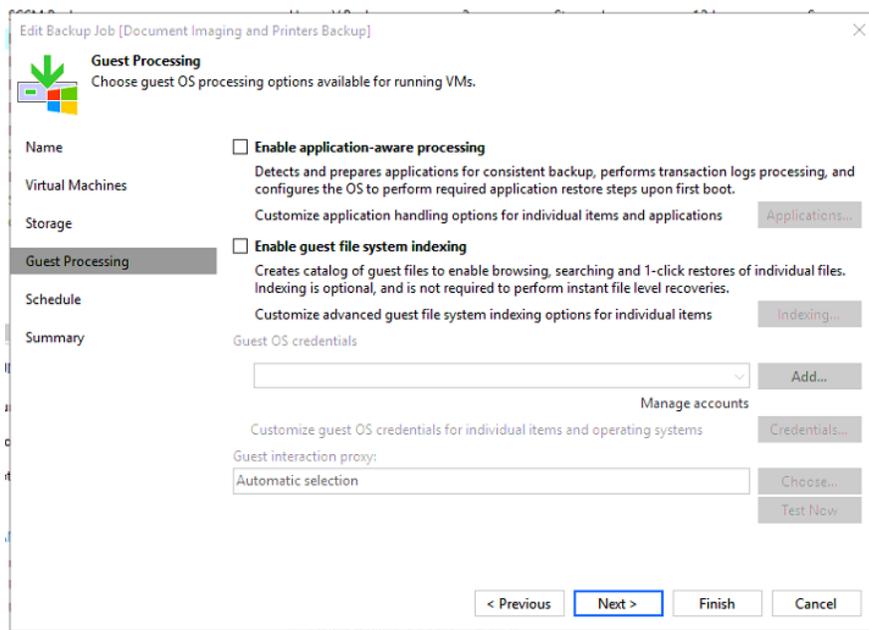


Paso 7: En la siguiente pantalla podemos seleccionar la opción para *Application Aware* o *Guest File Indexing*

Application Aware se utiliza para que Veeam pueda manejar ciertas aplicaciones en caso de hacer restauraciones del sistema. Por Ejemplo, SQL, Si se activa en un SQL Veeam tiene la capacidad de identificar los Logs files del SQL y manejar sus resguardo y restauración.

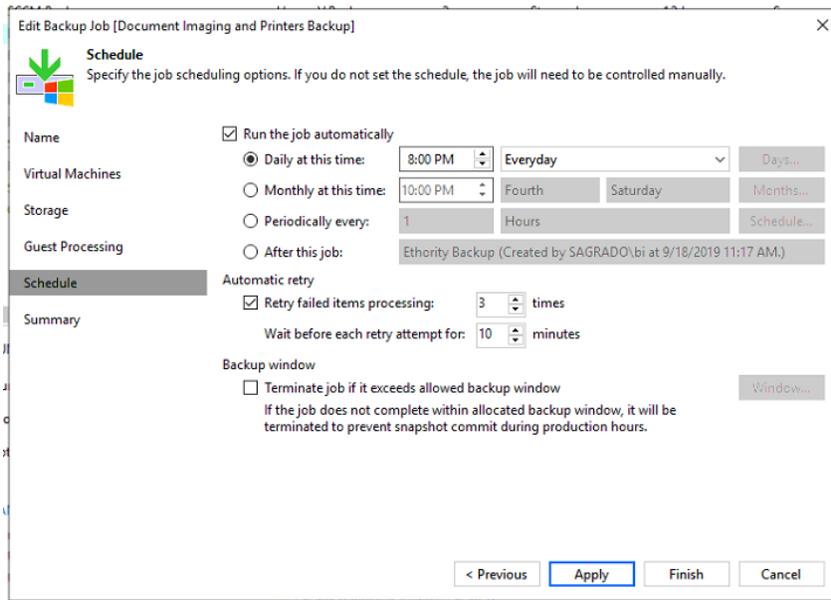
Guest File Indexing se utiliza para que Veeam haga un índice de los Files dentro del sistema operativa y se haga más fácil hacer restauraciones de archivos individuales. No es necesarios para hacer restauración de archivos individuales, pero en el caso de Files server es una herramienta que puede acortar el tiempo de restauración de archivos individuales.

Para estos servidores no se utiliza así que podemos seleccionar *Next*

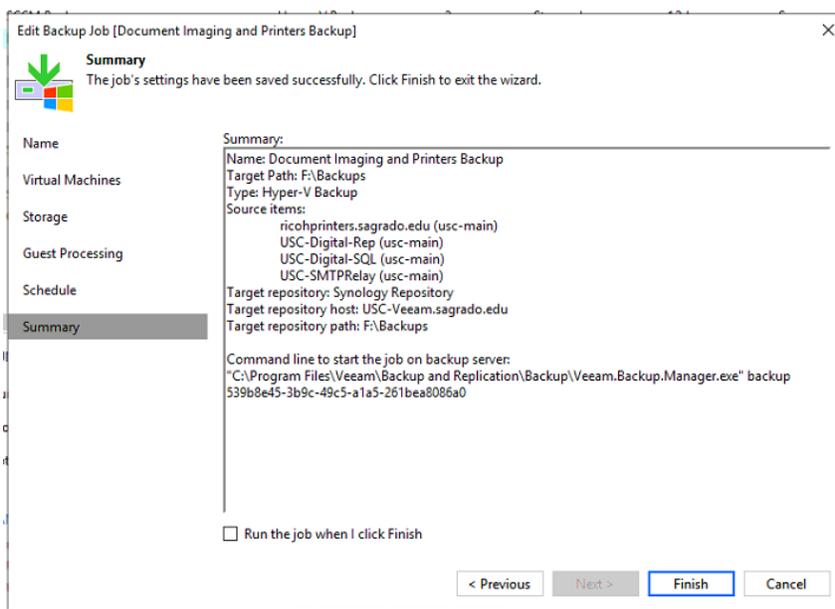


Paso 8: En esta pantalla tenemos la opción de seleccionar las frecuencias en que el trabajo va a ser ejecutado.

Podemos seleccionar diario, mensual, periódico (si queremos que sea mas de una vez en el día) o después de que otro trabajo termine para que no hayan mas de un trabajo corriendo a la vez. Además, podemos predeterminar que pasa si el trabajo falla como cuantas veces va a volver a intentarlo y cuanto tiempo esperar entre los internos.



Paso 9: En el último paso verificamos el resumen y de ser necesario de corre el trabajo en el momento podemos seleccionar el *Run the job when I click Finish* y seleccionamos *Finish*



Puntos de Retención

Sagrado cuenta con dos estilos de resguardos para los servidores. Trabajos Diarios y Trabajos Mensuales. Los trabajos diarios mantienen en promedio dos semanas de resguardos diarios. Los trabajos mensuales mantienen 12 puntos de retenciones mensuales para crear un año de resguardos.

Trabajos Diarios

Kuali Backup – 14 días de retención

Edit Backup Job [Kuali Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name:

Virtual Machines

Storage:

Secondary Target: 4.62 TB free of 9.76 TB

Guest Processing

Schedule

Summary

Restore points to keep on disk:

Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

SQL Servers Backup – 14 días de retención

Edit Backup Job [SQL Servers Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name:

Virtual Machines

Storage:

Secondary Target: 4.62 TB free of 9.76 TB

Guest Processing

Schedule

Summary

Restore points to keep on disk:

Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Service Desks Backup – 14 días de retención

Edit Backup Job [Service Desks Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)

Storage: 4.62 TB free of 9.76 TB Map backup

Secondary Target: Restore points to keep on disk: 14 ⓘ

Guest Processing: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Schedule: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

Summary: < Previous Next > Finish Cancel

SCCM Backup – 14 días de retención

Edit Backup Job [SCCM Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: SCCM Veeam Repository (Created by SAGRADO\bi at 1/29/2020 5:26 PM.)

Storage: 1.87 TB free of 3.99 TB Map backup

Guest Processing: Restore points to keep on disk: 14 ⓘ

Schedule: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

< Previous Next > Finish Cancel

ITI Servers Backup – 14 días de retención

Edit Backup Job [SCCM Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: SCCM Veeam Repository (Created by SAGRADO\bi at 1/29/2020 5:26 PM.)

Storage: 1.87 TB free of 3.99 TB Map backup

Guest Processing: Restore points to keep on disk: 14 ⓘ

Schedule: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

< Previous Next > Finish Cancel

Inepro Backup – 14 días de retención

Edit Backup Job [Inepro Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)

Storage: 4.58 TB free of 9.76 TB Map backup

Secondary Target: Restore points to keep on disk: 14 ⓘ

Guest Processing: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Schedule: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

Summary: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

< Previous Next > Finish Cancel

File Servers Backup – 14 días de retención

Edit Backup Job [File Servers Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)

Storage: 4.56 TB free of 9.76 TB Map backup

Secondary Target: Restore points to keep on disk: 14 ⓘ

Guest Processing: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Schedule: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

< Previous Next > Finish Cancel

Document Imaging and Printers Backup – 7 días de retención

Edit Backup Job [Document Imaging and Printers Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name: Backup proxy: Off-host backup (automatic proxy selection) Choose...

Virtual Machines: Backup repository: Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)

Storage: 4.56 TB free of 9.76 TB Map backup

Guest Processing: Restore points to keep on disk: 7 ⓘ

Schedule: Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary: Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. Advanced

< Previous Next > Finish Cancel

Ethority Backup – 7 días de retención

Edit Backup Job [Ethority Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> Choose...
Virtual Machines	Backup repository: <input type="text" value="Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)"/> ▼
Storage	 4.55 TB free of 9.76 TB Map backup
Secondary Target	Restore points to keep on disk: <input type="text" value="7"/> i
Guest Processing	<input checked="" type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Schedule	
Summary	

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. ⚙️ Advanced

< Previous Next > Finish Cancel

Other Apps Backups – 7 días de retención

Edit Backup Job [Ethority Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> Choose...
Virtual Machines	Backup repository: <input type="text" value="Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)"/> ▼
Storage	 4.55 TB free of 9.76 TB Map backup
Secondary Target	Restore points to keep on disk: <input type="text" value="7"/> i
Guest Processing	<input checked="" type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Schedule	
Summary	

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. ⚙️ Advanced

< Previous Next > Finish Cancel

Trabajos mensuales

Monthly Kualu Backup – 12 días de retención

Edit Backup Job [Monthly Kualu Backup] ×

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name Backup proxy:

Virtual Machines Backup repository:

Storage 4.54 TB free of 9.76 TB

Guest Processing Restore points to keep on disk:

Schedule Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Monthly SQL Servers Backup – 12 días de retención

Edit Backup Job [Monthly SQL Servers Backup] ×

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name Backup proxy:

Virtual Machines Backup repository:

Storage 4.54 TB free of 9.76 TB

Guest Processing Restore points to keep on disk:

Schedule Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Summary Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Monthly Service Desks Backup – 12 días de retención

Edit Backup Job [Monthly Service Desks Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> <input <="" td="" type="button" value="Choose..."/>
Virtual Machines	Backup repository: Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)
Storage	<input type="button" value="Map backup"/> 4.54 TB free of 9.76 TB <input type="button" value="Map backup"/>
Guest Processing	Restore points to keep on disk: <input type="text" value="12"/> <input type="button" value="i"/>
Schedule	<input type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Summary	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. <input type="button" value="Advanced"/>

< Previous **Next >** Finish Cancel

Monthly SCCM Backup – 12 días de retención

Edit Backup Job [Monthly SCCM Backup]

Storage
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> <input <="" td="" type="button" value="Choose..."/>
Virtual Machines	Backup repository: SCCM Veeam Repository (Created by SAGRADO\bi at 1/29/2020 5:26 PM.)
Storage	<input type="button" value="Map backup"/> 1.87 TB free of 3.99 TB <input type="button" value="Map backup"/>
Guest Processing	Restore points to keep on disk: <input type="text" value="12"/> <input type="button" value="i"/>
Schedule	<input type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Summary	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. <input type="button" value="Advanced"/>

< Previous **Next >** Finish Cancel

Monthly ITI Servers Backup – 12 días de retención

Edit Backup Job [Monthly ITI Servers Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name
Virtual Machines
Storage
Guest Processing
Schedule
Summary

Backup proxy:

Backup repository:

4.53 TB free of 9.76 TB

Restore points to keep on disk:

Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Monthly Inepro Backup – 12 días de retención

Edit Backup Job [Monthly Inepro Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name
Virtual Machines
Storage
Guest Processing
Schedule
Summary

Backup proxy:

Backup repository:

4.53 TB free of 9.76 TB

Restore points to keep on disk:

Configure secondary destinations for this job
Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Monthly File Servers Backup – 12 días de retención

Edit Backup Job [Monthly File Servers Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> Choose...
Virtual Machines	Backup repository: <input type="text" value="Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)"/> ▼
Storage	 4.52 TB free of 9.76 TB Map backup
Guest Processing	Restore points to keep on disk: <input type="text" value="12"/> ⓘ
Schedule	<input type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Summary	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. ⚙️ Advanced

< Previous Next > Finish Cancel

Monthly Document Imaging and Printers Backup – 12 días de retención

Edit Backup Job [Monthly Document Imaging and Printers Backup] ✕

 **Storage**
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> Choose...
Virtual Machines	Backup repository: <input type="text" value="Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)"/> ▼
Storage	 4.52 TB free of 9.76 TB Map backup
Guest Processing	Restore points to keep on disk: <input type="text" value="12"/> ⓘ
Schedule	<input type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
Summary	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. ⚙️ Advanced

< Previous Next > Finish Cancel

Monthly Other Apps Backups – 12 días de retención

Edit Backup Job [Monthly Other Apps Backup]



Storage

Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy: <input type="text" value="Off-host backup (automatic proxy selection)"/> <input type="button" value="Choose..."/>
Virtual Machines	
Storage	Backup repository: <input type="text" value="Synology Repository (Created by SAGRADO\bi at 2/18/2019 12:16 PM.)"/> <input type="button" value="Map backup"/>
Guest Processing	4.52 TB free of 9.76 TB
Schedule	Restore points to keep on disk: <input type="text" value="12"/> <input type="button" value="i"/>
Summary	<input type="checkbox"/> Configure secondary destinations for this job Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.
	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. <input type="button" value="Advanced"/>

Evidencia de Trabajos completados

Las verificaciones de los resguardos se hacen diariamente mediante verificación de correos electrónicos que envían el resultado de los trabajos en el momento que se completan o que fallan. Hay dos formas de comprobar el estado de un trabajo de resguardo. Mediante el servidor o mediante los correos electrónicos (método utilizado).

Verificación desde el Servidor

Type in an object name to search for					
JOB NAME	SESSION TYPE	STATUS	START TIME ↓	END TIME	
Monthly Other Apps Backup (Full)	Backup	17% completed	2/12/2021 10:47 AM		
File Servers Backup (Incremental)	Backup	Success	2/11/2021 11:30 PM	2/11/2021 11:36 PM	
Service Desks Backup (Incremental)	Backup	Warning	2/11/2021 11:00 PM	2/11/2021 11:15 PM	
Inepro Backup (Incremental)	Backup	Success	2/11/2021 11:00 PM	2/11/2021 11:14 PM	
Other Apps Backup (Incremental)	Backup	Warning	2/11/2021 10:00 PM	2/11/2021 10:19 PM	
SCCM Backup (Incremental)	Backup	Success	2/11/2021 10:00 PM	2/11/2021 10:22 PM	
ITI Servers Backup (Incremental)	Backup	Warning	2/11/2021 10:00 PM	2/11/2021 10:13 PM	
Document Imaging and Printers Backup (Incremental)	Backup	Warning	2/11/2021 8:00 PM	2/11/2021 8:04 PM	
Ethority Backup (Incremental)	Backup	Warning	2/11/2021 7:15 PM	2/11/2021 7:24 PM	
Kuali Backup (Incremental)	Backup	Success	2/11/2021 7:00 PM	2/11/2021 7:08 PM	
SQL Servers Backup (Incremental)	Backup	Success	2/11/2021 5:00 PM	2/11/2021 5:06 PM	
Monthly SQL Servers Backup (Full)	Backup	Success	2/11/2021 10:56 AM	2/11/2021 1:29 PM	
Monthly Service Desks Backup (Full)	Backup	Warning	2/11/2021 10:45 AM	2/11/2021 2:27 PM	
Monthly Inepro Backup (Full)	Backup	Success	2/11/2021 10:45 AM	2/11/2021 11:48 AM	
File Servers Backup (Incremental)	Backup	Success	2/10/2021 11:30 PM	2/10/2021 11:35 PM	
Service Desks Backup (Incremental)	Backup	Warning	2/10/2021 11:00 PM	2/10/2021 11:18 PM	
Inepro Backup (Incremental)	Backup	Success	2/10/2021 11:00 PM	2/10/2021 11:08 PM	
Other Apps Backup (Incremental)	Backup	Warning	2/10/2021 10:00 PM	2/10/2021 10:15 PM	
SCCM Backup (Incremental)	Backup	Success	2/10/2021 10:00 PM	2/10/2021 10:21 PM	
ITI Servers Backup (Incremental)	Backup	Warning	2/10/2021 10:00 PM	2/10/2021 10:12 PM	
Document Imaging and Printers Backup (Incremental)	Backup	Warning	2/10/2021 8:00 PM	2/10/2021 8:04 PM	
Ethority Backup (Incremental)	Backup	Warning	2/10/2021 7:15 PM	2/10/2021 7:24 PM	
Kuali Backup (Incremental)	Backup	Success	2/10/2021 7:00 PM	2/10/2021 7:08 PM	
SQL Servers Backup (Incremental)	Backup	Success	2/10/2021 5:00 PM	2/10/2021 5:07 PM	
Monthly ITI Servers Backup (Full)	Backup	Warning	2/10/2021 10:15 AM	2/10/2021 12:01 PM	
Monthly File Servers Backup (Full)	Backup	Success	2/10/2021 10:14 AM	2/10/2021 4:21 PM	

Verificación por medio de emails

Ejemplos de información recibida mediante correos electrónicos

A new ticket has been assigned to you. Please follow the link below to view the ticket.

[Success] File Servers Backup (3 machines)

Backup job: File Servers Backup								Success
Created by SAGRADO\bi at 9/18/2019 12:46 PM.								3 of 3 VMs processed
Thursday, February 11, 2021 11:30:03 PM								
Success	3	Start time	11:30:03 PM	Total size	2.3 TB	Backup size	5.8 GB	
Warning	0	End time	11:36:57 PM	Data read	12.4 GB	Dedupe	1.0x	
Error	0	Duration	0:06:53	Transferred	5.4 GB	Compression	2.0x	
Details								
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details
powervault01.sagrado.edu	Success	11:31:36 PM	11:36:48 PM	500.0 GB	8.5 GB	4.2 GB	0:05:12	
USC-FileServer	Success	11:31:36 PM	11:33:32 PM	1012.0 GB	1.2 GB	285.3 MB	0:01:55	
usc-fs-asi	Success	11:31:36 PM	11:36:37 PM	877.0 GB	2.8 GB	923.7 MB	0:05:01	

[Success] Inepro Backup (2 machines)

Backup job: Inepro Backup								Success	
Created by SAGRADO\bi at 2/9/2020 10:00 PM.								2 of 2 VMs processed	
Thursday, February 11, 2021 11:00:16 PM									
Success	2	Start time	11:00:16 PM	Total size	800.0 GB	Backup size	10.0 GB		
Warning	0	End time	11:14:06 PM	Data read	27.6 GB	Dedupe	1.0x		
Error	0	Duration	0:13:50	Transferred	9.0 GB	Compression	2.7x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
USC-Inepro	Success	11:02:13 PM	11:09:52 PM	500.0 GB	2.0 GB	600.7 MB	0:07:38		
USC-Inepro-SQL	Success	11:02:13 PM	11:13:58 PM	300.0 GB	25.6 GB	8.4 GB	0:11:45		

[Success] SCCM Backup (2 machines)

Backup job: SCCM Backup								Success	
Created by SAGRADO\bi at 2/9/2020 9:57 PM.								2 of 2 VMs processed	
Thursday, February 11, 2021 10:00:13 PM									
Success	2	Start time	10:00:13 PM	Total size	2.3 TB	Backup size	10.7 GB		
Warning	0	End time	10:22:21 PM	Data read	40.4 GB	Dedupe	1.0x		
Error	0	Duration	0:22:08	Transferred	9.5 GB	Compression	3.7x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
USC-SCCM	Success	10:03:54 PM	10:13:37 PM	1.4 TB	13.4 GB	2.8 GB	0:09:43		
USC-SQL-SCCM	Success	10:10:45 PM	10:22:12 PM	975.0 GB	27.0 GB	6.7 GB	0:11:26		

[Warning] Service Desks Backup (2 machines) 1 warning

Backup job: Service Desks Backup								Warning	
Created by SAGRADO\bi at 9/18/2019 12:41 PM.								2 of 2 VMs processed	
Thursday, February 11, 2021 11:00:16 PM									
Success	1	Start time	11:00:16 PM	Total size	600.0 GB	Backup size	19.9 GB		
Warning	1	End time	11:15:25 PM	Data read	35.7 GB	Dedupe	1.1x		
Error	0	Duration	0:15:09	Transferred	18.8 GB	Compression	1.4x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
servicedesplus.sagrado.edu	Warning	11:00:58 PM	11:15:17 PM	350.0 GB	26.8 GB	15.9 GB	0:14:18	Production drive C:\ClusterStorage\Volume1 is getting low on free space (194.3 GB left), and may run out of free disk space completely due to open snapshots.	
serviciosics.sagrado.edu	Success	11:00:59 PM	11:06:09 PM	250.0 GB	8.9 GB	2.9 GB	0:05:10		

Veeam Backup & Replication 9.5.4.2866

[Warning] Other Apps Backup (12 machines) 3 warnings

Backup job: Other Apps Backup								Warning	
Created by SAGRADO\bi at 9/18/2019 11:21 AM.								12 of 12 VMs processed	
Thursday, February 11, 2021 10:00:13 PM									
Success	9	Start time	10:00:13 PM	Total size	1.7 TB	Backup size	15.3 GB		
Warning	3	End time	10:19:42 PM	Data read	38.0 GB	Dedupe	1.1x		
Error	0	Duration	0:19:28	Transferred	14.2 GB	Compression	2.3x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
Crimeolog.sagrado.edu	Success	10:09:44 PM	10:14:07 PM	60.0 GB	6.0 GB	2.2 GB	0:04:23		
Niagara-SRV	Success	10:09:49 PM	10:14:03 PM	80.0 GB	3.7 GB	1.3 GB	0:04:14		
poiseftp.sagrado.edu	Success	10:11:44 PM	10:15:52 PM	278.9 GB	2.1 GB	714.2 MB	0:04:07		
Redis-V.sagrado.edu	Success	10:02:22 PM	10:04:48 PM	232.9 GB	486.9 MB	129.7 MB	0:02:26		
regentap.sagrado.edu	Success	10:04:12 PM	10:06:57 PM	68.3 GB	1.3 GB	562.9 MB	0:02:44		
regentdb.sagrado.edu	Success	10:04:52 PM	10:08:08 PM	279.4 GB	3.8 GB	1.1 GB	0:03:15		
sagrado-ae.sagrado.edu	Warning	10:06:43 PM	10:09:43 PM	140.0 GB	2.6 GB	1014.3 MB	0:02:59	Production drive C:\ClusterStorage\Volume1 is getting low on free space (193.0 GB left), and may run out of free disk space completely due to open snapshots.	
senseap1.sagrado.edu	Success	10:07:23 PM	10:09:42 PM	136.1 GB	1.5 GB	363.4 MB	0:02:18		
USC-APPS	Success	10:11:45 PM	10:17:52 PM	127.0 GB	10.1 GB	5.1 GB	0:06:07		
USC-Federal-Signal	Warning	10:14:00 PM	10:17:50 PM	127.0 GB	2.9 GB	723.9 MB	0:03:49	Production drive C:\ClusterStorage\Volume1 is getting low on free space (194.3 GB left), and may run out of free disk space completely due to open snapshots.	
USC-Inflow-SQL	Warning	10:08:28 PM	10:12:19 PM	100.0 GB	2.5 GB	871.8 MB	0:03:51	Production drive C:\ClusterStorage\Volume1 is getting low on free space (194.1 GB left), and may run out of free disk space completely due to open snapshots.	
USC-Sensaphone	Success	10:09:19 PM	10:11:41 PM	127.0 GB	1011.6 MB	328.9 MB	0:02:22		

[Warning] ITI Servers Backup (4 machines) 1 warning

Backup job: ITI Servers Backup								Warning	
Created by SAGRADO\bi at 9/18/2019 11:53 AM.								4 of 4 VMs processed	
Thursday, February 11, 2021 10:00:13 PM									
Success	3	Start time	10:00:13 PM	Total size	456.1 GB	Backup size	6.3 GB		
Warning	1	End time	10:13:20 PM	Data read	46.0 GB	Dedupe	1.1x		
Error	0	Duration	0:13:06	Transferred	5.8 GB	Compression	2.2x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
command-srv.sagrado.edu	Warning	10:01:14 PM	10:12:59 PM	100.0 GB	31.7 GB	1.0 MB	0:11:45	Changed block tracking will not be used for this VM until you upgrade VM hardware version to 8.0 or later.	
exalumnosap.sagrado.edu	Success	10:01:14 PM	10:05:07 PM	80.0 GB	4.2 MB	49.1 KB	0:03:53		
USC-AzureAD	Success	10:01:14 PM	10:07:14 PM	127.0 GB	8.9 GB	4.5 GB	0:05:59		
uscintra.sagrado.edu	Success	10:01:14 PM	10:07:01 PM	149.1 GB	5.3 GB	1.4 GB	0:05:47		

[Warning] Ethority Backup (4 machines) 2 warnings

Backup job: Ethority Backup								Warning	
Created by SAGRADO\bi at 9/18/2019 11:17 AM.								4 of 4 VMs processed	
Thursday, February 11, 2021 7:15:13 PM									
Success	2	Start time	7:15:13 PM	Total size	860.0 GB	Backup size	7.2 GB		
Warning	2	End time	7:24:31 PM	Data read	18.0 GB	Dedupe	1.1x		
Error	0	Duration	0:09:17	Transferred	6.6 GB	Compression	2.4x		
Details									
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details	
ethorityap01.sagrado.edu	Success	7:16:50 PM	7:22:48 PM	120.0 GB	1.5 GB	299.3 MB	0:05:57		
ethorityfs01.sagrado.edu	Success	7:16:50 PM	7:20:25 PM	120.0 GB	1.7 GB	294.4 MB	0:03:35		
ethoritysql.sagrado.edu	Warning	7:16:50 PM	7:24:25 PM	500.0 GB	13.4 GB	5.7 GB	0:07:35	Production drive C:\ClusterStorage\Volume1 is getting low on free space (194.3 GB left), and may run out of free disk space completely due to open snapshots.	
ethoritysvc.sagrado.edu	Warning	7:16:50 PM	7:21:50 PM	120.0 GB	1.4 GB	341.4 MB	0:04:59	Production drive C:\ClusterStorage\Volume1 is getting low on free space (194.3 GB left), and may run out of free disk space completely due to open snapshots.	

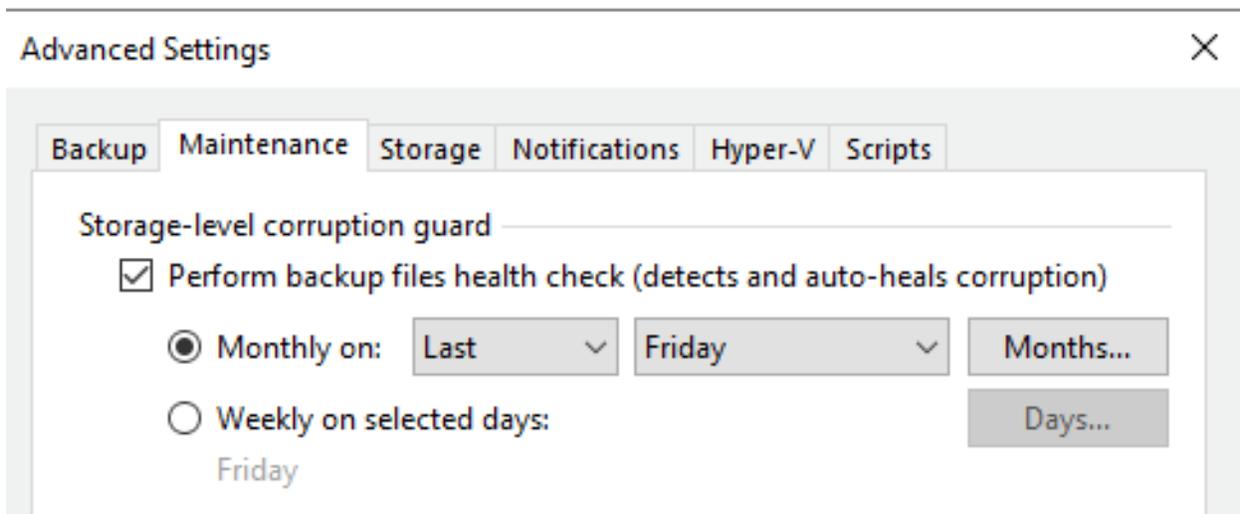
[Success] Kuali Backup (7 machines)

Backup job: Kuali Backup							Success	
Created by SAGRADO\bi at 9/18/2019 11:14 AM.							7 of 7 VMs processed	
Thursday, February 11, 2021 7:00:09 PM								
Success	7	Start time	7:00:09 PM	Total size	1020.1 GB	Backup size	3.2 GB	
Warning	0	End time	7:08:32 PM	Data read	12.2 GB	Dedupe	1.0x	
Error	0	Duration	0:08:22	Transferred	2.7 GB	Compression	3.8x	
Details								
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details
dev-db.kuali.sagrado.edu	Success	7:01:35 PM	7:08:21 PM	160.0 GB	10.1 GB	2.3 GB	0:06:45	
jenkins.kuali.sagrado.edu	Success	7:01:35 PM	7:04:10 PM	200.0 GB	184.9 MB	22.3 MB	0:02:35	
new_cas01.sagrado.edu	Success	7:04:26 PM	7:06:58 PM	40.0 GB	279.8 MB	45.3 MB	0:02:32	
new_prd1-db.kuali.sagrado.edu	Success	7:01:35 PM	7:03:08 PM	240.0 GB	8.8 MB	106.1 KB	0:01:32	
prd1.kfs.sagrado.edu	Success	7:01:35 PM	7:04:23 PM	240.0 GB	1020.5 MB	288.5 MB	0:02:48	
trn.kfs.sagrado.edu	Success	7:03:16 PM	7:06:17 PM	40.0 GB	171.8 MB	22.8 MB	0:03:01	
tst.kfs.sagrado.edu	Success	7:04:21 PM	7:06:48 PM	100.0 GB	504.8 MB	57.2 MB	0:02:26	

[Success] SQL Servers Backup (5 machines)

Backup job: SQL Servers Backup							Success	
Created by SAGRADO\bi at 9/18/2019 12:42 PM.							5 of 5 VMs processed	
Thursday, February 11, 2021 5:00:02 PM								
Success	5	Start time	5:00:02 PM	Total size	1.3 TB	Backup size	3.9 GB	
Warning	0	End time	5:06:26 PM	Data read	10.4 GB	Dedupe	1.0x	
Error	0	Duration	0:06:23	Transferred	3.6 GB	Compression	2.6x	
Details								
Name	Status	Start time	End time	Size	Read	Transferred	Duration	Details
sql2008.sagrado.edu	Success	5:01:35 PM	5:05:32 PM	745.1 GB	2.9 GB	1.5 GB	0:03:57	
sql2016	Success	5:01:35 PM	5:05:13 PM	127.0 GB	2.0 GB	559.5 MB	0:03:38	
sql2017	Success	5:01:35 PM	5:05:13 PM	160.0 GB	2.3 GB	604.5 MB	0:03:37	
USC-Prophix	Success	5:01:35 PM	5:03:18 PM	150.0 GB	1.4 GB	430.8 MB	0:01:43	
USC-WebTransaction	Success	5:03:25 PM	5:06:16 PM	127.0 GB	1.7 GB	517.2 MB	0:02:51	

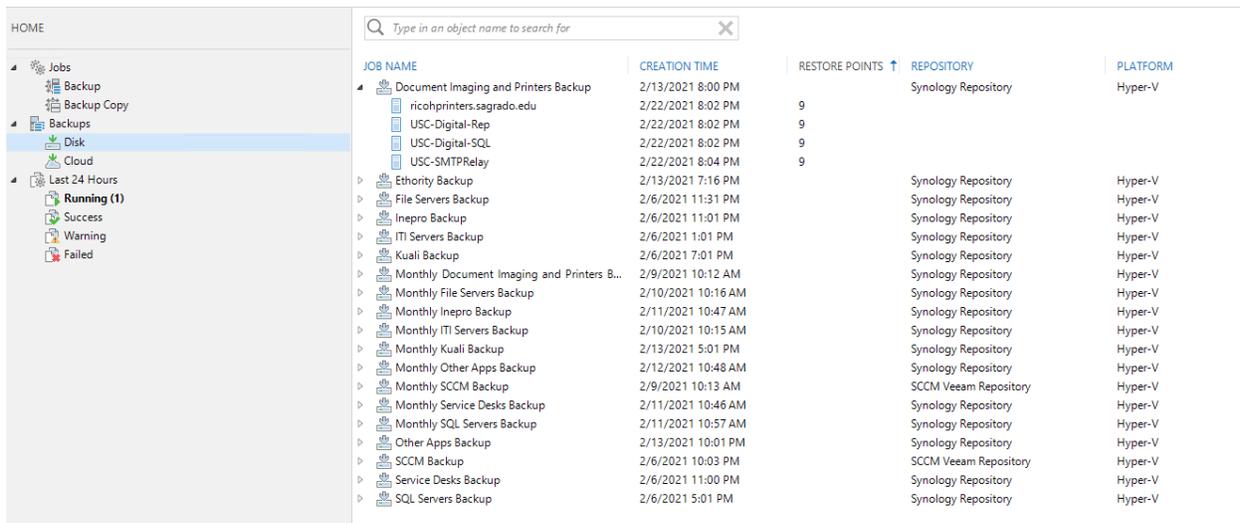
Evidencia de mantenimiento de resguardos



Proceso de verificación manual de resguardos

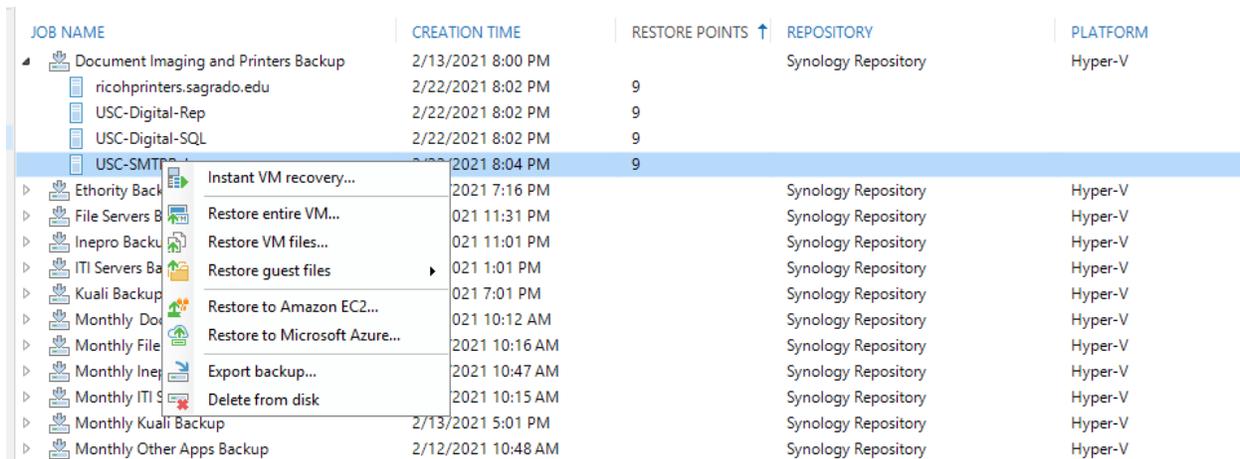
Para poder hacer las verificaciones de los resguardos la herramienta de Veeam nos provee la opción de restaurar las maquinas virtuales en su lugar de almacenamiento. Lo hacemos sin activar la tarjeta de red para evitar duplicidad de la maquina en la red.

1. El primer paso vamos a seleccionar la maquina virtual que vamos a restaurar.



JOB NAME	CREATION TIME	RESTORE POINTS ↑	REPOSITORY	PLATFORM
Document Imaging and Printers Backup	2/13/2021 8:00 PM		Synology Repository	Hyper-V
ricohprinters.sagrado.edu	2/22/2021 8:02 PM	9		
USC-Digital-Rep	2/22/2021 8:02 PM	9		
USC-Digital-SQL	2/22/2021 8:02 PM	9		
USC-SMTPRelay	2/22/2021 8:04 PM	9		
Ethority Backup	2/13/2021 7:16 PM		Synology Repository	Hyper-V
File Servers Backup	2/6/2021 11:31 PM		Synology Repository	Hyper-V
Inepro Backup	2/6/2021 11:01 PM		Synology Repository	Hyper-V
ITI Servers Backup	2/6/2021 1:01 PM		Synology Repository	Hyper-V
Kuali Backup	2/6/2021 7:01 PM		Synology Repository	Hyper-V
Monthly Document Imaging and Printers B...	2/9/2021 10:12 AM		Synology Repository	Hyper-V
Monthly File Servers Backup	2/10/2021 10:16 AM		Synology Repository	Hyper-V
Monthly Inepro Backup	2/11/2021 10:47 AM		Synology Repository	Hyper-V
Monthly ITI Servers Backup	2/10/2021 10:15 AM		Synology Repository	Hyper-V
Monthly Kuali Backup	2/13/2021 5:01 PM		Synology Repository	Hyper-V
Monthly Other Apps Backup	2/12/2021 10:48 AM		Synology Repository	Hyper-V
Monthly SCCM Backup	2/9/2021 10:13 AM		SCCM Veeam Repository	Hyper-V
Monthly Service Desks Backup	2/11/2021 10:46 AM		Synology Repository	Hyper-V
Monthly SQL Servers Backup	2/11/2021 10:57 AM		Synology Repository	Hyper-V
Other Apps Backup	2/13/2021 10:01 PM		Synology Repository	Hyper-V
SCCM Backup	2/6/2021 10:03 PM		SCCM Veeam Repository	Hyper-V
Service Desks Backup	2/6/2021 11:00 PM		Synology Repository	Hyper-V
SQL Servers Backup	2/6/2021 5:01 PM		Synology Repository	Hyper-V

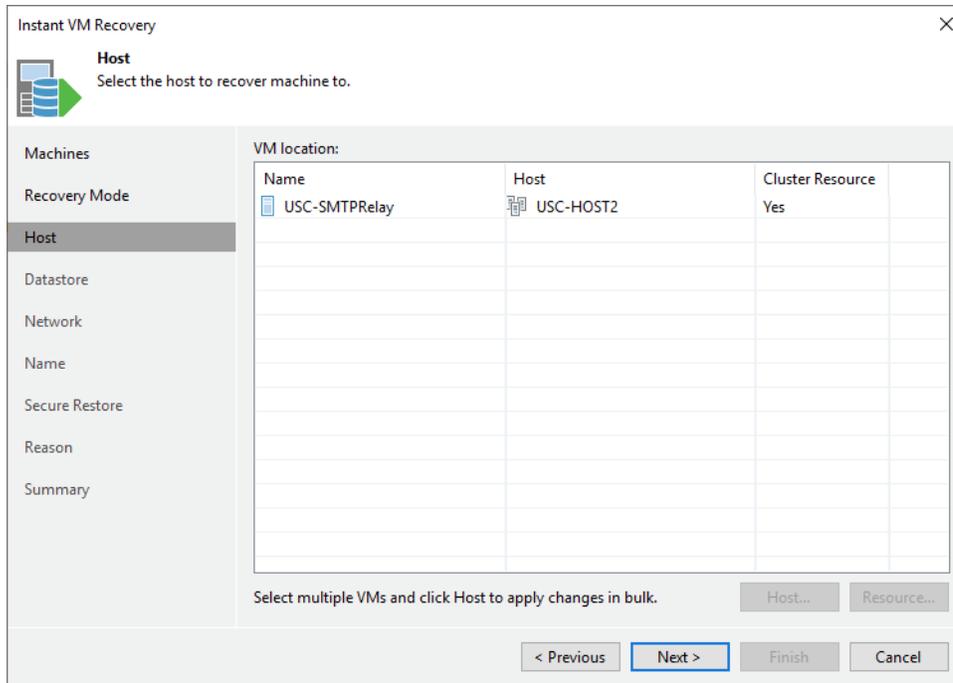
2. Le damos *right-click* a la máquina virtual y seleccionamos *Instant VM Recovery*



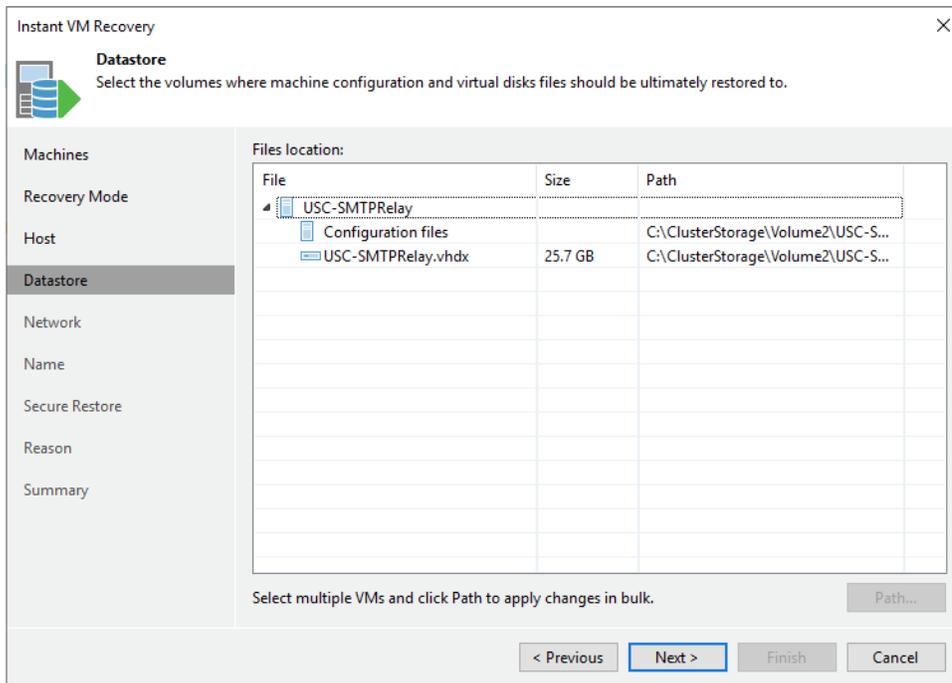
JOB NAME	CREATION TIME	RESTORE POINTS ↑	REPOSITORY	PLATFORM
Document Imaging and Printers Backup	2/13/2021 8:00 PM		Synology Repository	Hyper-V
ricohprinters.sagrado.edu	2/22/2021 8:02 PM	9		
USC-Digital-Rep	2/22/2021 8:02 PM	9		
USC-Digital-SQL	2/22/2021 8:02 PM	9		
USC-SMTPRelay	2/22/2021 8:04 PM	9		
Ethority Backup	2/13/2021 7:16 PM		Synology Repository	Hyper-V
File Servers Backup	2/6/2021 11:31 PM		Synology Repository	Hyper-V
Inepro Backup	2/6/2021 11:01 PM		Synology Repository	Hyper-V
ITI Servers Backup	2/6/2021 1:01 PM		Synology Repository	Hyper-V
Kuali Backup	2/6/2021 7:01 PM		Synology Repository	Hyper-V
Monthly Document Imaging and Printers B...	2/9/2021 10:12 AM		Synology Repository	Hyper-V
Monthly File Servers Backup	2/10/2021 10:16 AM		Synology Repository	Hyper-V
Monthly Inepro Backup	2/11/2021 10:47 AM		Synology Repository	Hyper-V
Monthly ITI Servers Backup	2/10/2021 10:15 AM		Synology Repository	Hyper-V
Monthly Kuali Backup	2/13/2021 5:01 PM		Synology Repository	Hyper-V
Monthly Other Apps Backup	2/12/2021 10:48 AM		Synology Repository	Hyper-V

- Instant VM recovery...
- Restore entire VM...
- Restore VM files...
- Restore guest files
- Restore to Amazon EC2...
- Restore to Microsoft Azure...
- Export backup...
- Delete from disk

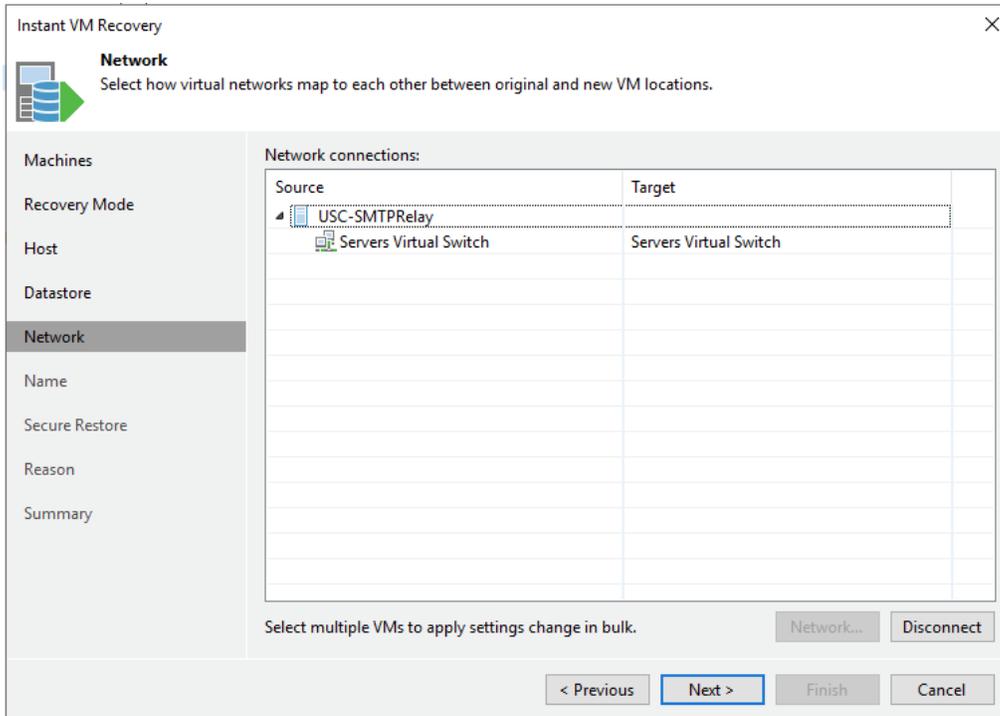
5. Podemos seleccionar el Host, para la prueba se deja en el predeterminado



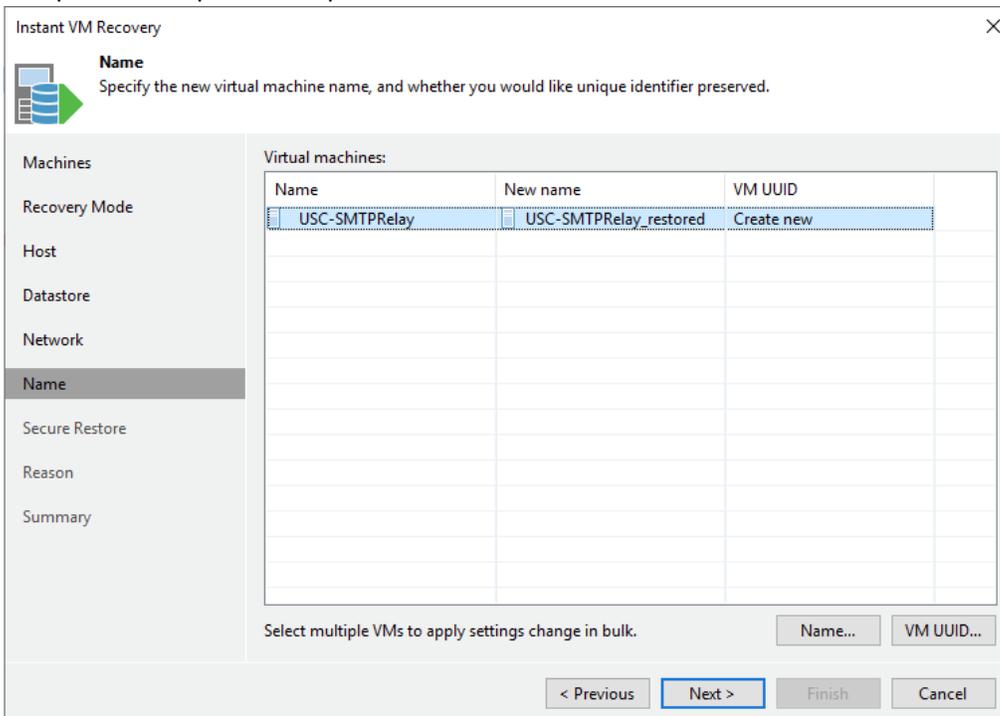
6. Podemos seleccionar el storage de la máquina virtual



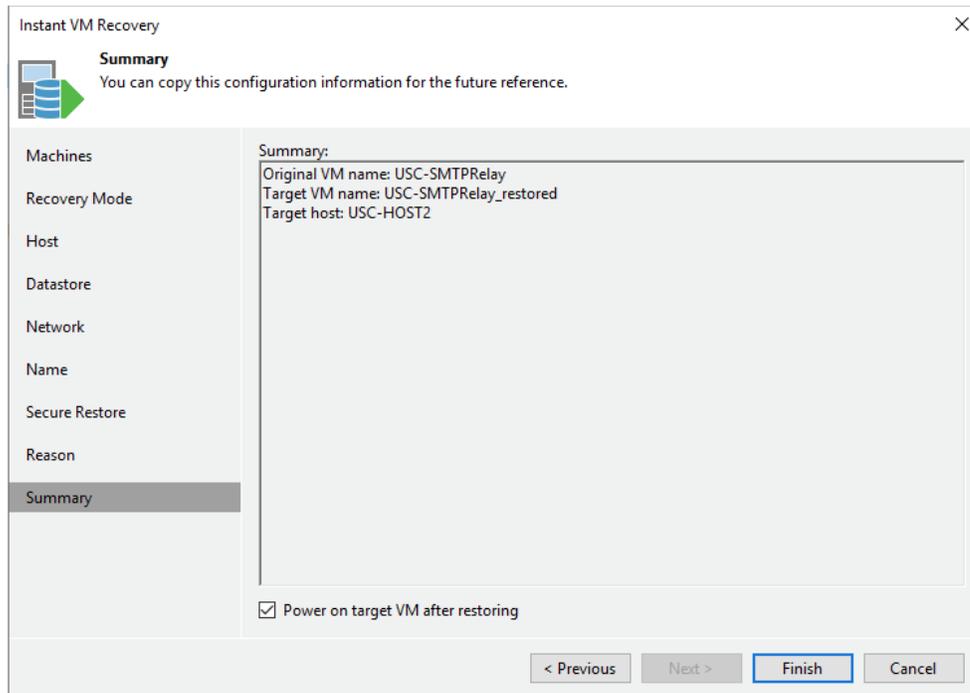
- En la pantalla de network si vamos a hacer pruebas tenemos que desconectar las conexiones de red presionando disconnect.



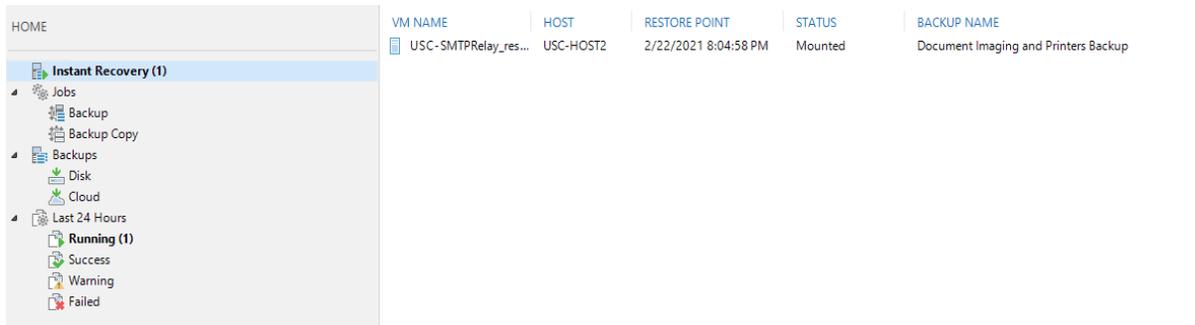
- En el área del Nombre seleccionamos la Maquina virtual y presionamos en *Name* y le cambiamos el nombre para saber que es la copia.



11. Ahora podemos finalizar el proceso y esperar que culmine el mismo para poder ver nuestra máquina virtual.



12. En nuestro menú ahora tenemos una opción nueva que se llama *Instant Recovery* y podemos ver estado de la restauración.



13. Desde ahí podemos conectarnos a la Máquina virtual y verificarla antes de moverla a producción.

