



PARAGON VM Backup

Business Continuity and Disaster Recovery for entry level VMware environments

- Low upfront investments and reduced TCO
- Managed backup and retention for business and user data
- Continuous protection of business-critical applications and data
- Enhanced availability of mission-critical resources

[Evaluate](#)[Buy now](#)

Notre situation

- Cluster ESXi de deux noeuds avec vRanger (Quest) comme solution de backup
- Rajout d'une machine ESXi hors cluster, mais dans le pool de sauvegarde, supportant entre autre vSphere
- Upgrade vRanger pour 6 CPU : 3000€ HT !!!
- => Paragon VM Backup Basic (6 CPU) : 500€ TTC

Paragon VM Backup

- Solution adaptée à la licence VMware généralement achetée dans les labos (3 machines, 6 CPUs)
- Très simple à mettre en oeuvre - pas d'agent nécessaire
- Tourne sous Windows (chez nous même VM que vRanger)
- Capable de faire de la restauration au niveau fichier quelque soit le type de filesystem (NTFS, EXTn, HFS+, APFS...)
- Trop simple ?



About

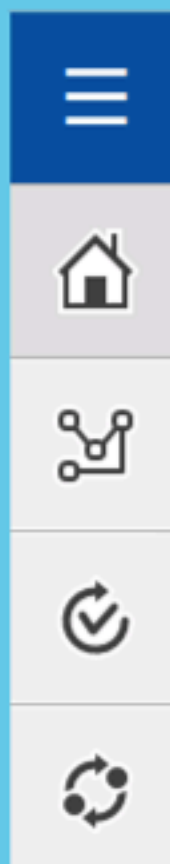


PARAGON VM Backup

Service version: 8.1.739

Console version: 8.1.4

Close



Home

Backup Jobs

[Find job]

Name	State	Last run	Next run
Backup vCenter	Finished	9/3/2020 2:00:00 AM	9/4/2020 2:00:00 A
Backup vCenter QNAP	Finished	9/2/2020 10:00:00 PM	9/3/2020 10:00:00 I
Backup vRanger	Finished	9/3/2020 3:00:00 AM	9/4/2020 3:00:00 A
Herbier	Finished	9/3/2020 12:00:00 AM	9/4/2020 12:00:00 ,
Rhizome ARN	Finished	9/2/2020 8:00:02 PM	9/3/2020 8:00:00 PI

Notifications

[Find notification]

Storages

[Find storage]

- Internal Storage at VRANGER**
6.85 TB free of 9.99 TB 350 GB used
- TimeMachine QNAP at VRANGER**
76.7 TB free of 88.5 TB 230 GB used

Virtual Infrastructure

- 10.10.1.7
10.10.1.7



New Storage



Select where you want to store the backups

Store backups on:

- Local backup drive on server
- Network path
- ESX Datastore (for replica failover)

Display name:

Use advanced settings

Next >



Environment

Storages

[Find storage]

Internal Storage at VRANGER	6.85 TB free of 9.99 TB	350 GB used
TimeMachine QNAP at VRANGER	76.7 TB free of 88.5 TB	230 GB used

Backup Agents

[Find computer]

VRANGER Online	8.1.739
Administration Server; v-Launch; Granular Recovery;	

Virtual Infrastructure

[Find computer]

10.10.1.7
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Backups

Backup Jobs

[Find job]

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Backup vCenter	Finished	9/3/2020 2:00:00 AM	9/4/2020 2:00:00 A
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Active Restore Points

[Find virtual machine]

Name	Type	Backup agent	Start time	Backu
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Restore Points

[Type name to find]

	Backup Time	Storage Name	Integrity Status	Type	Size
└─ Disk storages	8/20/2020 8:00:29 PM	Internal Storage		Full	5.31 GB
└─ Internal Storage	8/21/2020 8:00:33 PM	Internal Storage		Incremental	100 MB
└─ Backup vCe...	8/22/2020 8:00:28 PM	Internal Storage		Incremental	105 MB
└─ Herbier	8/23/2020 8:00:29 PM	Internal Storage		Incremental	106 MB
└─ Rhizome A...	8/24/2020 8:00:30 PM	Internal Storage		Incremental	98.7 MB
webapp...	8/25/2020 8:00:30 PM	Internal Storage		Incremental	102 MB
Time Machi...	8/26/2020 8:00:27 PM	Internal Storage		Full	5.37 GB
ESX storages	8/27/2020 8:00:30 PM	Internal Storage		Incremental	92.1 MB
└─ Network storages	8/28/2020 8:00:31 PM	Internal Storage		Incremental	106 MB
└─ TimeMachine...	8/29/2020 8:00:32 PM	Internal Storage		Incremental	94.5 MB
Backup vCe...	8/30/2020 8:00:32 PM	Internal Storage		Incremental	106 MB
Backup vRa...	8/31/2020 8:00:33 PM	Internal Storage		Incremental	92.1 MB
	9/1/2020 8:00:32 PM	Internal Storage		Incremental	214 MB
	9/2/2020 8:00:29 PM	Internal Storage		Full	5.46 GB

Activities

Activities

		[Find activity]
▶ Backup vCenter on VRANGER	🕒	7/1/2020 2:00:00 AM
▶ Herbier on VRANGER	🕒	7/1/2020 12:00:00 AM
▶ Time Machine on VRANGER	🕒	6/30/2020 9:00:00 PM
▶ Rhizome ARN on VRANGER	🕒	6/30/2020 8:00:00 PM
▶ Storage retention 'Generic storage 1' on VRANGER	00:30:34	🟢 6/30/2020 2:10:39 AM
▶ Backup vCenter on VRANGER	00:10:39	🟢 6/30/2020 2:00:00 AM
▶ Storage retention 'Generic storage 1' on VRANGER	00:00:02	🟢 6/30/2020 12:03:16 AM
▶ Herbier on VRANGER	00:03:16	🟢 6/30/2020 12:00:00 AM
▶ Storage retention 'Generic storage 1' on VRANGER	00:17:09	🟢 6/29/2020 9:12:43 PM
▶ Time Machine on VRANGER	00:12:43	🟢 6/29/2020 9:00:00 PM
▶ Storage retention 'Generic storage 1' on VRANGER	00:02:53	🟢 6/29/2020 8:09:48 PM

	Log time	Name
📘	6/30/2020 12:03:16 AM	RootTaskFinishedNotice
📘	6/30/2020 12:03:16 AM	BackupTaskCompleted
📘	6/30/2020 12:00:00 AM	SubmitRootTaskActivity
📘	6/30/2020 12:00:00 AM	SubmitScheduledActivity
📘	6/29/2020 12:00:00 AM	SubmitPolicyNotice

Activities

- View logs
- Collect logs
- Create report
- Reconnect to ...
- Settings
- Licensing
- Get Manual
- About

		[Find activity]
er on VRANGER	7/1/2020 2:00:00 AM	
RANGER	7/1/2020 12:00:00 AM	
e on VRANGER	6/30/2020 9:00:00 PM	
l on VRANGER	6/30/2020 8:00:00 PM	
tion 'Generic storage 1' on VRANGER	00:30:34	6/30/2020 2:10:39 AM
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VRANGER	00:00:10	6/29/2020 8:00:00 AM

Name
03:16 AM RootTaskFinishedNotice
03:16 AM BackupTaskCompleted
00:00 AM SubmitRootTaskActivity
00:00 AM SubmitScheduledActivity
6/29/2020 12:00:00 AM SubmitPolicyNotice



Settings



Backup Job

VM Backup Agents

Logging

E-mail notifications

Enable e-mail notifications

SMTP Server:

From:

Use account to connect to SMTP server:

Enable SSL security

Recipients:

Subject:

Notification firing events:

Task error Task warning Task success Storage low space



<Time Machine> Properties



Settings

ESX Agent

Schedule

Backup Type and Retention

General

Target VMs

Storages

Rules

Display name: Time Machine

Description: Backup job created by Administrator.

Save



<Time Machine> Properties



Settings

ESX Agent

Schedule

Backup Type and Retention

General

Target VMs

Storages

Rules



10.10.1.7

[Options](#)

IBMP

[Options](#)

10.10.1.6

[Options](#)

New_Time_Machine_10.15

[Options](#)

Save



<New_Time_Machine_10.15> Options



Credentials

Backup Technique

Scripts

Advanced

Inherit from parent

Disable scripting (clear on save)

Run pre-snapshot script

Empty text area for pre-snapshot script

Run post snapshot script

Empty text area for post snapshot script

Save



<Time Machine> Properties



Settings

ESX Agent

Schedule

Backup Type and Retention

General

Target VMs

Storages

Rules



[Find storage]



Generic storage 1 at VRANGER



7.16 TB free of 9.99 TB

335 GB used

Save

<Time Machine> Properties

Settings ESX Agent Schedule Backup Type and Retention

General Target VMs Storages Rules

- Update VMware notes
- Update VMware attributes
- Skip independent disks
- Automatically disable scheduled backup jobs in case of failure

Advanced read transport mode:
Auto (Advanced or Network)

Advanced write transport mode:
Auto (Advanced or Network)

Use VMware storage policy to exclude disks:
Disque RDM

Save



<Time Machine> Properties



General

Target VMs

Storages

Rules

Settings

ESX Agent

Schedule

Backup Type and Retention

Concurrent VMs per job:

Use global setting

Unlimited

Maximum

Save



<Time Machine> Properties



General

Target VMs

Storages

Rules

Settings

ESX Agent

Schedule

Backup Type and Retention

Automatic selection

Use agent on:



VRANGER Online

8.1.739 ^

Administration Server; v-Launch; Granular Recovery;

Save



<Time Machine> Properties



General

Target VMs

Storages

Rules

Settings

ESX Agent

Schedule

Backup Type and Retention

- Never
- Once
- Minutely
- Hourly
- Daily
- Weekly

Every day(s)

Start at:

Exclude time periods:

Add Exclusion

Repeat:

From:

To:

Save



<Time Machine> Properties



General

Target VMs

Storages

Rules

Settings

ESX Agent

Schedule

Backup Type and Retention

Backup type settings:

- Only the first backup is full
- Force full backup every backups

Retention settings:

- Don't delete backup files
- Keep backup files for at least
- Delete, if a VM backup size is more than
- Maximum number of restore points

Save

Backups

Backup Jobs

[Find job]

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└─ ESX storages	8/27/2020 8:00:30 PM	Internal Storage		Incremental	92.1 MB
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	9/1/2020 8:00:32 PM	Internal Storage		Incremental	214 MB
	9/2/2020 8:00:29 PM	Internal Storage		Full	5.46 GB



Backups



Backup Jobs

[Find job]

Name	State	Last run	Next run	Cr
Backup vCenter	Finished	7/8/2020 2:00:00 AM	7/9/2020 2:00:00 AM	5/
Herbier	Finished	7/8/2020 12:00:00 AM	7/9/2020 12:00:00 AM	8/
Rhizome ARN	Finished	7/7/2020 8:00:00 PM	7/8/2020 8:00:00 PM	1/
Time Machine	Finished	7/7/2020 9:00:00 PM	7/8/2020 9:00:00 PM	5/

Active Restore Points

[Find virtual machine]

Name	Type	Backup agent	Start time	Backu
------	------	--------------	------------	-------

Restore Points

[Type name to find]

	Backup Time	Storage Name	Integrity Status	Type	Size
Disk storages	6/24/2020 8:00:28 PM	Generic storag...		Full	4.96 GB
Generic storag...	6/25/2020 8:00:31 PM	Generic storag...		Incremental	100 MB
Backup vCe...	6/26/2020 8:00:31 PM	Generic storag...		Incremental	117 MB
Herbier	6/27/2020 8:00:31 PM	Generic storag...		Incremental	90.2 MB
Rhizome A...	6/28/2020 8:00:30 PM	Generic storag...		Incremental	105 MB
w				Incremental	91.8 MB
Time				Incremental	106 MB
ESX storages				Full	4.98 GB
Network sto				Incremental	101 MB
				Incremental	105 MB
				Incremental	94.8 MB
				Incremental	104 MB
	7/6/2020 8:00:30 PM	Generic storag...		Incremental	97.1 MB
	7/7/2020 8:00:31 PM	Generic storag...		Incremental	103 MB

- Run restore
- Run VM from the restore point
- Restore individual files
- Export disks
- Validate the integrity of the restore point
- Delete



File Extraction Wizard



Select the files you want to extract



- Local disk (volume 0)
- Local disk (volume root)
 - boot
 - dev
 - etc
 - .java
 - abrt
 - plugins
 - CCpp.conf
 - oops.conf
 - nvthon.conf

Next >



File Extraction Wizard



Select the files you want to extract

[Find files]



- ▶ Local disk (EFI)
- ▶ Local disk (System 10.14.6 - Données)
 - ▶ .fseventsd
 - ▶ .PKInstallSandboxManager-SystemSoftware
 - ▶ .Spotlight-V100
 - ▶ .TemporaryItems
 - ▶ .Trashes
 - ▶ .vol
- ▶ Applications
 - ▶ Carbon Copy Cloner.app
 - ▶ Safari.app

Next >



Backups

Backup Jobs

[Find job]

Name	State	Last run
Backup vCenter	Finished	9/3/2023
Backup vCenter QNAP	Finished	9/2/2023
Backup vRanger	Finished	9/3/2023
Herbier	Finished	9/3/2023
Rhizome ARN	Finished	9/2/2023

Restore Points

[Type name to find]

Integrity Status	Type	Size
	Full	5.31 GB
	Incremental	100 MB
	Incremental	105 MB
	Incremental	106 MB
	Incremental	98.7 MB
	Incremental	102 MB
	Full	5.37 GB
	Incremental	92.1 MB
	Incremental	106 MB
	Incremental	94.5 MB
	Incremental	106 MB
	Incremental	92.1 MB
	Incremental	214 MB
	Full	5.46 GB

Export disks

Select the resulting disks type

Specify disk type and format:

- VMWare (.vmdk) virtual disk split into 2GB growable extents
- VMWare (.vmdk) preallocated virtual disk split into 2GB extents
- Microsoft Virtual PC (.vhd) growable virtual disk
- Microsoft Virtual PC (.vhd) preallocated virtual disk
- Microsoft Hyper-V (.vhdx) virtual disk

Next >

Active Restore Points

🔒 🔴

Name	Type	Back
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Features

Supported VMware platforms

- VMware® vSphere® 4.0, 4.1, 5.0, 5.1, 5.5, 6.5
- VMware ESX® or VMware ESXi™ 4.x, 5.x, 6.x

Note 1: VMware ESX free versions are not supported.

VM backup

- Batch processing, including cross-host
 - Backup scheduling and retention
 - Configurable job concurrency and VMware transport mode
 - Supported VM quiescing, VMware notes and attributes
 - Processing options: raw copy, pure CBT, intelligent CBT, Paragon ITE
 - Pre- and post snapshot scripting (cmd, bat, js, vbs)
 - Storage: local disk, network share, ESX datastore
 - Supported VMware storage policies
 - Integrity check
-

VM restore

- Restore points according to RPO and retention policy
- Batch processing, including cross-host
- Overwrite original VM
- Restore to new VM
- VM UUID management

v-Launch

- Run VM directly from a replica on local or shared storage
- Configurable network support

Granular restore

- Files and folders
- Microsoft Active Directory objects
- Microsoft Exchange objects
- Built-in Object Explorer with search and filtering
- Offline and online restore

Note: VM Backup Console should be installed on the machine to which the local storage is attached.

Replica failover

- Virtualize and run a replica from the ESX datastore
- Overwrite the original VM
- Start a new VM
- Configurable network support
- Production and test modes

Monitoring and troubleshooting

- Session notifications
- Activities history with filters and search
- Activities drill-down
- Logging policies
- Log collection and consolidation