

## Sommaire :

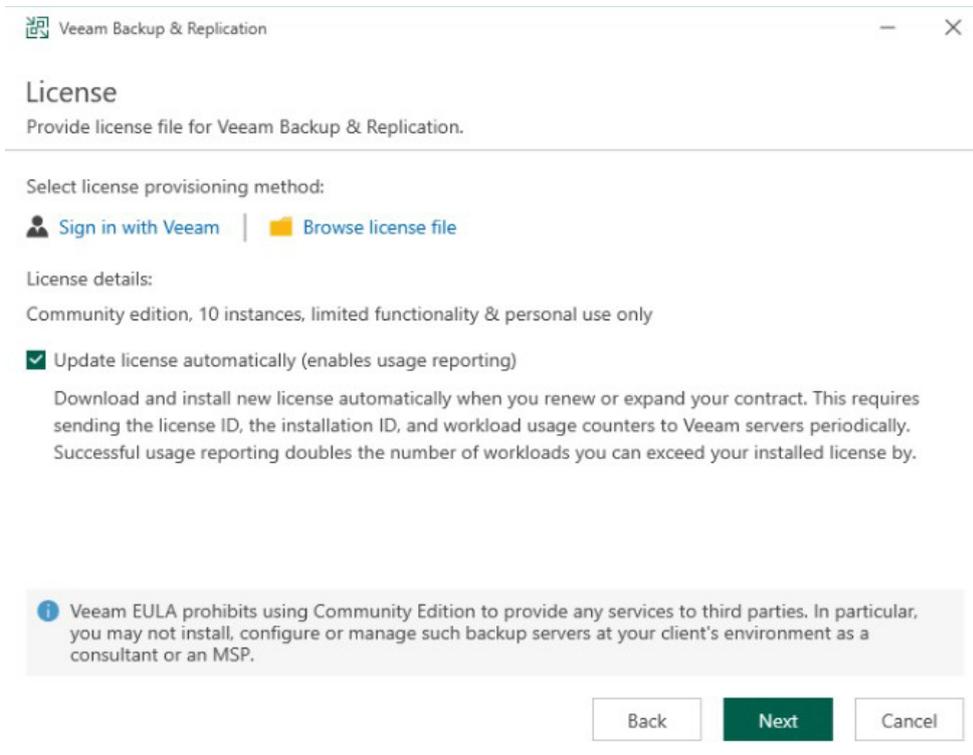
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## Mise en situation :

Dans le cadre du projet AP4, l'équipe projet de l'entreprise Assurmer est chargée de choisir, tester et installer une nouvelle solution de sauvegarde de données. Pour cela, chaque membre de l'équipe doit rechercher et proposer une solution, puis la présenter en détaillant ses fonctionnalités, sa configuration et ses avantages. Ensuite, les solutions proposées seront testées individuellement, et les membres du groupe diagnostiqueront personnellement chaque outil pour en évaluer les avantages et les inconvénients. Suite à ces évaluations, une solution sera choisie collectivement et installée sur chaque poste de l'équipe. Un jeu d'essais devra également être créé pour démontrer la fonctionnalité de la sauvegarde, comprenant la création de données fictives et leur sauvegarde, ainsi que la réalisation de tests de sauvegarde. Enfin, toutes les réalisations seront documentées et présentées à la DSI pour justification du choix de la solution retenue.

## 4/ Installation de VEEAM :

(Montez le .iso téléchargé pour « VEEAM backup & replication » et lancer le .exe d'installation)



Veeam Backup & Replication

### License

Provide license file for Veeam Backup & Replication.

Select license provisioning method:

 Sign in with Veeam |  Browse license file

License details:

Community edition, 10 instances, limited functionality & personal use only

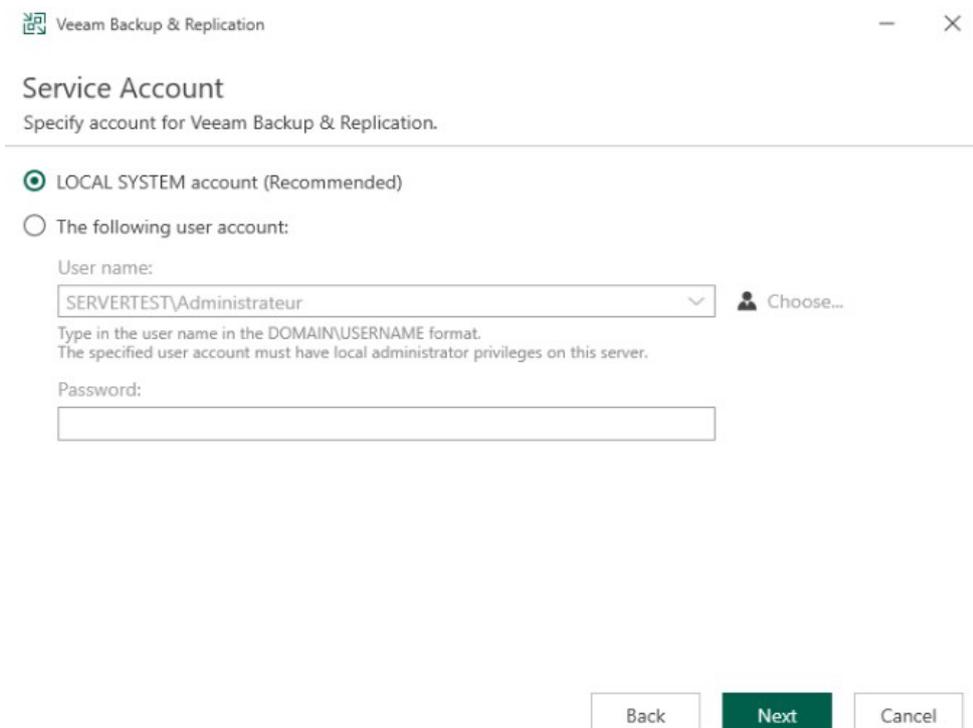
Update license automatically (enables usage reporting)

Download and install new license automatically when you renew or expand your contract. This requires sending the license ID, the installation ID, and workload usage counters to Veeam servers periodically. Successful usage reporting doubles the number of workloads you can exceed your installed license by.

 Veeam EULA prohibits using Community Edition to provide any services to third parties. In particular, you may not install, configure or manage such backup servers at your client's environment as a consultant or an MSP.

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Faite « next »



Veeam Backup & Replication

### Service Account

Specify account for Veeam Backup & Replication.

LOCAL SYSTEM account (Recommended)

The following user account:

User name:

 Choose...

Type in the user name in the DOMAIN\USERNAME format.  
The specified user account must have local administrator privileges on this server.

Password:

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Faite « next » sans rien modifier j'jusqu'à « install » et cliquez dessus

Veeam Backup & Replication

## Database

Choose a database engine and an instance for Veeam Backup & Replication configuration data.

Use following database engine: PostgreSQL

Install new instance

Use existing instance (HOSTNAME:PORT)

ServerTest:5432

Database name: VeeamBackup

Connect to PostgreSQL server using:

Windows authentication credentials of the backup service account

Native authentication with the following credentials:

Username: postgres

Password:

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Veeam Backup & Replication

## Data Locations

Specify paths for persistent and non-persistent data storage locations.

Installation path:

C:\Program Files\Veeam\Backup and Replication

Disk space: 11,89 GB available, 10,9 GB required

Guest file system catalog:

C:\VBRCatalog

Instant recovery write cache:

C:\ProgramData\Veeam\Backup\IRCache

1 Ensure that the selected volume has sufficient free disk space to store changed disk blocks of instantly recovered VMs, otherwise VMs will stop due to being unable to perform a disk write. We recommend placing the write cache on an SSD drive.

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## Port Configuration

Specify port configuration to be used by Veeam Backup & Replication.

Catalog service port:

Veeam Backup service port:

Secure connections port:

REST API service port:

## Ready to Install

The wizard is ready to begin the Installation.

|                          |                                     |
|--------------------------|-------------------------------------|
| Installation folder:     | E:\veeam                            |
| vPower cache folder:     | E:\ProgramData\Veeam\Backup\IRCache |
| Guest catalog folder:    | E:\VBRCatalog                       |
| Service account:         | LOCAL SYSTEM                        |
| Database engine:         | PostgreSQL                          |
| SQL server:              | ServerTest:5432                     |
| Database name:           | VeeamBackup                         |
| Catalog service port:    | 9393                                |
| Service port:            | 9392                                |
| Secure connections port: | 9401                                |
| REST API service port:   | 9419                                |

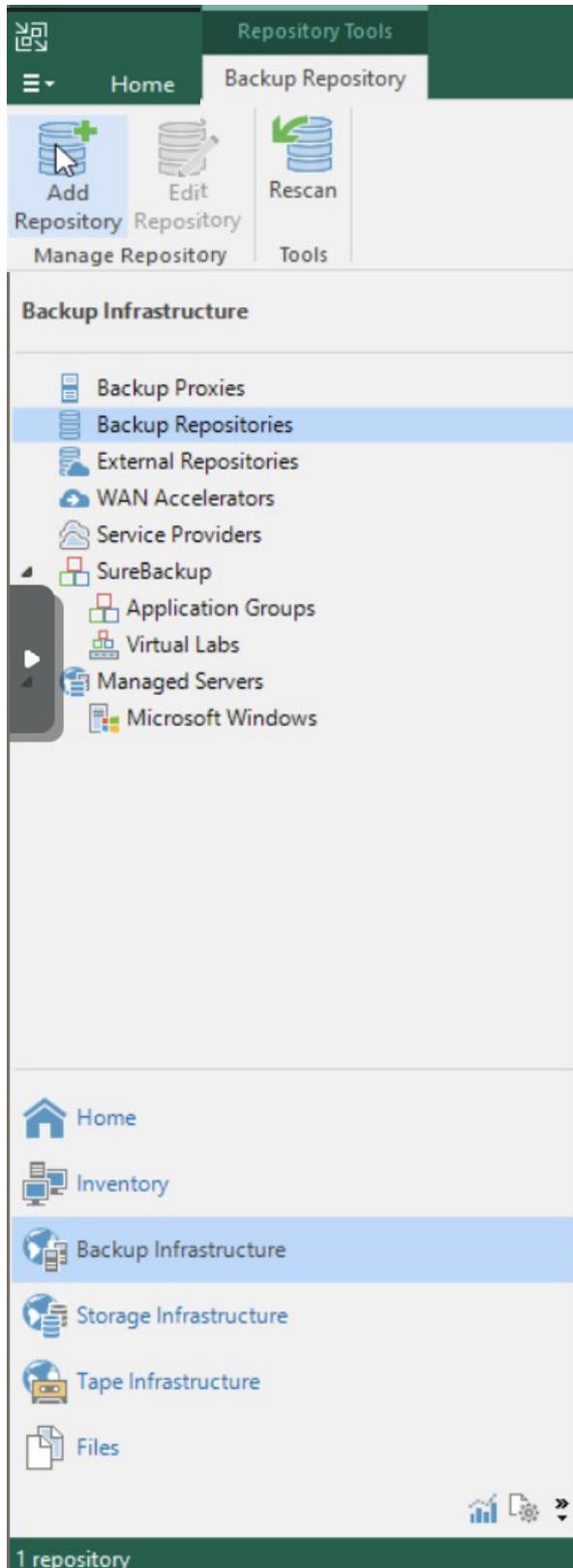
Check for product updates automatically

Une fois ces étapes d'installation effectuées, un raccourci « VEEAM backup & replication console » sera créé sur le bureau.



Ajoutons un répertoire de sauvegarde :

Dans le volet de gauche dans la console, sélectionnez « backup infrastructure » et ajoutez un répertoire :



Sélectionnez où vous souhaitez que les sauvegardes soit effectué :

### Add Backup Repository



Select the type of backup repository you want to add.



#### Direct attached storage

Microsoft Windows or Linux server with internal or direct attached storage. This configuration enables data movers to run directly on the server, allowing for fastest performance.



#### Network attached storage

Network share on a file server or a NAS device. When backing up to a remote share, we recommend that you select a gateway server located in the same site with the share.



#### Deduplicating storage appliance

Dell Data Domain, ExaGrid, Fujitsu ETERNUS CS800, HPE StoreOnce, Infinidat InfiniGuard or Quantum DXi. If you are unable to meet the requirements of advanced integration via native appliance API, use the network attached storage option instead.



#### Object storage

On-prem object storage system or a cloud object storage provider.



Cancel



### Network Attached Storage



Select the type of a shared folder you want to use as a backup repository.



#### NFS share

Adds an NFS share. This is the recommended configuration for leveraging storage capacity provided by NAS devices.



#### SMB share

Adds an SMB (CIFS) share. For reliability reasons, this configuration is recommended for continuously available (CA) network shares only.

Cancel

Entrez le chemin du partage ou du DAS sur lequel vous souhaitez sauvegarder. Ainsi que les identifiants pour se connecter si nécessaire :

New Backup Repository ×

 **Share**  
Type in UNC path to share (mapped drives are not supported), specify share access credentials and how backup jobs should write data to this share.

|              |   |
|--------------|---|
| Name         | Shared folder:<br><input type="text" value="\\192.168.1.254\Disque dur"/> <span>Browse...</span>                                    |
| Share        | Use \\server\folder format  |
| Repository   | <input checked="" type="checkbox"/> This share requires access credentials:   |
| Mount Server | <input type="text" value="admin (admin, last edited: less than a day ago)"/> <span>Add...</span><br><a href="#">Manage accounts</a> |
| Review       | Gateway server:<br><input type="text" value="Automatic selection"/> <span>Choose...</span>  |
| Apply        |   |
| Summary      |   |

< Previous Next > Finish Cancel

Vérifiez si les informations son bonne et faites next :

New Backup Repository ×

 **Repository**  
Type in path to the folder where backup files should be stored, and set repository load control options.

|              |   |
|--------------|---|
| Name         | Location<br>Path to folder:<br><input type="text" value="\\192.168.1.254\Disque dur"/> <span>Populate</span>  |
| Share        |  Capacity: 228,1 GB<br> Free space: 134,5 GB  |
| Repository   | Load control<br>Running too many concurrent tasks against the repository may reduce overall performance, and cause I/O timeouts. Control storage device saturation with the following settings:<br><input checked="" type="checkbox"/> Limit maximum concurrent tasks to: <input type="text" value="4"/><br><input type="checkbox"/> Limit read and write data rate to: <input type="text" value="1"/> MB/s |
| Mount Server |   |
| Review       |   |
| Apply        |   |
| Summary      |   |

Click Advanced to customize repository settings. Advanced...

< Previous Next > Finish Cancel

New Backup Repository



**Apply**

Please wait while backup repository is created and saved in configuration, this may take a few minutes.

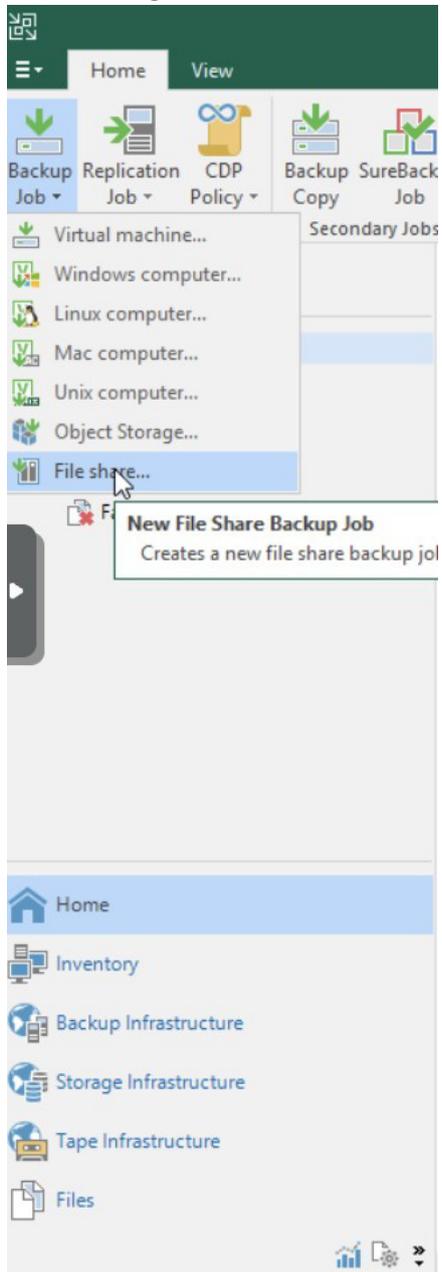
- Name
- Share
- Repository
- Mount Server
- Review
- Apply**
- Summary

| Message  | Duration |
|--|----------|
| ✔ Starting infrastructure item update process            | 0:00:07  |
| ✔ [ServerTest] Discovering installed packages            | 0:00:01  |
| ✔ Registering client ServerTest for package Transport    |          |
| ✔ Registering client ServerTest for package vPower NFS   |          |
| ✔ Registering client ServerTest for package Mount Server |          |
| ✔ Discovering installed packages                         |          |
| ✔ All required packages have been successfully installed |          |
| ✔ Detecting server configuration                         |          |
| 🔄 Reconfiguring vPower NFS service                       | 0:00:01  |
|  |          |
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|  |          |
|  |          |

< Previous    Next >    Finish    Cancel

Une fois le répertoire créé, nous pouvons créer des tâches de sauvegarde manuelle ou automatisé vers ce répertoire.

Dans l'onglet de droite, dans l'accueil :



Donnez un nom à votre sauvegarde :

New File Backup Job

**Name**  
Type in name and description for this job.

**Name**

Objects

Backup Repository

Archive Repository

Schedule

Summary

Name:

Sauvegarde vers NAS

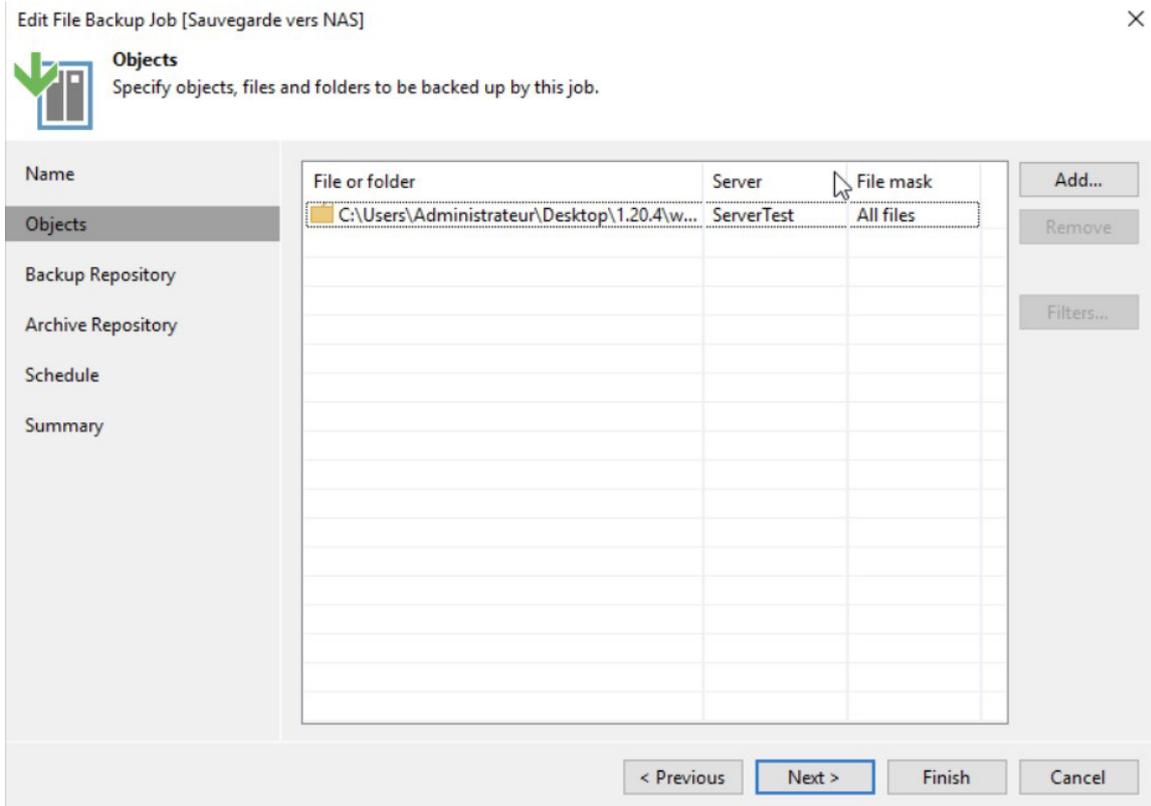
Description:

Created by SERVESTEST\Administrateur at 02/04/2024 11:35.

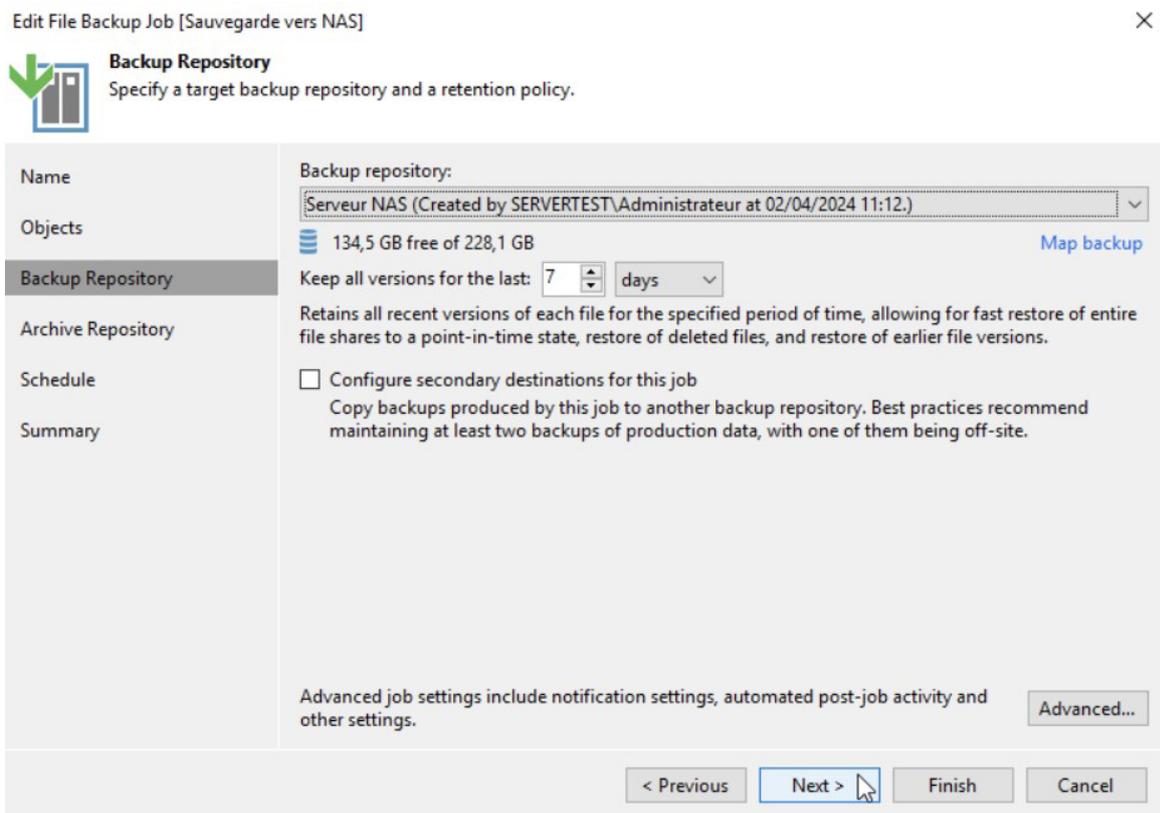
High priority  
Backup infrastructure resources are offered to high priority jobs first. Use this option for jobs sensitive to the start time, or jobs with strict RPO requirements.

< Previous   **Next >**   Finish   Cancel

Faite suivant :



Choisissez le repository où vous voulez sauvegarder vos données :



Faite « Apply » et vérifiez si à l'heure renseigné l'exécution de la sauvegarde se fait bien :

Edit File Backup Job [Sauvegarde vers NAS] ×

 **Schedule**  
Specify the job scheduling options. If you do not set the schedule, the job will need to be controlled manually.

|                    |   |
|--------------------|---|
| Name               | <input checked="" type="checkbox"/> Run the job automatically   |
| Objects            | <input checked="" type="radio"/> Daily at this time: 02:00 <input type="radio"/> Monthly at this time: 22:00 <input type="radio"/> Periodically every: 1 <input type="radio"/> After this job:  |
| Backup Repository  | Everyday <input type="radio"/> Fourth <input type="radio"/> samedi <input type="radio"/> Hours <input type="radio"/> Days... <input type="radio"/> Months... <input type="radio"/> Schedule...  |
| Archive Repository |   |
| <b>Schedule</b>    | <b>Automatic retry</b><br><input checked="" type="checkbox"/> Retry failed items processing: 3 times<br>Wait before each retry attempt for: 10 minutes  |
| Summary            | <b>Backup window</b><br><input type="checkbox"/> Terminate job outside of the backup window <input type="button" value="Window..."/><br>Prevent long-running or accidentally started job from impacting your production infrastructure during the busy hours. |