# VMware ESXi Backup Guide

This guide will walk you through the steps required to back up your VMware ESXi environment. Follow each step carefully to ensure your backup set is properly configured and ready to protect your critical virtual machines. For the restore guide please see from page 8 below.

Step-by-Step Instructions
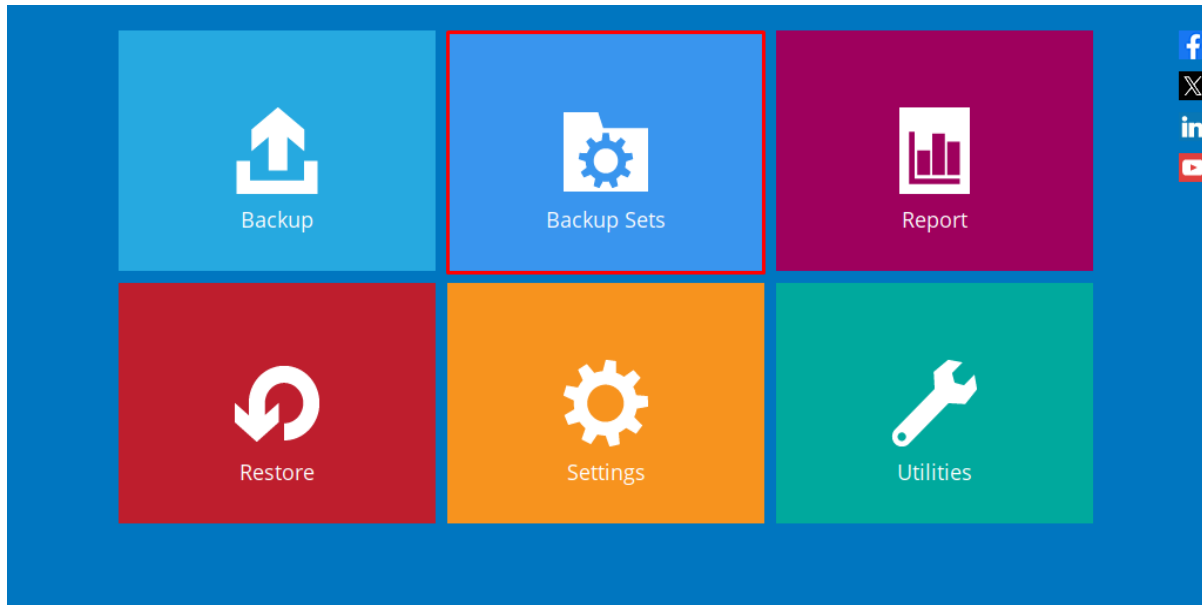
1. Launch the **Program**

2. Log In

Enter your login credentials (username and password) to access the dashboard.
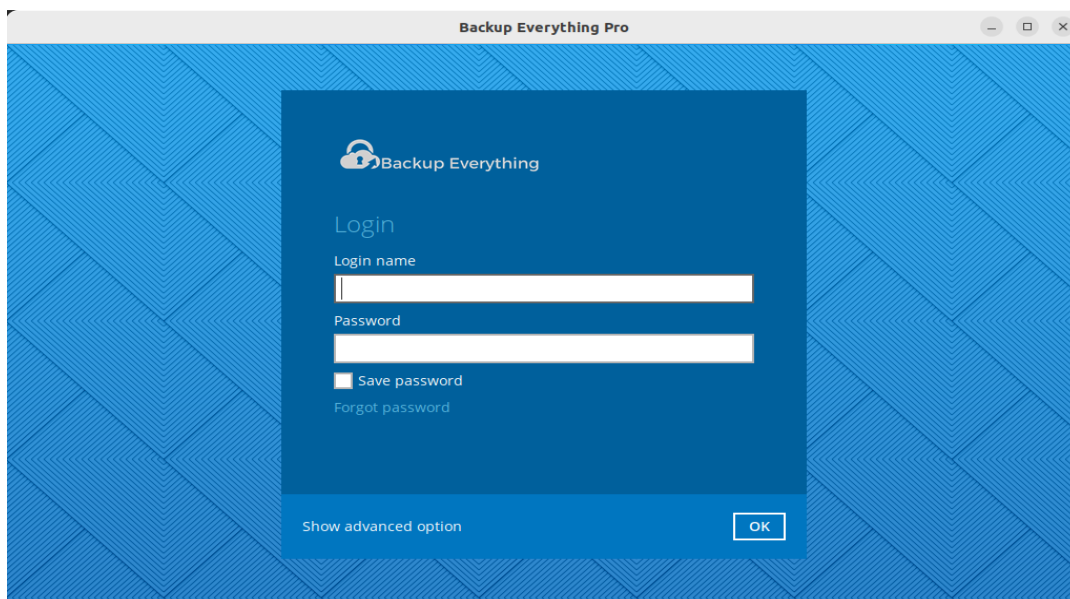
3. Navigate to the Backup Sets Option

Once logged in, click on the **"Backup Sets"** option in the menu to create or manage your backup sets.

4. Configure New Backup Set

- Rename the backup set to something meaningful for easy identification.
- Set the **Backup Set Type** to **VMware Backup**.
- Choose **VMware ESXi** as the backup type.
- Enter the **ESXi host** details:
    - **Username and Password** for the ESXi host
    - **Host IP/Domain Name**
    - **Port** (default 443)
    - **SSH Port** (default 22)
- Click **Next** to continue.

Create Backup Set

Name

Vmware Esxi

Backup set type

VMware Backup ⌄

Version

VMware ESXi 5.5 / 6 / 6.5 / 6.7 / 7.0 / 8.0 ⌄

Username

root

Password

••••••

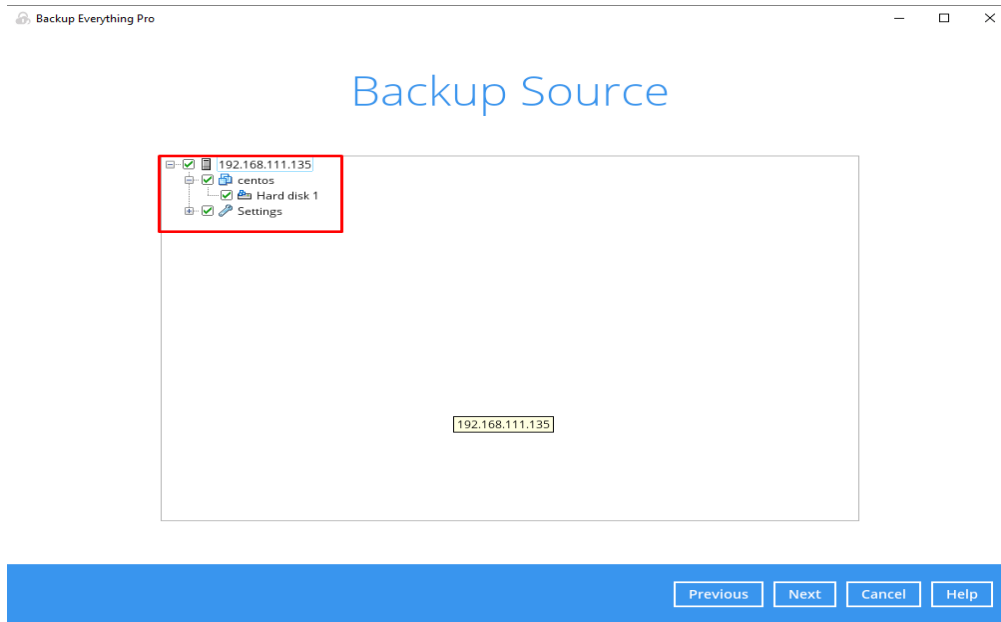Host   Port

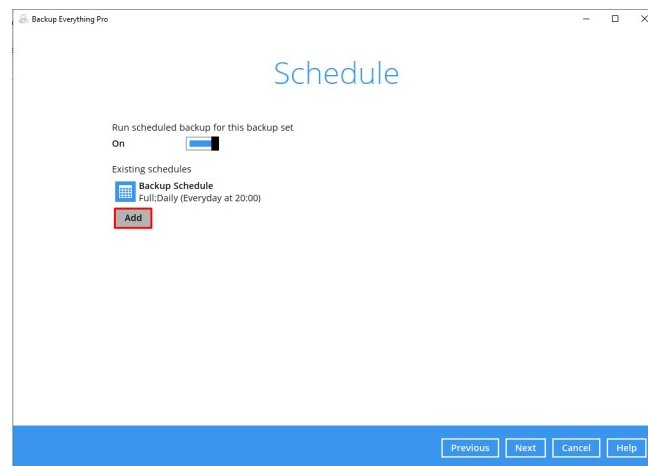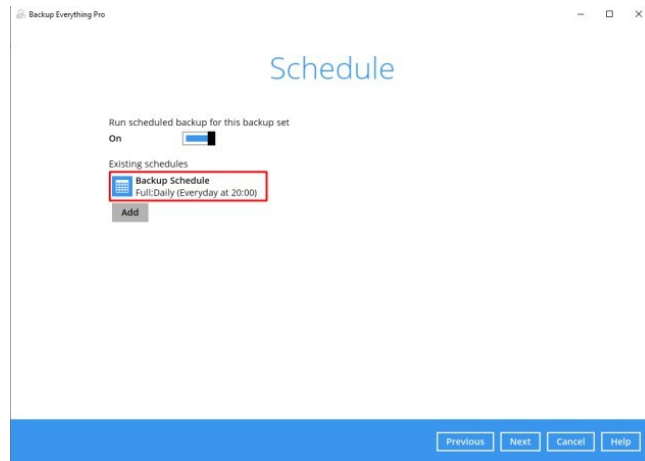192.168.111.135   443

SSH Port

22

| Next | Cancel | Help |

5. Select Backup Source

Choose the virtual machines or files/folders on the VMware ESXi server that you want to include in the backup.

Backup Everything Pro

Backup Source

☐ ☑ 192.168.111.135
  ☐ ☑ centos
      ☑ Hard disk 1
  ☐ ☑ Settings

192.168.111.135

| Previous | Next | Cancel | Help |

6. Set Schedule

- Add a custom backup schedule as per your business needs, or
- Use the default schedule provided by the software.

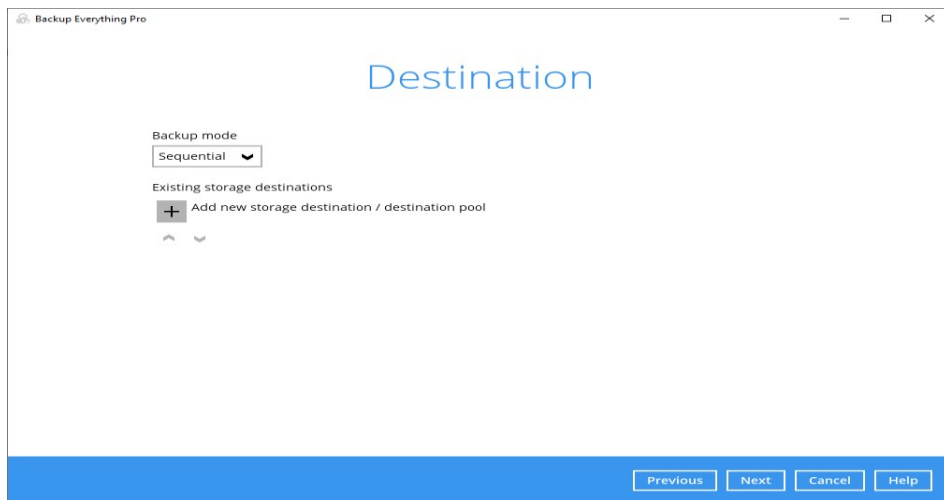### 7. Choose Backup Destination

- Select either **Cloud** and/or **Local** storage as your backup destination.

Important: Please ensure the **"Run Direct"** box is **not ticked**.
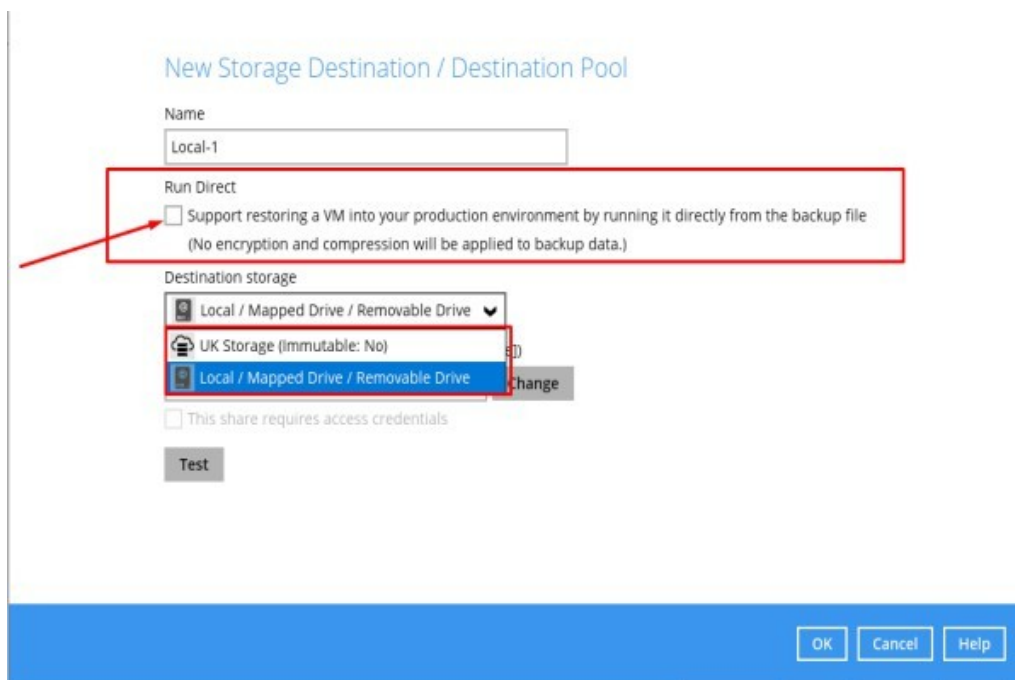
Step 8: Granular Restore

Leave the Granular Restore option **off**
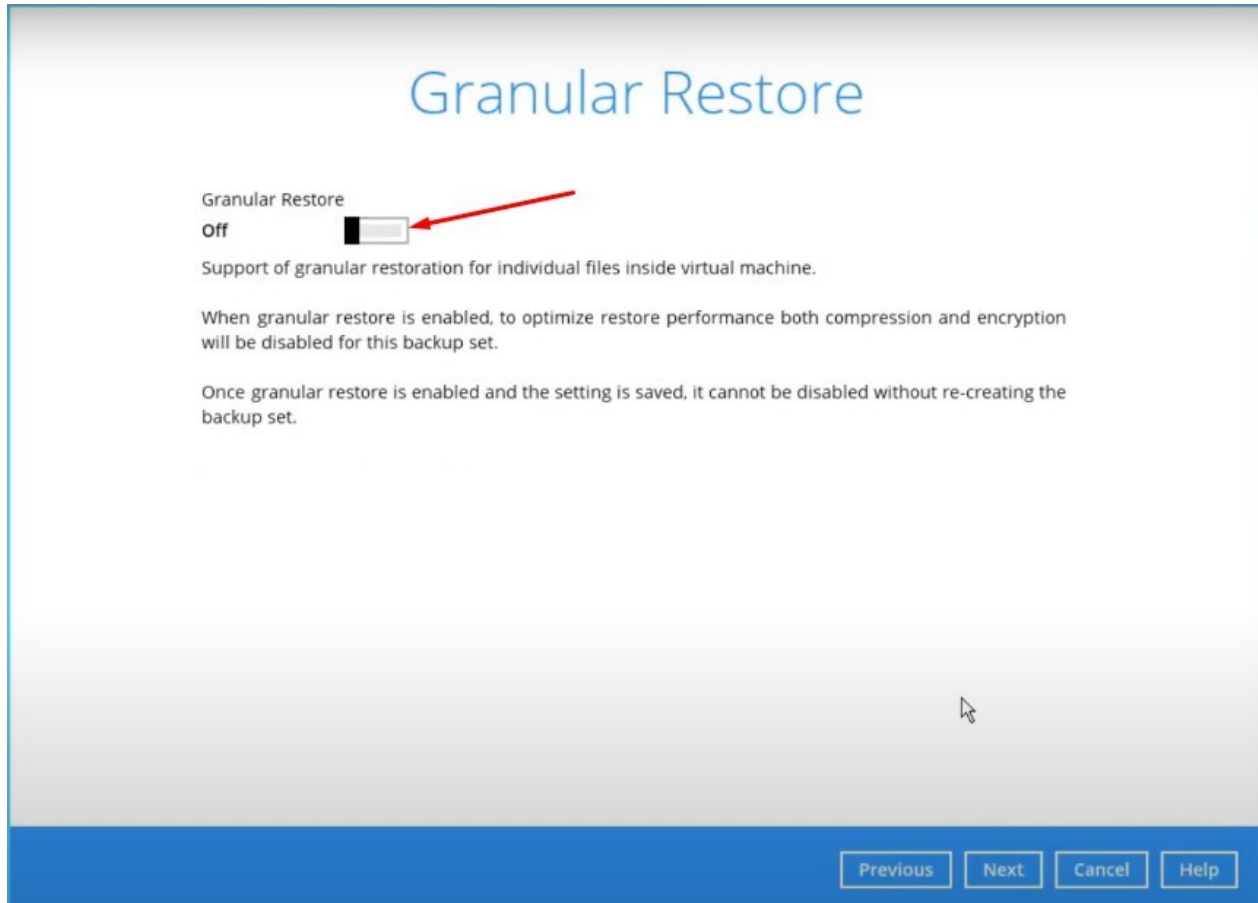
9. Configure Encryption

- Choose your encryption option:
    - Use your **Login Password**, or
    - Specify a **Custom Encryption Key** if desired.

10. Complete Setup

- The software will confirm the message **"Backup Set Successfully Created."**
- You will now see an option to **Backup Now** in the popup. Click it to start the backup immediately, or
- Allow the backup to run according to the schedule.

Congratulations!

"Vmware Esxi" is successfully created.

Backup now   Close
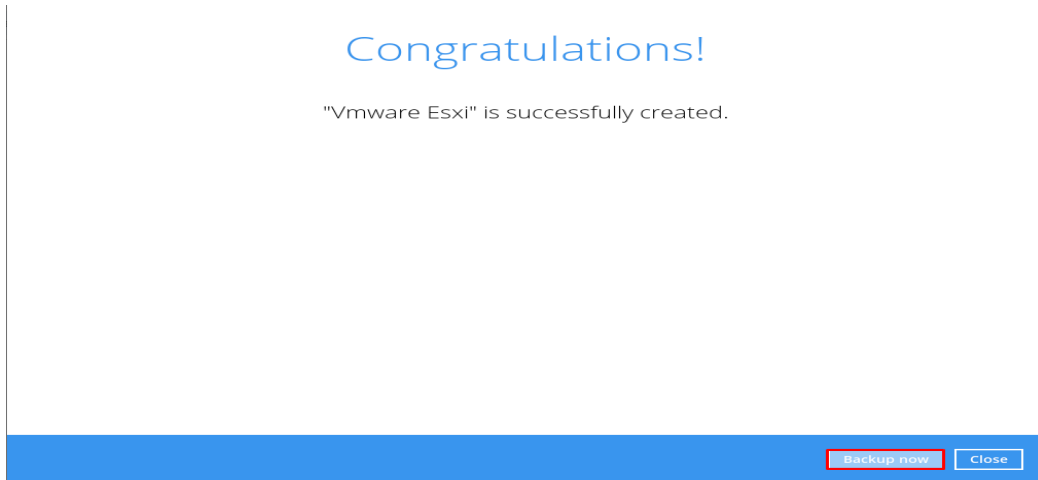


Important Note on Quotas and Deployment Strategy

**"You can install the backup software on any machine within your network to backup the whole machine(s). This machine will then be responsible for backing up other machines using the VMware backup set. Just ensure the machine has enough resources and is the most powerful on the network.

To achieve granular backups, install the backup software on each individual VMware machine and create a file backup set for each. You could add the network address for the other machines to achieve granular without installing on each machine; however, to note—**VSS is not supported over the network** for open file backups."**

VMware ESXi Restore Guide

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1. Click on "Restore"

From the main menu, select the Restore option to begin the restoration process.

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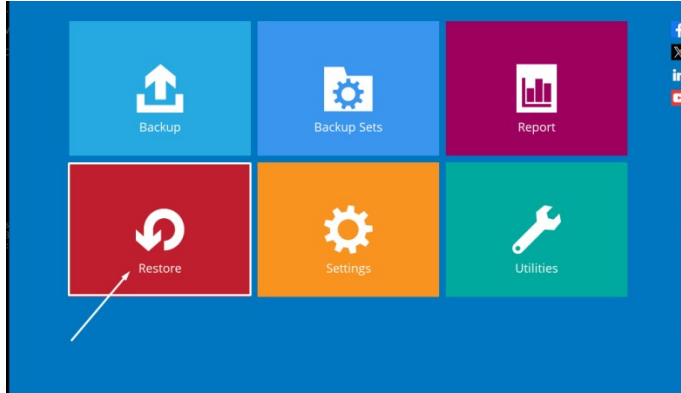
2. Select the VMware ESXi Backup Set

Choose the backup set labeled vmware_esxi from the list.

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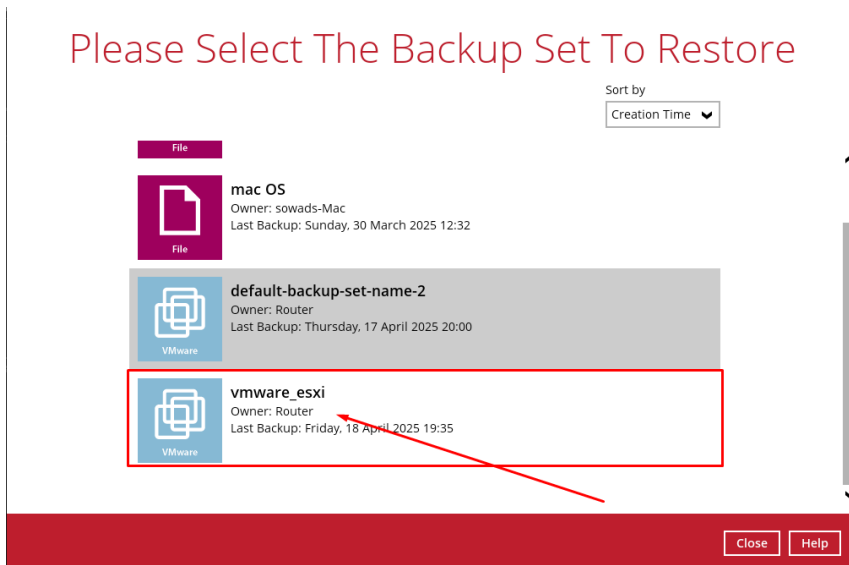
3. Select Source & Temporary Directory

Under "Select From Where To Restore", choose UK Storage (Immutable: No).
Specify a temporary directory for storing restore files (e.g., `C:\Users\cypter\temp`).

4. Select Virtual Machine to Restore

What this does:

This restores the **entire virtual machine** (OS, applications, data, and settings) to your VMware ESXi host.

How to proceed:

1. Navigate to your ESXi host (e.g., `192.168.111.135` > `Centos`).

2. Select the VM components you want to restore:

o **Configuration files** (e.g., `centos.vmx`, `centos.vmsd`)

o **Virtual disks** (e.g., `Hard disk 1` - contains the OS and all data)

Note:

- This is a **full VM restore** – you cannot pick individual files inside the VM (like `C:\file.txt`).

- After restore, verify VMware Tools (for Windows/Linux VMs) for optimal performance.
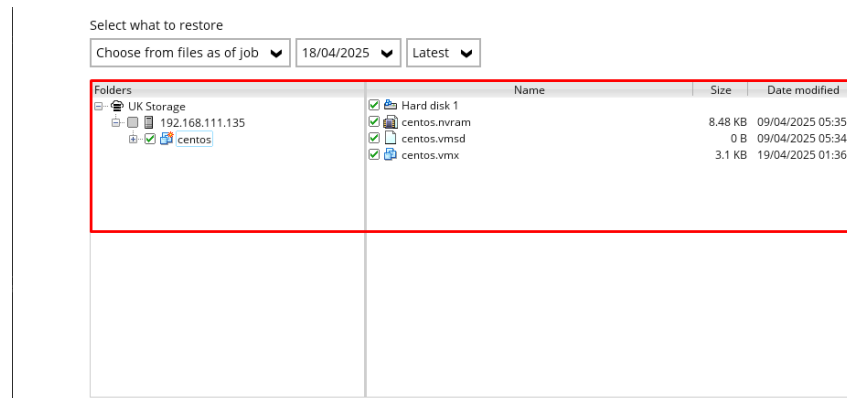
5. Select Restore Location

Choose between:
Original location (default).- Puts the VM back exactly where it was before.

Alternate location (requires specifying VMware host details).- Lets you restore to a different ESXi host or datastore (useful for testing or migration)

If using Alternate Location, provide:
VMware host IP (e.g., `192.168.111.135`), credentials (`root`), and port (`443`).
Inventory details (e.g., datastore: `datastore1`).

Alternate location

VMware Host

Version
VMware ESXi 5.5 / 6 / 6.5 / 6.7 / 7.0 / 8.0

Username
root

Password
••••••

Host	Port
192.168.111.135	443

SSH Port
22

Restore virtual machines to
◉ Original location
○ Alternate location

☑ Verify checksum of in-file delta files during restore

Hide advanced option

Alternate location

VMware ESXi 6.5.0 build-5969303@192.168.111.135:443

Name
New Virtual Machine

Inventory Location
192.168.111.135   Browse

Host/Cluster
192.168.111.135   Browse

Resource Pool
192.168.111.135   Browse

Storage
datastore1   Browse

6. Start Restore

Click Restore to begin the process.
Monitor progress, including:

Restore

vmware_esxi

UK Storage (Immutable: No)
Start [Backup Everything Pro v9.11.6.0]
Estimated time left   -
Restored   0B (0 file)
Elapsed time   0 sec
Transfer rate   0bit/s

vmware_esxi

UK Storage (Immutable: No)
Restore Completed Successfully
Estimated time left   0 sec
Restored   16.00 GB (4 files)
Elapsed time   2 min 7 sec
Transfer rate   1.12Gbit/s