

# How to Backup Finmars

- [Doing VM Backup in AWS](#)
- [Restore VM backup in AWS](#)

# Doing VM Backup in AWS

Here is guide to automate backups of your **finmars-platform-vm**, including both its EC2 settings (AMI) and its disk (EBS volumes), all in one place:

## 1. Sign in to AWS

- Open your browser and go to [console.aws.amazon.com](https://console.aws.amazon.com).
- Enter your AWS username and password.

## 2. Open AWS Backup

- In the top search box, type **Backup**.
- Click **AWS Backup** when it appears.

## 3. Create a new backup plan

1. In the left menu, click **Backup plans**.
2. Click **Create backup plan**.
3. Choose **Build a new plan**.
4. Give the plan a name, for example **finmars-daily**.
5. Under **Backup rule**, set:
  - **Frequency**: Daily
  - **Time**: 01:00
  - **Retention**: e.g. keep for 7 days
6. Click **Create plan**.

## 4. Edit the rule to back up both EC2 and EBS

1. Under your new plan, find the **Backup rule** you just made.
2. Click the three-dot menu next to it and choose **Edit rule**.
3. Scroll to **Resource selection**.
4. For **Resource type**, pick **Amazon EC2**.
  - This makes AWS Backup create an AMI of your instance.
5. Click **Add another resource type**.
6. Pick **Amazon EBS**.
  - This makes AWS Backup snapshot your volumes.
7. Click **Update rule**.

## 5. Assign your VM and its volumes

1. In your plan, click **Assign resources**.
2. Give the assignment a name, like **finmars-vm-and-volumes**.
3. Under **Select resource IDs**, choose:
  - Your **finmars-platform-vm** instance ID
  - The IDs of its EBS volumes (usually listed under the instance)
4. Click **Assign backup**.

## 6. Check your automated backups

- In the left menu, click **Backup vaults** to see where backups are stored.
- Click **Protected resources** to confirm your VM and volumes are listed.

## 7. Change or stop the plan

- To change schedule or retention, go to **Backup plans**, select **finmars-daily**, then edit the rule.
  - To stop backups, select the plan and click **Delete**.
- 

Now AWS Backup will run every day at 01:00. It will:

- **Create an AMI** of your EC2 instance (so you can launch a new server with all settings intact)
- **Snapshot your EBS volumes** (so your data and files are safe)

# Restore VM backup in AWS

Here is guide to restore your **finmars-platform-vm** from an AWS Backup AMI. We skip the EBS volume step:

1. **Sign in and open AWS Backup**
  - Go to `console.aws.amazon.com` and log in.
  - In the top search box, type **Backup** and click **AWS Backup**.
2. **Go to your backup vault**
  - In the left menu, click **Backup vaults**.
  - Click the vault you used for **finmars-daily** (often **default**).
3. **Find the right recovery point**
  - You'll see a list of **Recovery points** (one per day).
  - Pick the date you want to restore from.
4. **Restore the EC2 instance (AMI)**
  1. Click the recovery point whose **Resource type** is **Amazon EC2**.
  2. Click **Actions** → **Restore**.
  3. For **Restore as**, choose **Amazon EC2**.
  4. Give the new instance a name, e.g. **finmars-platform-vm-restored**.
  5. Pick the same **Instance type** (t3.xlarge).
  6. Choose the same **VPC** and **Subnet**.
  7. Enable **Auto-assign Public IP** if you want it.
  8. Click **Restore**.
5. **Verify your restore**
  - In **EC2** → **Instances**, you'll see **finmars-platform-vm-restored** launching.
  - Wait until it shows **running** and **2/2 checks passed**.
  - SSH into it to check your OS and settings.

☐☐ You've now restored your server using its AMI!