

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.
- 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**.
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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)
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Revision #2

Created 8 June 2025 18:24:01 by Sergei Zhitenev

Updated 8 June 2025 18:28:16 by Sergei Zhitenev