

Yeshwanth Chauhan

Create two machines on the same subnets with the same security groups and create an EFS and then log in to one of the instances and then put the sudo command to it and attach the volume to it but before that make a folder (mkdir folder - then copy paste the sudo command and change the command ending efs with folder name) go into the folder and create a file inside the folder by (sudo touch filefromM1) now repeat the same process on the other instance and check for the file if it is showing or not

Go to on-demand backup and create an on-demand backup after the backup upload a new file in EFS and restore the backup and run ls -l in the instance and you'd see there is a new backup link copy that and add ls before it and you'd only see 2 files which were uploaded before backup-processes

The screenshot displays the AWS Management Console interface. The top navigation bar shows the user is logged in as 'Yeshwanth Chauhan' and is viewing the 'Instances' page. The left sidebar contains various navigation options like 'EC2 Dashboard', 'Instances', 'Security Groups', and 'VPC'. The main content area shows a list of EC2 instances. The instance 'i-08bec883685fa50cf' is selected, and its details are shown in the right pane. The details pane includes sections for 'Instance summary info', 'Networking', 'Storage', 'Status checks', 'Monitoring', and 'Tags'. The 'Instance summary info' section shows the instance is a 't3.micro' type, running on 'Ubuntu 22.04 LTS', and is associated with the 'default' security group. The 'Networking' section shows the instance is connected to the 'vpc-080310a70db0a6d0' VPC and the 'subnet-02710118' subnet. The 'Storage' section shows the instance is attached to the 'ami-080310a70db0a6d0' EBS volume. The 'Status checks' section shows that both system and instance status checks are passing. The 'Monitoring' section shows that CloudWatch metrics are being collected. The 'Tags' section shows that the instance has a tag with the key 'Name' and the value 'machine1'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP	IPv4 IPs	Monitoring	Security group name	Key name	Launch time
newmac1	i-0a7658b0a11035a0a	Terminated	t3.micro	No alarms	No alarms	us-east-1a	-	-	-	-	disabled	-	NEWKEYS	2023/03/15 16:15 GMT+5:30
mac2	i-0a7658b0a11035a0a	Terminated	t3.micro	No alarms	No alarms	us-east-1a	-	-	-	-	disabled	-	NEWKEYS	2023/03/15 16:15 GMT+5:30
machine1	i-08bec883685fa50cf	Running	t3.micro	2/2 checks passed	No alarms	us-east-1a	ec2-107-20-240-66.us-east-1.compute-1.amazonaws.com	107.20.240.66	-	-	disabled	default	NEWKEYS	2023/03/15 17:11 GMT+5:30
mac2	i-01170a3d37f5d0a	Running	t3.micro	2/2 checks passed	No alarms	us-east-1a	ec2-107-20-240-66.us-east-1.compute-1.amazonaws.com	107.20.240.66	-	-	disabled	default	NEWKEYS	2023/03/15 17:12 GMT+5:30

Instance: i-08bec883685fa50cf (machine1)

Instance summary info

Instance ID: i-08bec883685fa50cf (machine1)

Public IPv4 address: 107.20.240.66 (open address)

Private IPv4 address: 172.31.0.113

Public IPv4 DNS: ec2-107-20-240-66.us-east-1.compute-1.amazonaws.com (open address)

Private IP address: 172.31.0.113

Instance type: t3.micro

VPC ID: vpc-080310a70db0a6d0 (VPC1)

Subnet ID: subnet-02710118 (subnet-02710118)

Platform: Amazon Linux (Bottlerocket)

AMI name: ami-080310a70db0a6d0 (AMI1)

AMI ID: ami-080310a70db0a6d0 (AMI1)

AMI name: amazon2-ami-kernel-5.10-hvm-2.0.20230307.0-amd64-gp2

Launch time: Wed Mar 15 2023 17:11:40 GMT+05:30 (India Standard Time) (about 1 hour)

Lifecycle: normal

Key pair assigned at launch: NEWKEYS

Kernel ID: -

RAM disk ID: -

Monitoring: disabled

Termination protection: disabled

AMI location: amazon2-ami-kernel-5.10-hvm-2.0.20230307.0-amd64-gp2

Stop-terminate behavior: disabled

State transition reason: -

State transition message: -

Owner: 471963814070

[illegible]

The screenshot displays the AWS Management Console interface for the Elastic File System (EFS) service. The browser's address bar indicates the user is in the 'us-east-1' region, viewing the 'file-systems' page. The console's left-hand navigation pane shows the 'Elastic File System' section, with 'File systems' and 'Access points' as sub-sections. The main content area, titled 'File systems (1)', features a search bar and a table listing the available file systems. A single file system is listed with the following details: Name 'efs-fs-06b8ba70100330a9', File system ID 'fs-06b8ba70100330a9', Encrypted status 'Encrypted', Total size '24.00 KiB', Size in Standard / One Zone '24.00 KiB', Size in Standard-ia / One Zone-ia '0 Bytes', Provisioned Throughput '0 MB/s', File system state 'Available', Creation time 'Wed, 15 Mar 2023 11:45:10 GMT', and Availability Zone 'Standard'. The bottom of the screen shows a Windows taskbar with a weather widget indicating '30°C Mostly cloudy' and a system clock showing '18:31 15-03-2023'.

Yeshwanth Chauhan

The screenshot shows the AWS Elastic File System (EFS) console. The main view is the 'Attach' dialog for the file system `fs-068c86a76916033b9`. The dialog provides instructions on how to mount the EFS file system on a Linux instance using either DNS or IP. The 'Mount via DNS' option is selected.

Mount via DNS:

```
sudo mount -t efs -o fsid=fs-068c86a76916033b9 / efs
```

Mount via IP:

```
sudo mount -t efs4 -o nfsvers=4.1,rsize=1048576,volsize=1048576,hard,timeo=600,retr=10,rw,relatime fs-068c86a76916033b9-efs.us-east-1.amazonaws.com / efs
```

The dialog also includes a 'Close' button and a link to 'See our user guide for more information'.

The screenshot shows the AWS Backup console. The 'Jobs' page is displayed, showing a list of backup jobs. The table lists the job ID, status, resource ID, resource type, creation time, and recovery point ID.

Restore job ID	Status	Resource ID	Resource type	Creation time	Recovery point ID
taf6f8dd-31d3-f40a-90c4-5e1137f0d0a4	Completed	arn:aws:efs::us-east-1:fs-068c86a76916033b9	EFS	March 15, 2023, 16:19:52 UTC+05:30	taf6f8dd-e6b6-4b16-9513-6d7f0d0d713c
5f921101-0040-90c4-5e11-37a78f40c0b8	Completed	arn:aws:efs::us-east-1:fs-068c86a76916033b9	EFS	March 15, 2023, 16:23:09 UTC+05:30	taf6f8dd-94a0-420a-a208-00d7150a3075
2871c2d0-0f85-109c-5051-8b008f0a8e42	Completed	arn:aws:efs::us-east-1:fs-068c86a76916033b9	EFS	March 15, 2023, 15:56:38 UTC+05:30	taf6f8dd-94a0-420a-a208-00d7150a3075
10761722-4880-847a-5513-2e26471de106	Failed	-	EFS	March 15, 2023, 15:53:59 UTC+05:30	taf6f8dd-94a0-420a-a208-00d7150a3075
81548563-fd03-1953-71cd-f88f1a10d706	Failed	-	EFS	March 15, 2023, 15:53:54 UTC+05:30	taf6f8dd-94a0-420a-a208-00d7150a3075

us-east-1.console.aws.amazon.com/backup/home?region=us-east-1#/jobs/restore/33847B37-21C5-F169-69C8-3E41927E08A4

Restore - 33847B37-21C5-F169-69C8-3E41927E08A4

to the restore job details page, you can access records of your recent restore jobs.

Recovery point ARN	Status	Resource ID	Resource type
arn:aws:backup:us-east-1:471963814378:recovery-point:23f403b-cdb-4b7b-8855-647f9d822212	Completed	file-system/fs-0b646a27691603369	EFS

Creation date	Completion date	Backup size	API call
March 15, 2023, 18:19:32 UTC+05:30	March 15, 2023, 18:21:01 UTC+05:30	1.0 B	debug/flow

Jobs

to jobs, you can monitor the status and other details of backup, restore, and copy activity.

[Backup jobs](#) | [Restore jobs](#) | [Copy jobs](#)

[Stop backup jobs](#) | [Create report](#) | [Last 24 hours](#)

Backup jobs view

Shows all jobs scheduled or on-demand backups.

Filter backup jobs by job ID, status, resource ID or resource type

Backup job ID	Status	Resource name	Resource ID	Resource type	Creation time	Start by
388814f7-940e-d375-a089-fc7bfad0ff1e	Completed	EFS	file-system/fs-0b646a27691603369	EFS	March 15, 2023, 18:19:32 UTC+05:30	March 15, 2023, 18:19:32 UTC+05:30
e45908f1-e207-4b14-4737-814614baa27f	Completed	PII EFS	file-system/fs-0b646a27691603369	EFS	March 15, 2023, 19:46:32 UTC+05:30	March 15, 2023, 19:46:32 UTC+05:30

Yeshwanth Chauhan

The image displays two screenshots of the AWS Backup console interface. The top screenshot shows the 'Backup - 388814f7-940e-4375-a489-fc9b9ddff3e' details page. The bottom screenshot shows the 'Backup vaults' page.

Top Screenshot: Backup Details

URL: `us-east-1.console.aws.amazon.com/backup/home?region=us-east-1#/jobs/backup/388814f7-940e-4375-a489-fc9b9ddff3e`

Backup - 388814f7-940e-4375-a489-fc9b9ddff3e

In backup job details, you can access records of your scheduled or on-demand backups.

Details

Recovery point ARN	Status	Resource name	Resource ID
<code>arn:aws:backup:us-east-1:471963814375:recovery-point:22d403b9-cade-467b-b555-64796a62212</code>	Completed	ETS	<code>file-system-fs-08628a709116333d9</code>

Resource type	Creation date	Completion date	Backup size
ETS	March 15, 2023, 18:15:52 UTC+05:30	March 15, 2023, 18:15:58 UTC+05:30	1.63 B

IAM role: [defaultRole](#)

Bottom Screenshot: Backup vaults

URL: `us-east-1.console.aws.amazon.com/backup/home?region=us-east-1#/backupvaults`

Backup vaults info

Backup vaults are containers where your backups are stored. You can have one default vault or multiple vaults where backups can be stored.

[Create backup vault](#)

Backup vault name	Vault lock status	Recovery points	KMS encryption key ID
aws/automatic-backup-vault	-	0	arn:aws:kms:us-east-1:471963814375:key-4d0710a77191
backups-vault	-	1	arn:aws:kms:us-east-1:471963814375:key-4d0710a77191

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The screenshot displays the AWS Backup console interface. The top navigation bar shows the AWS logo and various service links. The main content area is titled "yeshvauly002" and contains several sections:

- Summary:** Displays basic information about the vault, including its name, creation date, and KMS encryption key ID.
- Recovery points (1/1):** A table showing the recovery points for the vault. The table has columns for Recovery point ID, Status, Resource name, Resource ID, Resource type, Backup type, Creation time, Source account ID, Retention period, and Transition to cold storage.
- Access policy:** A section for managing access to the vault, currently showing "No permissions".
- Backup vault tags (0):** A section for managing tags on the vault, currently showing "No tags".

The bottom section of the screenshot shows the details of a specific recovery point, including its ID, status, resource information, and backup details.

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The image shows a screenshot of the AWS Backup console in the us-east-1 region, displaying the details for a vault named 'yeshvaul002'. The interface includes a left-hand navigation menu with options like 'My account', 'Backup vaults', 'Backup plans', 'Protected resources', 'Jobs', 'Legal holds', 'Settings', 'Extended resources', 'Getaway', 'Hypervisors', 'Virtual machines', 'My organization', 'Cross-account monitoring', 'Backup policies', 'Backup Audit Manager', 'Frameworks', 'Reports', and 'CloudWatch'.

The main content area shows the 'yeshvaul002' vault details, including a summary, recovery points, access policy, and backup vault tags. The summary section indicates the vault name is 'yeshvaul002', the creation date is March 15, 2023, and the vault lock is set to 'Never'. The recovery points section shows a single recovery point with a status of 'Completed' and a retention period of 'Always'. The access policy section shows 'No permissions' and the backup vault tags section shows 'No tags'.

Below the main content area, the 'Restore backup' dialog is open, showing settings for the selected backup. The settings include the backup ID '23af438a-6b76-4553-6478b6d22a2', the restore type 'Full restore', the restore location 'Restore to directory in source file system', and the restore role 'Default role'. The dialog also includes a 'Cancel' button and a 'Restore backup' button.

The bottom of the screenshot shows the Windows taskbar with the time 18:33 and date 15-03-2023, and the system tray with various icons including network, volume, and power.

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