

[KAN-90] DAY 7 - Task 1: Create an EFS system with mini 3 ec2 machines

Created: 29/Oct/24 Updated: 29/Oct/24 Resolved: 29/Oct/24

Status:	Done				
Project:	Alpha				
Components:	None				
Affects versions:	None				
Fix versions:	None				
Type:	Task	Priority:	Medium		
Reporter:	Gautham Srinivasan	Assignee:	Gautham Srinivasan		
Resolution:	Done	Votes:	0		
Labels:	None				
Remaining Estimate:	Not Specified				
Time Spent:	Not Specified				
Original estimate:	Not Specified				
Attachments:	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>				
Issue links:	<div><div>Cloners</div><div><div>is cloned by</div><div>KAN-94</div><div>CLONE - DAY 7 - Task 1: Create an EFS...</div><div>Done</div></div><div><div>is cloned by</div><div>KAN-98</div><div>CLONE - DAY 7 - Task 1: Create an EFS...</div><div>Done</div></div><div><div>is cloned by</div><div>KAN-102</div><div>CLONE - DAY 7 - Task 1: Create an EFS...</div><div>Done</div></div></div>				
Rank:	0 hzzzzq:3				

Comments

Comment by [Gautham Srinivasan](#) [29/Oct/24]

create 3 instances

▼

Billing Management Console

×

Instances | EC2 | us-east-1

×

SecurityGroup | EC2 | us-east-1

×

+

←

→

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🔍 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws

Services

🔍 security groups

×

EC2 Dashboard

×

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations [New](#)

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instances (3) Info

Last updated less than a minute ago

🔄

Connect

Instance sta

🔍 Find Instance by attribute or tag (case-sensitive)

All states ▼

<input type="checkbox"/>	Name 🔗 ▼	Instance ID	Instance state ▼	Instance type ▼	Status check
<input type="checkbox"/>	efs-servers	i-055f244f884d79b0b	🟢 Running 🔍 🔍	t2.micro	🕒 Initializing
<input type="checkbox"/>	efs-servers	i-089bf60430420c1fb	🕒 Pending 🔍 🔍	t2.micro	–
<input type="checkbox"/>	efs-servers	i-03000e4709bc768d0	🕒 Pending 🔍 🔍	t2.micro	–

Select an instance

CloudShell

Feedback

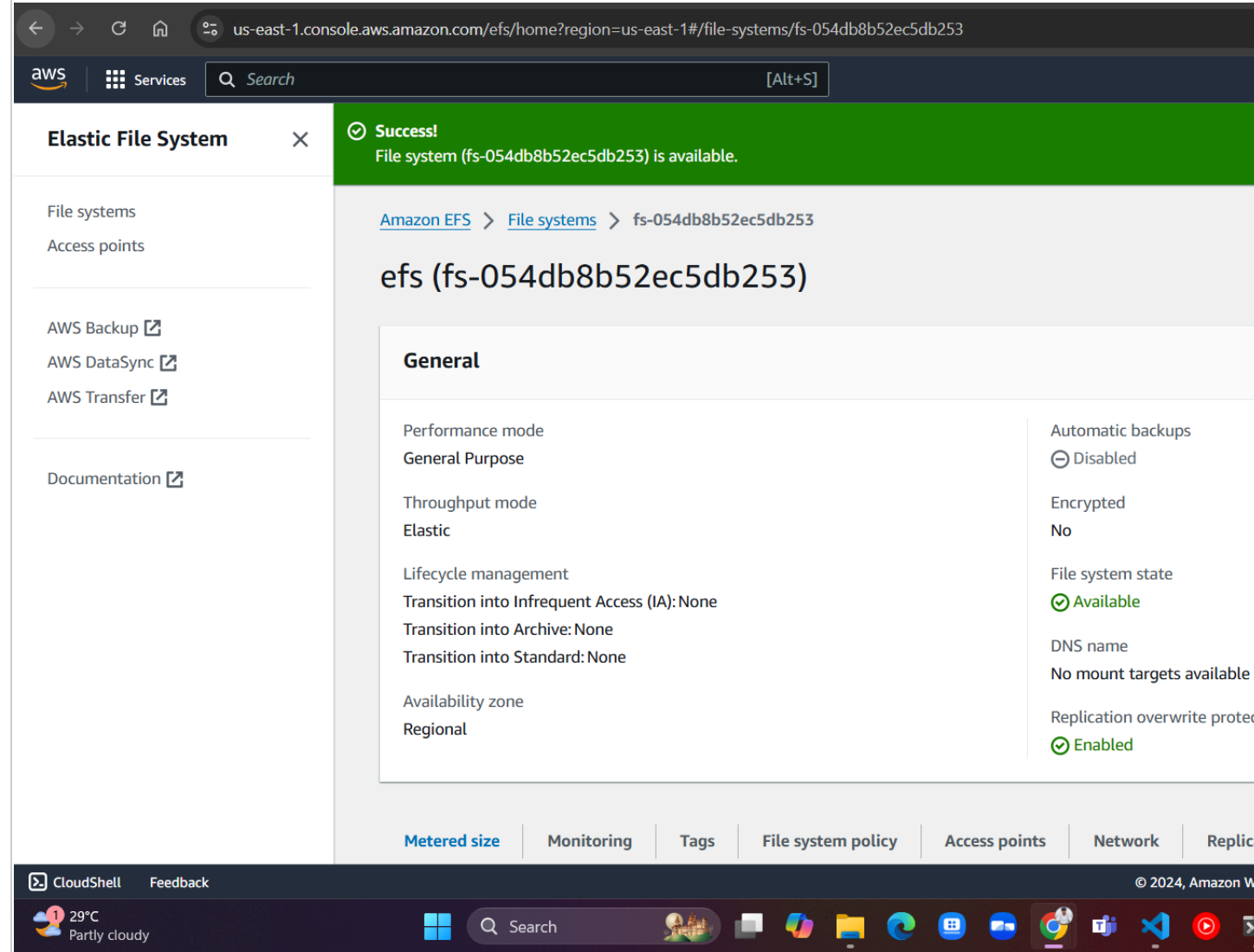
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🌤️ 29°C

Partly cloudy

🔍 Search

create a elastic file system



attach using nfs command

←

→

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🏠

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/fs-054db8b52ec5db253

aws

Services

Search

[Alt+S]

Elas

File

Acce

AWS

AWS

AWS

Doc

Attach

Mount your Amazon EFS file system on a Linux instance. [Learn more](#)

📘

File system (fs-054db8b52ec5db253) does not have any mount targets.

🔵

Mount via DNS

⚪

Mount via IP

Using the EFS mount helper:

```
sudo mount -t efs -o tls fs-054db8b52ec5db253:/ efs
```

✔ copied

ient:

```
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvport fs-054db8b52ec5db253.efs.u
```

See our user guide for more information. [Learn more](#)

Close

Metered size

Monitoring

Tags

File system policy

Access points

Network

Replie

CloudShell

Feedback

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Search

open instance1 and mount the storage

https://trailblazers07.atlassian.net/si/jira.issueviews:issue-html/KAN-90/KAN-90.html

3/9

similarly do it for instance 2 and instance 3

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-089bf60430420c1fb&osUse

aws

Services

Search [Alt+S]

Keyboard shortcut

To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
#
##### Amazon Linux 2
#####\
\#####\
\###| AL2 End of Life is 2025-06-30.
\#/
V~' '->
~~~
~~~ A newer version of Amazon Linux is available!
~~~
~~~ Amazon Linux 2023, GA and supported until 2028-03-15.
/m/' / https://aws.amazon.com/linux/amazon-linux-2023/

ec2-user@ip-172-31-31-2 ~]$ sudo su -
root@ip-172-31-31-2 ~]# mkdir volume_2
root@ip-172-31-31-2 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresvpo
naws.com:/ volume_2
root@ip-172-31-31-2 ~]#
```

i-089bf60430420c1fb (efs-servers)

PublicIPs: 54.196.198.242 PrivateIPs: 172.31.31.2

CloudShell Feedback

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Search

add file in instance 1 → volume 1

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-055f244f884d79b0b&os=Linux

aws Services Search [Alt+S]

Keyboard shortcut
To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

```
[ec2-user@ip-172-31-23-97 ~]$ sudo su -
[root@ip-172-31-23-97 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        467M   0  467M   0% /dev
tmpfs           477M   0  477M   0% /dev/shm
tmpfs           477M 408K  476M   1% /run
tmpfs           477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.8G  6.2G  23% /
tmpfs           96M   0   96M   0% /run/user/1000
[root@ip-172-31-23-97 ~]# mkdir volume_1
[root@ip-172-31-23-97 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsiz=1048576,hard,timeo=600,retrans=2,noresv
onaws.com:/ volume_1
[root@ip-172-31-23-97 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        467M   0  467M   0% /dev
tmpfs           477M   0  477M   0% /dev/shm
tmpfs           477M 412K  476M   1% /run
tmpfs           477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.8G  6.2G  23% /
tmpfs           96M   0   96M   0% /run/user/1000
fs-054db8b52ec5db253.efs.us-east-1.amazonaws.com:/ 8.0E   0  8.0E   0% /root/volume_1
[root@ip-172-31-23-97 ~]#
[root@ip-172-31-23-97 ~]# cd volume_1
[root@ip-172-31-23-97 volume_1]# touch test_file
[root@ip-172-31-23-97 volume_1]# ls
test_file
[root@ip-172-31-23-97 volume_1]#
```

i-055f244f884d79b0b (efs-servers)

PublicIPs: 3.92.52.123 PrivateIPs: 172.31.23.97

CloudShell Feedback © 2024, Amazon

29°C Partly cloudy Search

check whether the file appears in instance 2 and instance 3 using ls command

PublicIPs: 54.196.198.242 PrivateIPs: 172.31.31.2

The screenshot displays the AWS CloudShell interface. At the top, the browser address bar shows the URL: us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-03000e4709bc768d0&osL. Below the address bar, the AWS logo and 'Services' menu are visible. A search bar contains the text 'Search' and '[Alt+S]'. A blue banner at the top of the terminal area contains the text: 'Keyboard shortcut To tab out of the terminal window and select the next button element, press the left and right Shift keys together.' The terminal window shows the following output:

```
#_
##### Amazon Linux 2
#####\
\###| AL2 End of Life is 2025-06-30.
\#/
V~' '->
~~~
~.._
_/
_/m/'

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-18-67 ~]$ sudo su -
[root@ip-172-31-18-67 ~]# mkdir volume_3
[root@ip-172-31-18-67 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresv
zonaws.com:/ volume_3
[root@ip-172-31-18-67 ~]# cd volume_3
[root@ip-172-31-18-67 volume_3]# ls
test_file
[root@ip-172-31-18-67 volume_3]#
```

Below the terminal window, the instance ID 'i-03000e4709bc768d0 (efs-servers)' is displayed, followed by 'PublicIPs: 54.167.51.215' and 'PrivateIPs: 172.31.18.67'. At the bottom of the interface, there is a 'CloudShell' tab and a 'Feedback' link. The bottom of the image shows a Windows taskbar with various application icons and a system tray showing the date and time.

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