

[Screen shot [#1]]

The screenshot displays the AWS Management Console interface for the 'us-west-1' region. The main content area shows the 'Instances' page with a filter for 'Instance state = running'. A table lists the instances, with the first instance 'i-08d166ad86badbf15 (web_server)' selected. The 'Security' tab is active for this instance, showing details such as the IAM Role 'Admin_CloudFormation', the Owner ID '418272795271', and the Launch time 'Sun Feb 16 2025 18:41:45 GMT-0800 (Pacific Standard Time)'. The left sidebar contains a navigation menu with categories like EC2, Images, Elastic Block Store, and Network & Security. The top bar shows the user's account information and the region 'us-west-1'.

EC2

- Dashboard
- EC2 Global View
- Events
- ▼ **Instances**
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- ▼ **Images**
 - AMIs
 - AMI Catalog
- ▼ **Elastic Block Store**
 - Volumes
 - Snapshots
 - Lifecycle Manager
- ▼ **Network & Security**
 - Security Groups

Instances (1/1) info less than a minute ago

Find Instance by attribute or tag (case-sensitive) All states

Instance state = running Clear filters

1

i-08d166ad86badbf15 (web_server)

Details Status and alarms Monitoring **Security** Networking Storage Tags

▼ **Security details**

IAM Role Admin_CloudFormation	Owner ID 418272795271	Launch time Sun Feb 16 2025 18:41:45 GMT-0800 (Pacific Standard Time)
Security groups sg-00b295fc008658b1f (launch-wizard-4)		

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

[Screen shot [#2]]

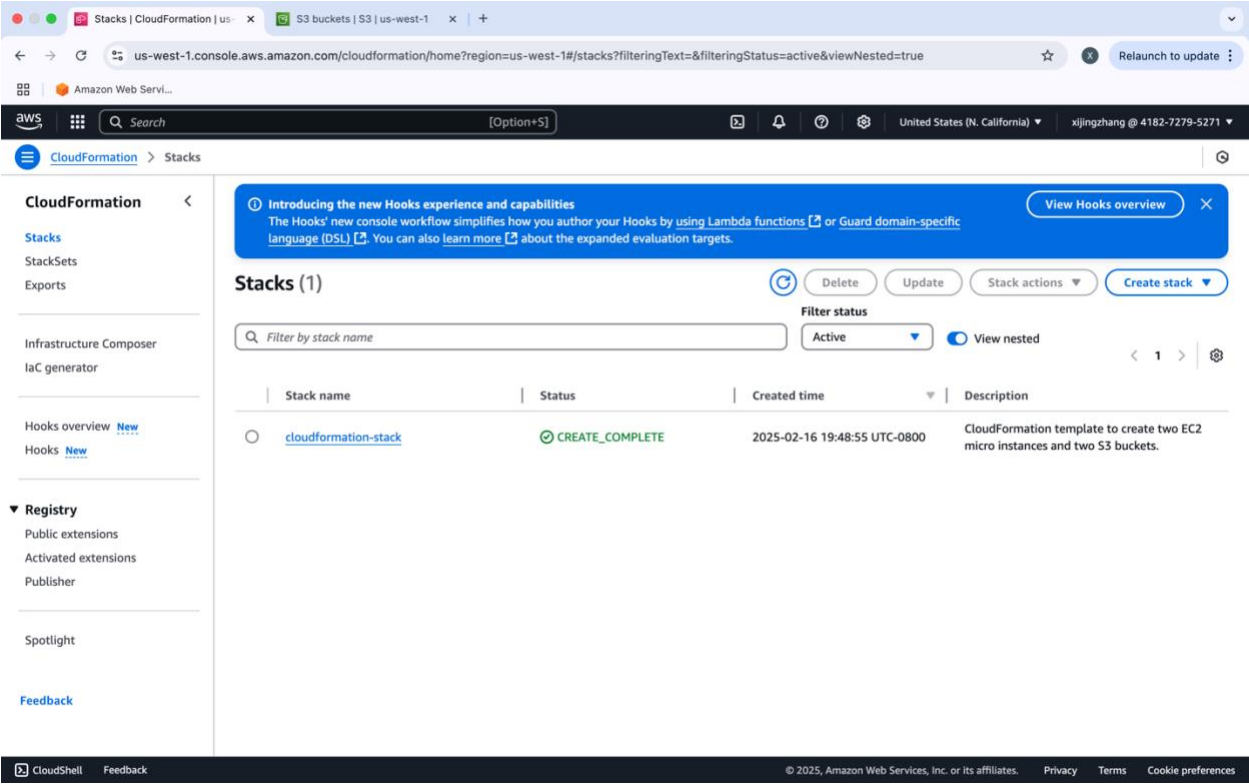
```
zhangxijing — ubuntu@ip-172-31-13-66: /opt/lab-2-stack/lab-4-zhangxiji...
inflating: aws/dist/docutils/writers/s5_html/themes/big-black/__base__
inflating: aws/dist/docutils/writers/s5_html/themes/medium-white/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/medium-white/pretty.css
inflating: aws/dist/docutils/writers/latex2e/xelatex.tex
inflating: aws/dist/docutils/writers/latex2e/docutils.sty
inflating: aws/dist/docutils/writers/latex2e/titlingpage.tex
inflating: aws/dist/docutils/writers/latex2e/titlepage.tex
inflating: aws/dist/docutils/writers/latex2e/default.tex
inflating: aws/dist/docutils/writers/html4css1/html4css1.css
inflating: aws/dist/docutils/writers/html4css1/template.txt
inflating: aws/dist/docutils/writers/pep_html/pep.css
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/html5_polyglot/tuftig.css
inflating: aws/dist/docutils/writers/html5_polyglot/template.txt
inflating: aws/dist/docutils/writers/html5_polyglot/responsive.css
inflating: aws/dist/docutils/writers/html5_polyglot/plain.css
inflating: aws/dist/docutils/writers/html5_polyglot/minimal.css
inflating: aws/dist/docutils/writers/html5_polyglot/math.css
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ aws --version
aws-cli/2.24.5 Python/3.12.6 Linux/6.8.0-1021-aws exe/x86_64.ubuntu.24
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ █
```

[Screen shot [#3]]



```
zhangxijing — ubuntu@ip-172-31-13-66: /opt/lab-2-stack — ssh -i EC2Ub...
[ubuntu@ip-172-31-13-66:~]$ cd /opt/lab-2-stack
[ubuntu@ip-172-31-13-66:/opt/lab-2-stack$ git clone git@github.com:clouderity/lab-4-zhangxijing97.git
fatal: could not create work tree dir 'lab-4-zhangxijing97': Permission denied
ubuntu@ip-172-31-13-66:/opt/lab-2-stack$ sudo chown -R ubuntu:ubuntu /opt/lab-2-stack
ubuntu@ip-172-31-13-66:/opt/lab-2-stack$ git clone git@github.com:clouderity/lab-4-zhangxijing97.git
Cloning into 'lab-4-zhangxijing97'...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 11 (delta 2), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (11/11), 15.31 KiB | 15.31 MiB/s, done.
Resolving deltas: 100% (2/2), done.
ubuntu@ip-172-31-13-66:/opt/lab-2-stack$
```

[Screen shot #4]



[Screen shot [#5]]

The screenshot shows the AWS Management Console for the 'us-west-1' region. The main content area displays 'General purpose buckets (2)' with a table listing two buckets. The left sidebar contains navigation links for S3 services, and the top navigation bar shows the user's account and region.

Account snapshot - updated every 24 hours All AWS Regions [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets | **Directory buckets**

General purpose buckets (2) All AWS Regions [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3.

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	cloudformation-stack-bucket1-us-west-1	US West (N. California) us-west-1	View analyzer for us-west-1	February 16, 2025, 19:49:01 (UTC-08:00)
<input type="radio"/>	cloudformation-stack-bucket2-us-west-1	US West (N. California) us-west-1	View analyzer for us-west-1	February 16, 2025, 19:49:01 (UTC-08:00)

© 2025, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

[Screen shot [#6]]

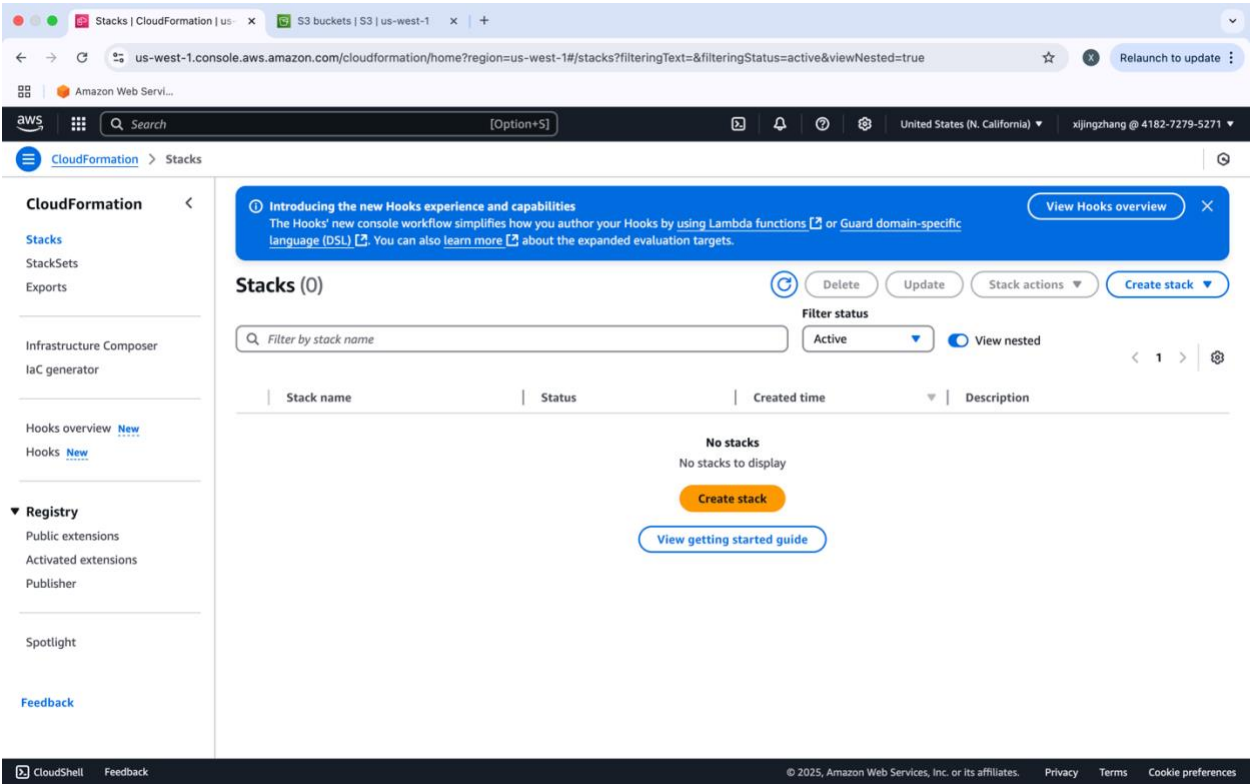
```
zhangxijing — ubuntu@ip-172-31-13-66: /opt/lab-2-stack/lab-4-zhangxiji...

An error occurred (AlreadyExistsException) when calling the CreateStack operation: Stack [my-first-cloudformation-stack] already exists

Waiter StackCreateComplete failed: Waiter encountered a terminal failure state:
Matched expected service error code: ValidationError
Stack my-first-cloudformation-stack has been created successfully.
[ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ nano deploy.sh ]
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ chmod +x deploy.sh
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ ./deploy.sh
{
  "StackId": "arn:aws:cloudformation:us-west-1:418272795271:stack/cloudformati
on-stack/1c4f2e50-ece2-11ef-9aa8-06355f7fa003"
}
Stack cloudformation-stack has been created successfully.
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ nano destroy.sh
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ chmod +x destroy.sh

ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ ./destroy.sh
Stack my-cloudformation-stack has been deleted successfully.
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ nano destroy.sh
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ chmod +x destroy.sh
[ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ ./destroy.sh ]
Stack cloudformation-stack has been deleted successfully.
ubuntu@ip-172-31-13-66:/opt/lab-2-stack/lab-4-zhangxijing97$ █
```

[Screen shot [#7]]



[Screen shot [#8]

