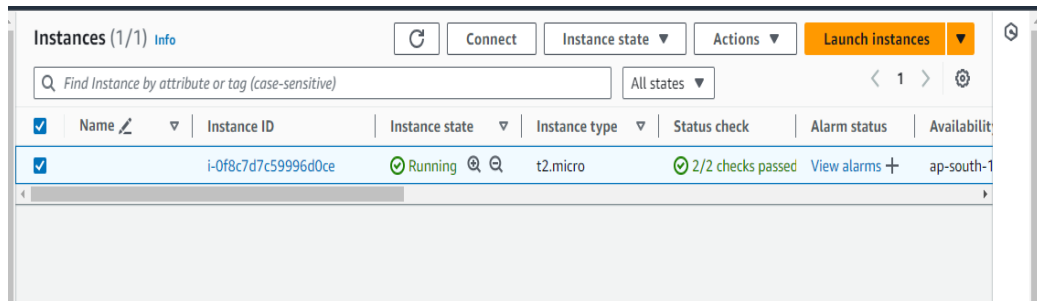


ACTIVITIES	PAGE NUM
INSTANCE TYPE	2
CHANGE TERMINATION PROTECTION	4
INSTANCE TYPE FINDER	5
LAUNCH TEMPLATE	6
LAUNCH INSTANCE FROM TEMPLATE	8
MODIFY TEMPLATE	9
SPOT REQUEST	11

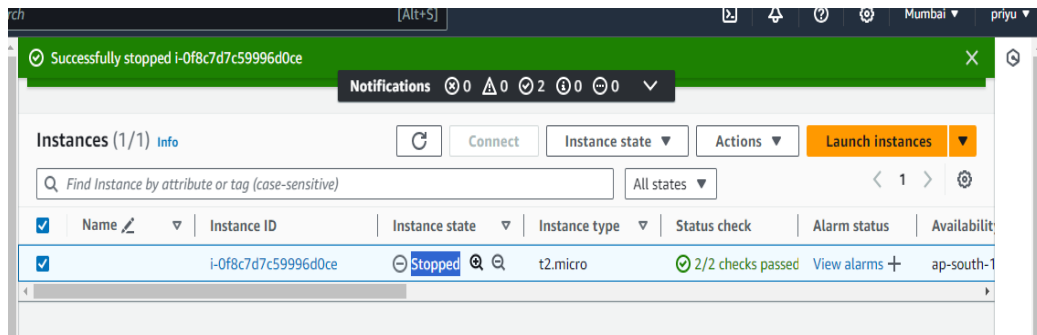
Instance type

Changing one instance type to another Instance type

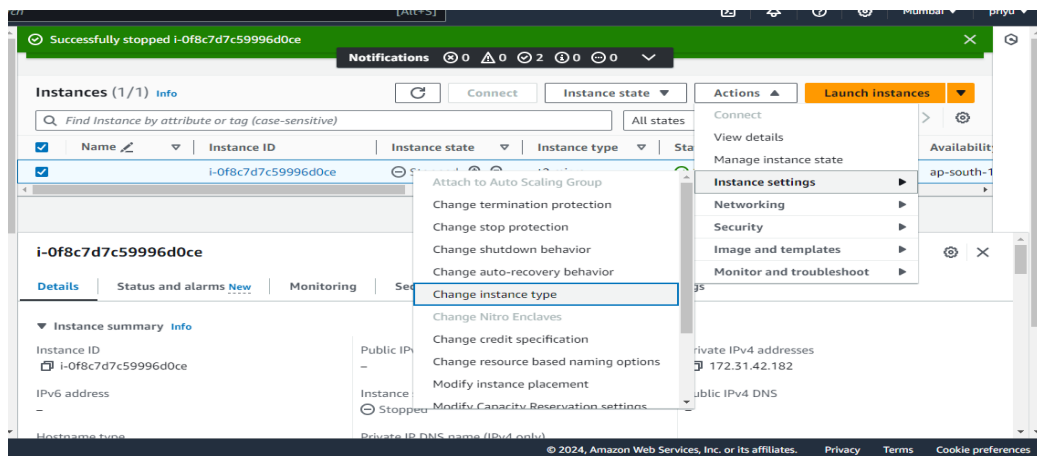
STEP 1 first launch instance



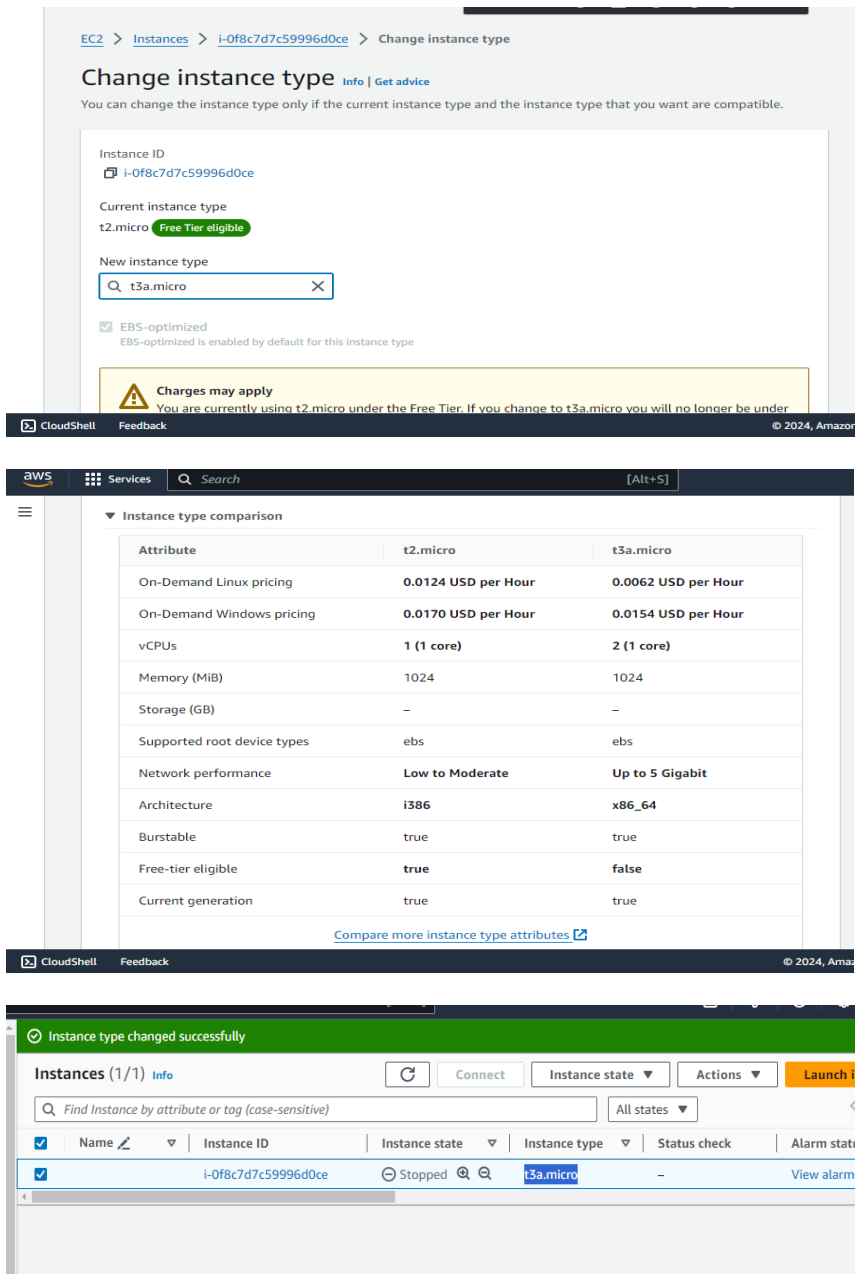
STEP 2 To change one instance type to another, first stop the instance



STEP 3 Select Actions -> Instance settings -> change instance type



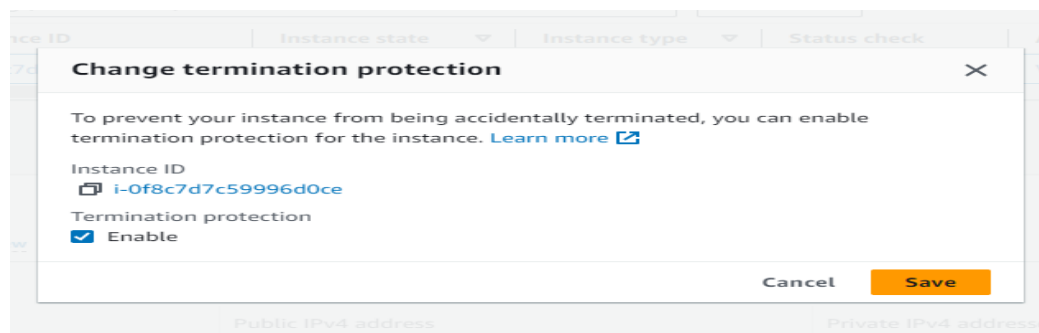
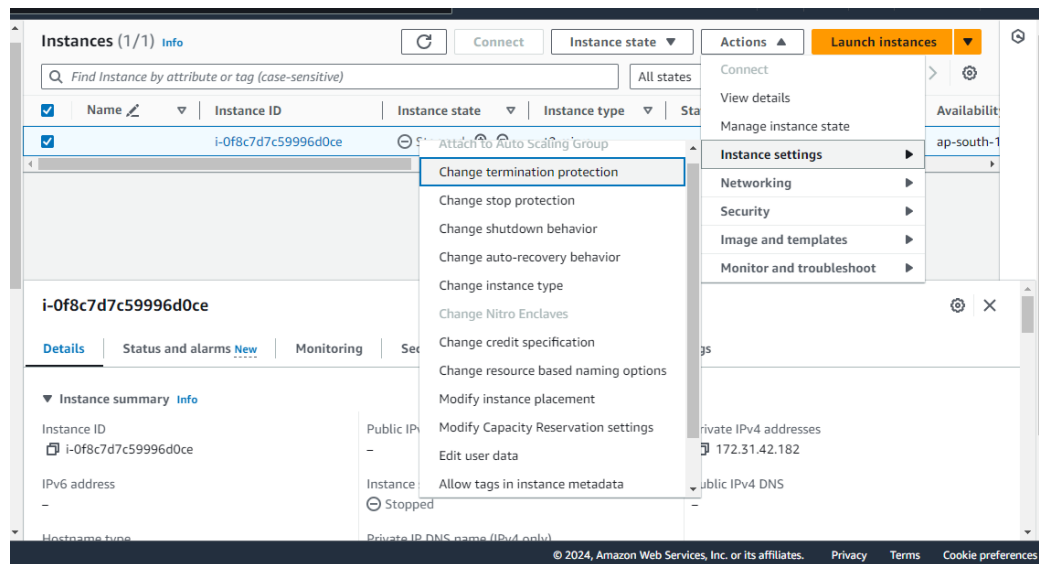
STEP 4 Select the instance type and click apply button



Change Termination protection

Enabling termination protection will not allow us to stop or terminate the instance

STEP 1 After instance launched , Actions -> Instance settings -> change termination protection



Instance Type finder

According to our requirement it suggests instance type

STEP 1 Select the requirements

The screenshot shows the 'Instance type finder' page in the AWS console. The breadcrumb navigation is 'EC2 > Instance types > Instance type finder'. The main heading is 'Instance type finder'. Below it is a section titled 'Instance type requirements' with the instruction 'Tell us about your instance type requirements and we'll suggest instance types for you'. There are four dropdown menus: 'Workload type' (set to 'Web/App Server'), 'Use case' (set to 'Web Hosting'), 'Priority' (set to 'Low cost'), and 'CPU manufacturer' (set to 'Intel'). There is a link for 'Advanced parameters'. At the bottom right of the form are 'Cancel' and 'Get instance type advice' buttons.

The screenshot shows the results of the instance type finder. The heading is 'Instance type finder'. Below it is a section titled 'Instance type requirements'. The text says 'EC2 Instance Type Finder recommends instance families: M7i-flex, T3, C6in, M6id'. There is a button 'View recommended instance family details' with an external link icon. Below this is a section titled 'Additional information' with a list of four points:

1. For deploying a Web/App Server workload for Web hosting use case on the Intel CPU platform with a preference for cost optimization, the recommended instances are T3, M7i-flex, and M6in.
2. The T3 instances are burstable general-purpose instances designed for moderate CPU usage applications like web servers that experience temporary traffic spikes. They provide a balance of compute, memory, and network resources at a lower cost.
3. The M7i-flex instances, powered by the latest 4th generation Intel Xeon Scalable processors, deliver better price performance compared to previous generations. They are suitable for general-purpose workloads requiring continuous high CPU usage.
4. The M6in instances, powered by 3rd generation Intel Xeon Scalable processors, are optimized for high network bandwidth and packet processing performance, making them suitable for web hosting workloads with high network throughput requirements.

Launch template

Creating a launch template allows you to create a saved instance configuration that can be resumed, shared and launched at a later time.

STEP 1 click launch template. Type launch template name, select AMI, instance type, key pair..

The screenshot shows the 'Create launch template' page in the AWS Management Console. The breadcrumb navigation is 'EC2 > Launch templates > Create launch template'. The page title is 'Create launch template'. Below the title is a description: 'Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.' The main form is titled 'Launch template name and description'. It contains two text input fields: 'Launch template name - required' with the value 'demo', and 'Template version description' with the value 'A prod webserver for MyApp'. Below these fields is a checkbox for 'Auto Scaling guidance' which is checked. At the bottom of the form are two expandable sections: 'Template tags' and 'Source template'. The page footer includes 'CloudShell' and 'Feedback' links.

The screenshot shows the 'Launch template contents' page in the AWS Management Console. The breadcrumb navigation is 'EC2 > Launch templates > Launch template contents'. The page title is 'Launch template contents'. Below the title is a description: 'Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.' The main form is titled 'Application and OS Images (Amazon Machine Image)'. It contains a search bar with the placeholder text 'Search our full catalog including 1000s of application and OS images'. Below the search bar is a 'Quick Start' section with a grid of AMI categories: 'Don't include in launch template', 'Amazon Linux', 'macOS', 'Ubuntu', 'Windows', and 'Red Hat'. To the right of the grid is a 'Browse more AMIs' link. Below the grid is a section for 'Amazon Machine Image (AMI)' showing a selected AMI: 'Microsoft Windows Server 2022 Base' with the ID 'ami-0069eac59d05ae12b'. The page footer includes 'CloudShell' and 'Feedback' links.

Launching instance from template

Launching from a template allows you to launch from an instance configuration that you would have saved in the past.

STEP 1 click launch template. Choose launch template name, select AMI, instance type, key pair, Click launch template

EC2 > Launch templates > Launch instance from template

Launch instance from template

Launching from a template allows you to launch from an instance configuration that you would have saved in the past. These saved configurations can be reused and shared with other users to standardize launches across an organisation.

Choose a launch template

Source template

demo
ID: lt-09b3a1d5be5f24948

1 (Default)
-

Instance details

Your instance details are listed below. Any fields that are not specified as part of the configuration below will use the template or default values for those fields. Ensure that you have permissions to override these parameters or your instance launch will fail.

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Instance details

Your instance details are listed below. Any fields that are not specified as part of the configuration below will use the template or default values for those fields. Ensure that you have permissions to override these parameters or your instance launch will fail.

Application and OS Images (Amazon Machine Image) info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

AMI from catalog

Recents

Quick Start

☐ Template or default value

☒ Recently launched

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

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Instance type info | Get advice

Instance type

t2.micro
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0724 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour
Additional costs apply for AMIs with pre-installed software

Free tier eligible

All generations

Compare instance types

Key pair (login) info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

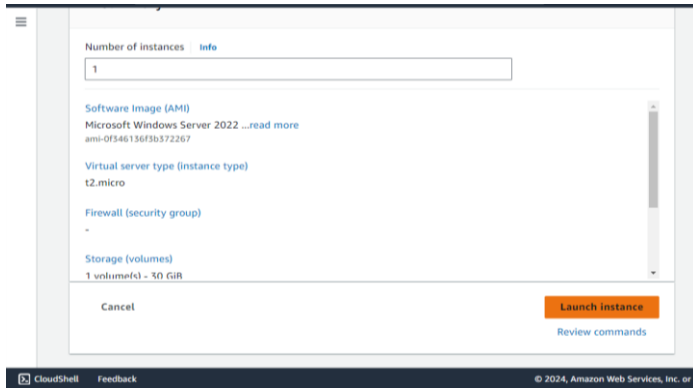
Key pair name - required

demo

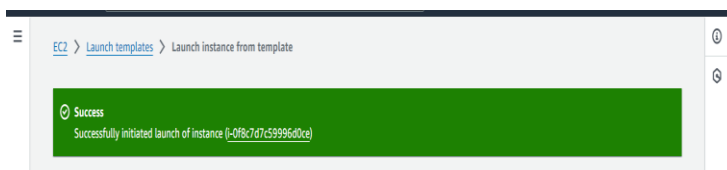
Template value

Create new key pair

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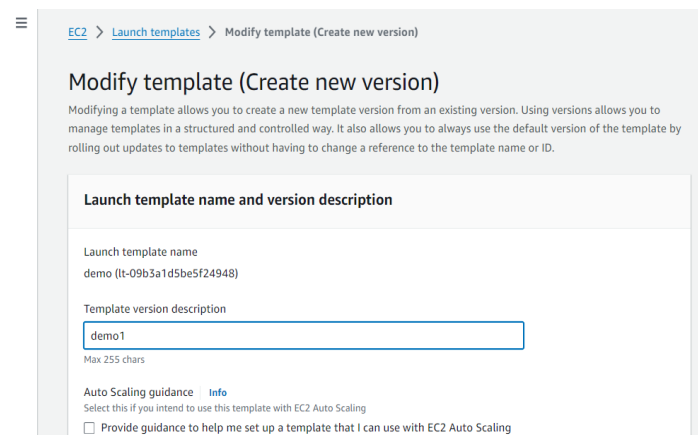
STEP 2 Finally, Launch instance from template have been initialized.



Modify template

Modifying a template allows you to create a new template version from an existing version.

STEP 1 click modify template. Type template version description, select AMI, instance type, key pair. click create template version



Software image (AMI)
Microsoft Windows Server 2022 ...read more
ami-0f346136f3b572267

Virtual server type (instance type)
t2.micro

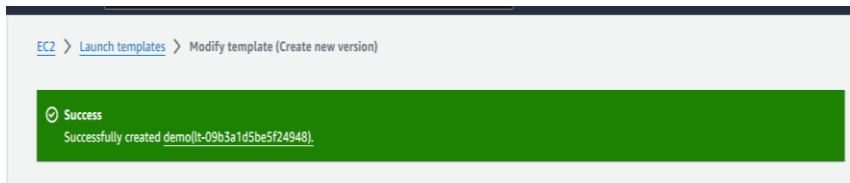
Firewall (security group)
-

Storage (volumes)
1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address

Cancel Create template version

STEP 2 Modified template have been created



STEP 3 Finally, launch template created it can be viewed

Launch Templates (1/1) Info Refresh Actions Create launch template

Launch Template ID	Launch Template Name	Default Version	Latest Version	Create
lt-09b3a1d5be5f24948	demo	1	2	2024-0

demo (lt-09b3a1d5be5f24948) Settings Close

Launch template details Actions Delete template

Launch template ID lt-09b3a1d5be5f24948	Launch template name demo	Default version 1	Owner arn:aws:iam::637423530978:r oot
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STEP 4 Created template can be used as instance, it viewed in instance page

Instances (1/1) Info Refresh Connect Instance state Actions Launch instances

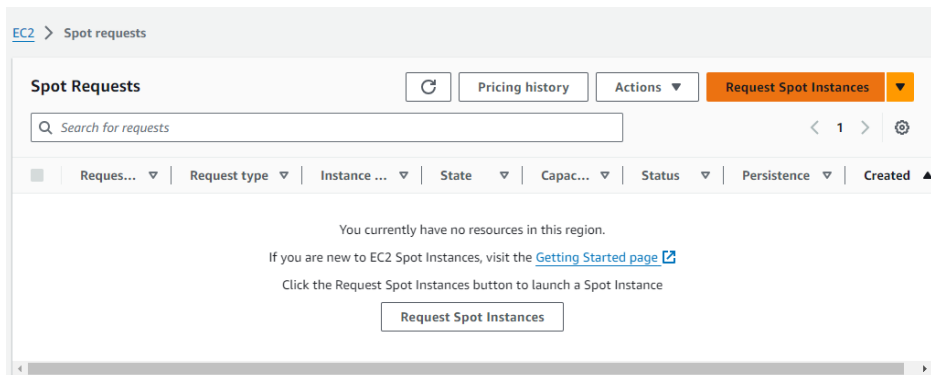
All states < 1 > Settings

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availabilit
<input checked="" type="checkbox"/>		i-0f8c7d7c59996d0ce	Running	t2.micro	2/2 checks passed	View alarms	ap-south-

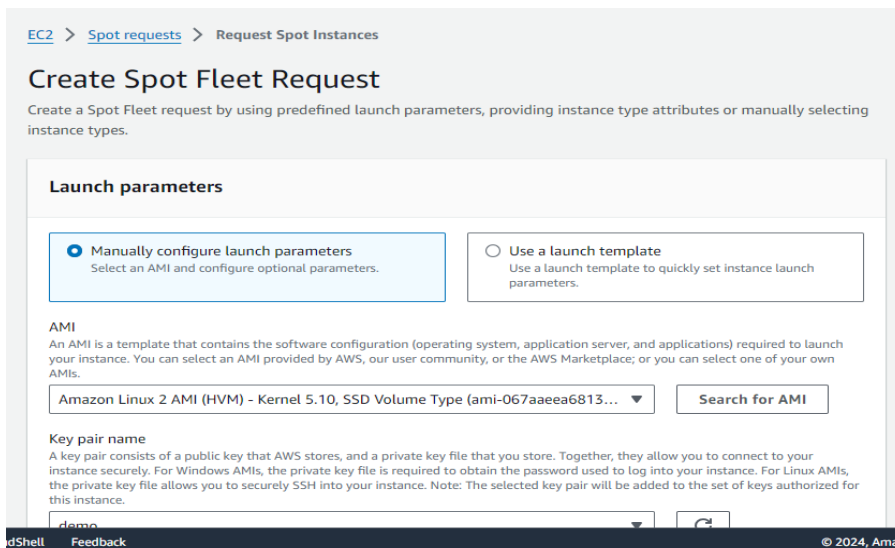
Spot request

Create a spot fleet request by using predefined launch parameters, providing instance type attributes or manually selecting instance types.

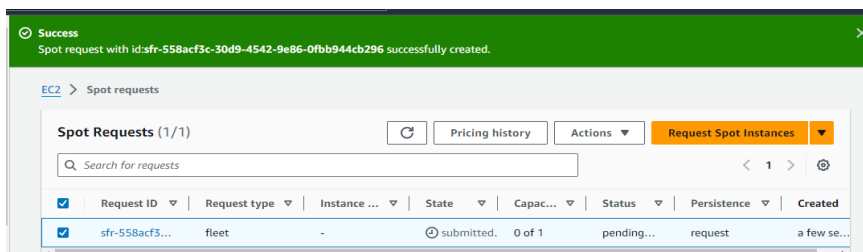
STEP 1 EC2->spot request



STEP 2 select launch parameters, AMI, key pair name, network, target capacity, instance type, region, Click launch



STEP 3 spot request have been successfully submitted.



After completing the activities terminate the instance the running instance.

Instances (1/1) Info							Connect		Instance state ▾		Actions ▾		Launch instances ▾	
<input type="text" value="Find Instance by attribute or tag (case-sensitive)"/>							All states ▾		< 1 >					
<input checked="" type="checkbox"/>	Name ↗ ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability							
<input checked="" type="checkbox"/>		i-0f8c7d7c59996d0ce	Terminated 🔍 🔍	t2.micro	-	View alarms +	ap-south-1							