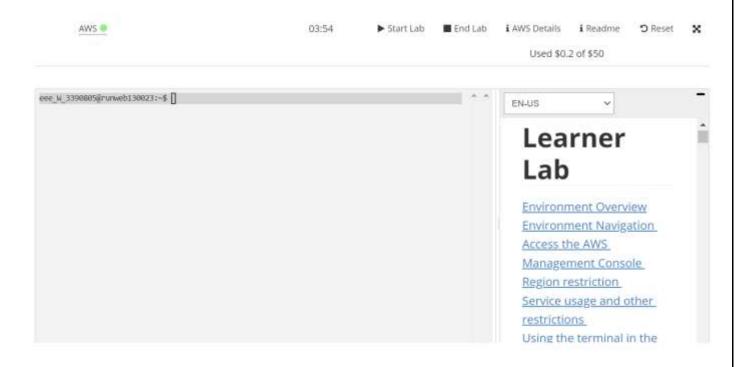
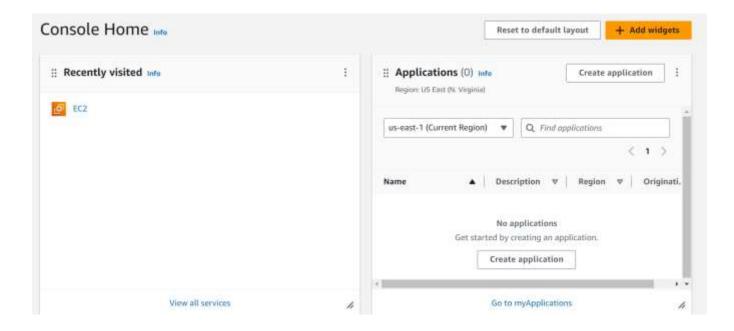
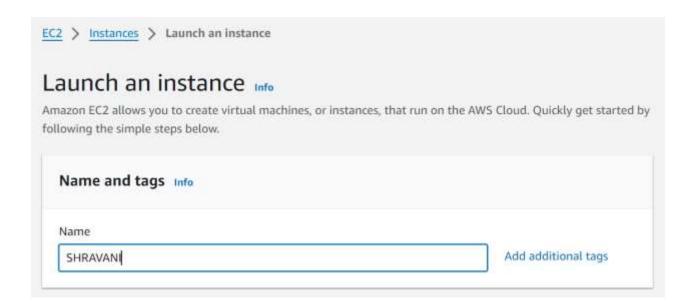
ADVANCE DEVOPS EXPERIMENT 1

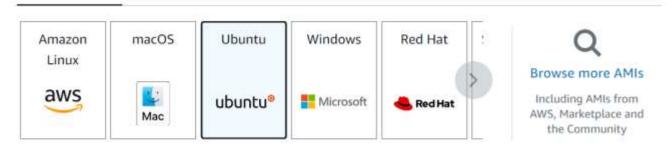
EC2 INSTANCE CREATION







Quick Start

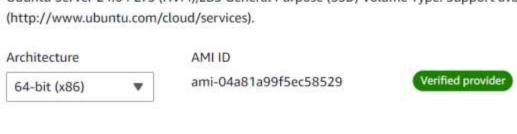


Amazon Machine Image (AMI)



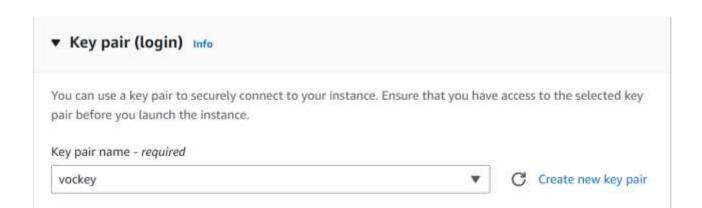
Description

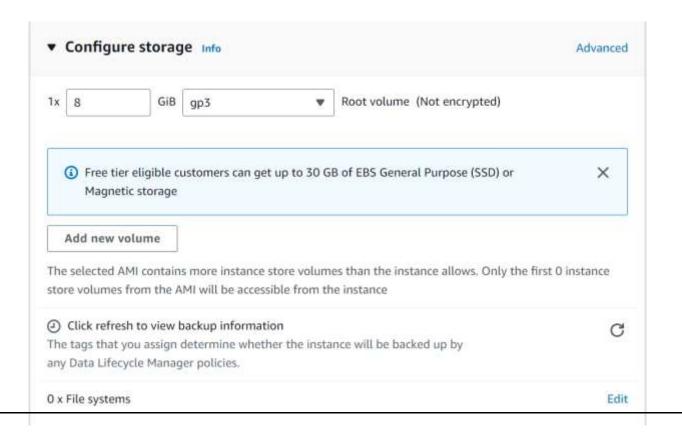
Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical

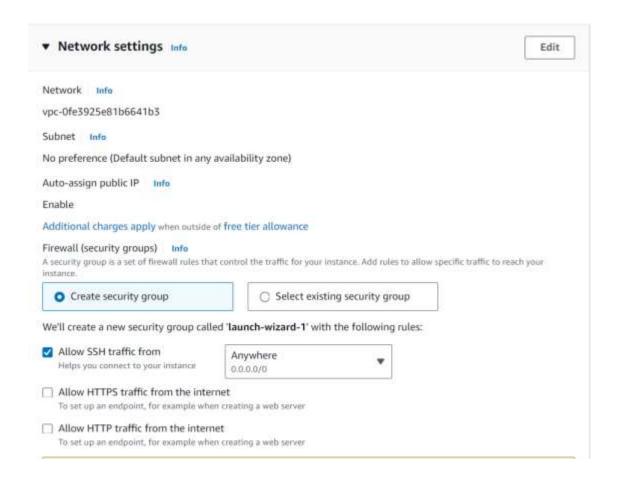


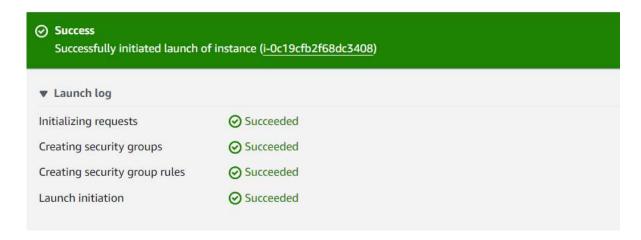
Additional costs apply for AMIs with pre-installed software

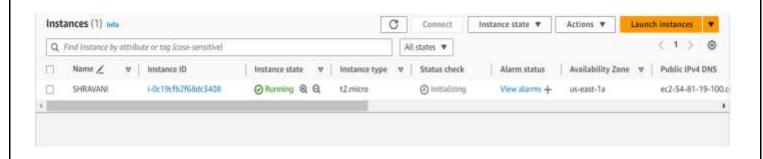
■ Instance type Info | Get advice Instance type t2.micro Free tier eligible Family: t2 1 vCPU 1 GiB Memory Current generation: true On-Demand Windows base pricing: 0.0162 USD per Hour On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour On-Demand Linux base pricing: 0.0116 USD per Hour











Static website hosting using EC2

```
root@ip-172-31-38-150:/home/ubuntu# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
   apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 l
Suggested packages:
   apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
   apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-s
0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.
Need to get 1677 kB/2080 kB of archives.
After this operation, 8091 kB of additional disk space will be used.
```

```
Jul 30 09:05:25 ip-172-31-38-150 systemd[1]: Starting apache2.service - The Apache HTTP Server...

Jul 30 09:05:25 ip-172-31-38-150 systemd[1]: Started apache2.service - The Apache HTTP Server.

root@ip-172-31-38-150:/home/ubuntu# cd /var/www/html/

root@ip-172-31-38-150:/var/www/html# nano index.html

root@ip-172-31-38-150:/var/www/html# nano index1.html

root@ip-172-31-38-150:/var/www/html# cat index1.html

<h!>h! Shravani here...</h!>
root@ip-172-31-38-150:/var/www/html#
```



Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the apache2-doc package was installed on this server.

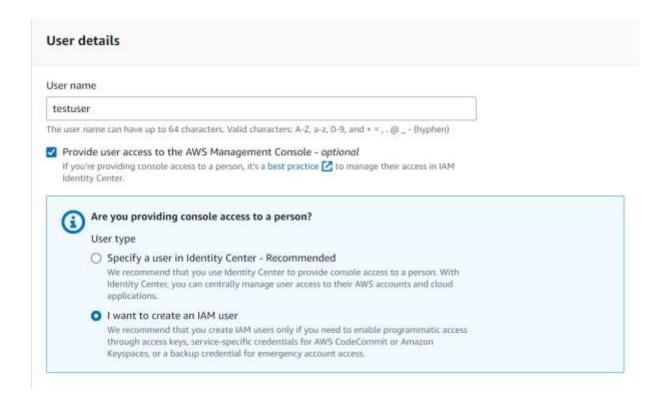
The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

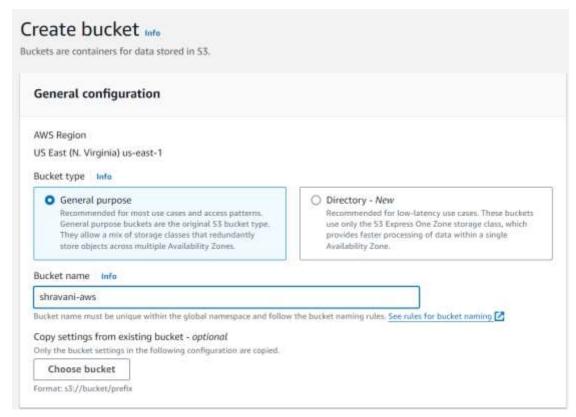
```
/etc/apache2/
|-- apache2.conf
```



Hi Shravani here...

STATIC WEBSITE HOSTING USING S3 BUCKET





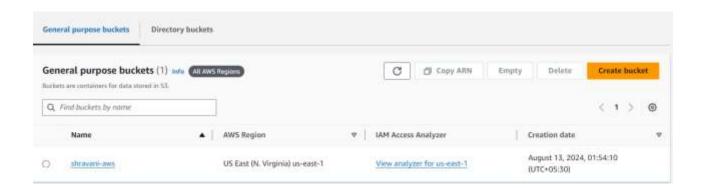
`

Advanced settings

(3) After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket



Q Find by name						
Name	Folder	♥	Type ▽	Size ♥	Status 🔻	Error
facebook.sv[2	2		image/svg+	283.0 B	Succeeded	2
hero.png 🛂			image/png	439.9 KB	Succeeded	
img1.jpg 🔼	2		image/jpeg	122.6 KB	⊘ Succeeded	ē
img2.jpg 🔼			image/jpeg	8.7 KB	Succeeded	*
img3.jpg 🔼	:		image/jpeg	98.1 KB	Succeeded	-
img4.jpg 🖸	5		image/jpeg	87.2 KB	Succeeded	5
index.html 🔼	s		text/html	3.2 KB	⊘ Succeeded	
instagram.s [2]			image/svg+	566.0 B	Succeeded	*

`

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

		ick all public access In public access on is the same as turning on all four settings below. Each of the following settings are independent of one another.
		Block public access to buckets and objects granted through new access control lists (ACLs) 53 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to 53 resources using ACLs.
		Block public access to buckets and objects granted through <i>any</i> access control lists (ACLs) 53 will ignore all ACLs that grant public access to buckets and objects.
-	. 0	Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies 53 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to 53 resources.
L		Block public and cross-account access to buckets and objects through <i>any</i> public bucket or access point policies
		53 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Cancel

Save changes

Edit static website hosting Info Static website hosting Use this bucket to host a website or redirect requests. Learn more [2] Static website hosting O Disable Enable Hosting type Host a static website Use the bucket endpoint as the web address. Learn more [2] Redirect requests for an object Redirect requests to another bucket or domain. Learn more 🗹 For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access 🖸 Index document Specify the home or default page of the website. index.html

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

() ACLs disabled (recommended)

All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

ACLs enabled

Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

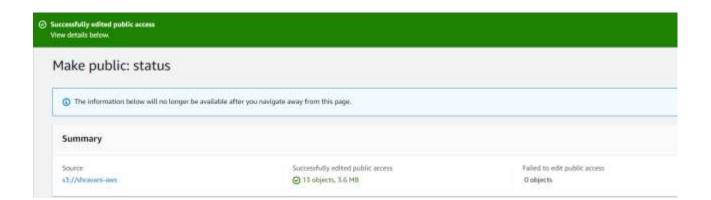
⚠ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.



Enabling ACLs turns off the bucket owner enforced setting for Object Ownership

Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

I acknowledge that ACLs will be restored.



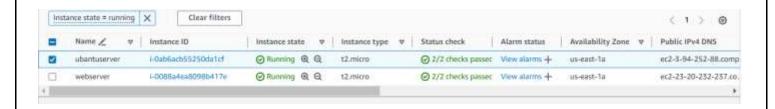


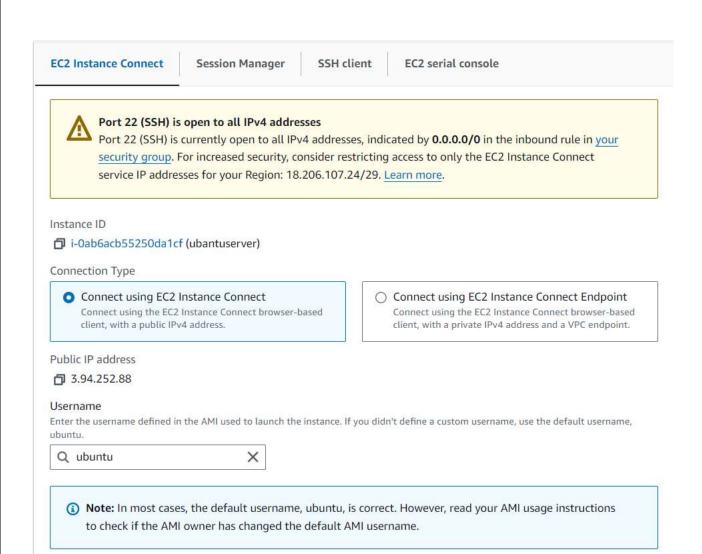
HOSTED LINK:

https://shravani-aws.s3.amazonaws.com/index.html

.

EC2 DYNAMIC HOSTING





```
ubuntu@ip-172-31-38-150:~$ mkdir aws2
ubuntu@ip-172-31-38-150:~$ cd aws2
ubuntu@ip-172-31-38-150:~/aws2$ git clone https://github.com/ShravaniR2412/dynamic-hosting.git
Cloning into 'dynamic-hosting'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), 11.68 KiB | 2.92 MiB/s, done.
ubuntu@ip-172-31-38-150:~/aws2$
```

```
ubuntu@ip-172-31-38-150:~/aws2$ ls

dynamic-hosting

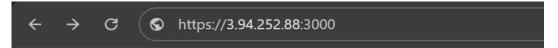
ubuntu@ip-172-31-38-150:~/aws2$ cd dynamic-hosting/

ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ ls

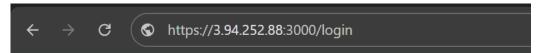
index.js package-lock.json package.json

ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ npm i
```

```
ubuntu@ip-172-31-38-150:~$ cd aws2
ubuntu@ip-172-31-38-150:~/aws2$ ls
dynamic-hosting
ubuntu@ip-172-31-38-150:~/aws2$ cd dynamic-hosting
ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ ls
index.js package-lock.json package.json
ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ npm i
added 93 packages, and audited 94 packages in 3s
16 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ npm start
         Missing script: "start"
npm
npm
         Did you mean one of these?
npm
             npm star # Mark your favorite packages
npm
             npm stars # View packages marked as favorites
npm
npm
         To see a list of scripts, run:
npm
npm
           npm run
         A complete log of this run can be found in:
npm
             /home/ubuntu/.npm/ logs/2024-08-12T21 17 06 213Z-debug-0.log
npm
ubuntu@ip-172-31-38-150:~/aws2/dynamic-hosting$ node index.js
Server is running on port 3000
```



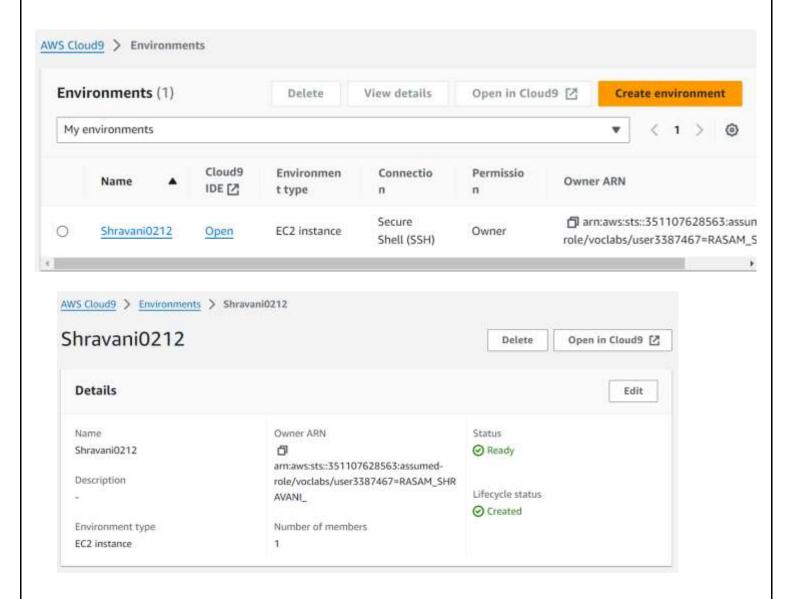
Hey Shravani this is Dynamic Website.

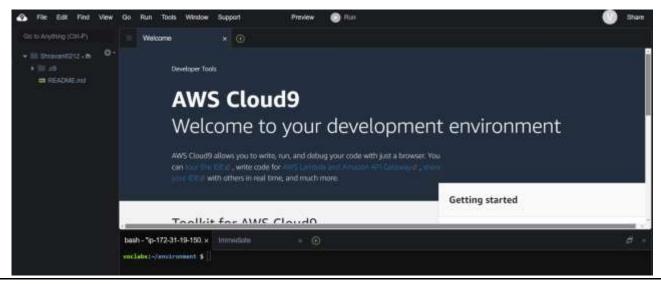


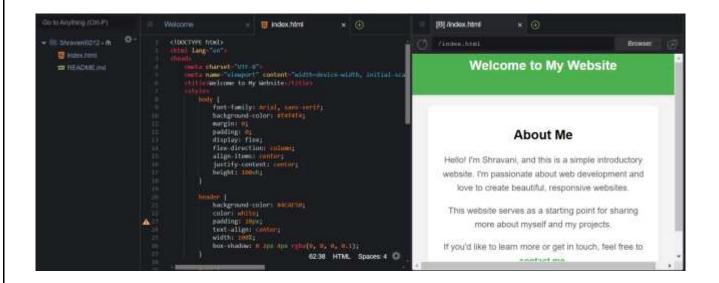
Hey this is login page.

.

CLOUD 9 HOSTING







User details

User name

shravani

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

✓ Provide user access to the AWS Management Console - optional

If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.



Are you providing console access to a person?

User type

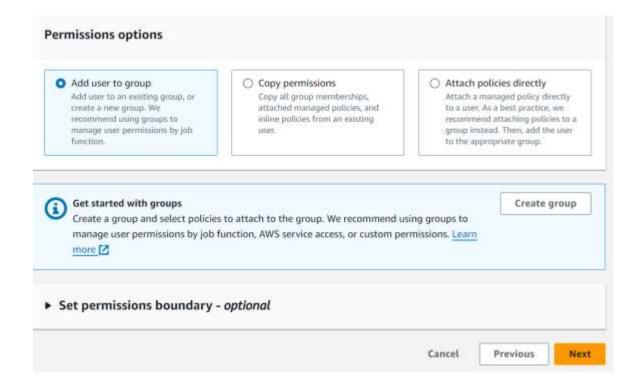
O Specify a user in Identity Center - Recommended

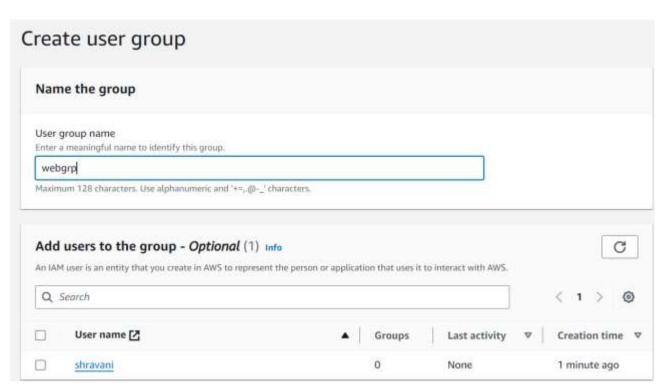
We recommend that you use identity Center to provide console access to a person. With identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

I want to create an IAM user

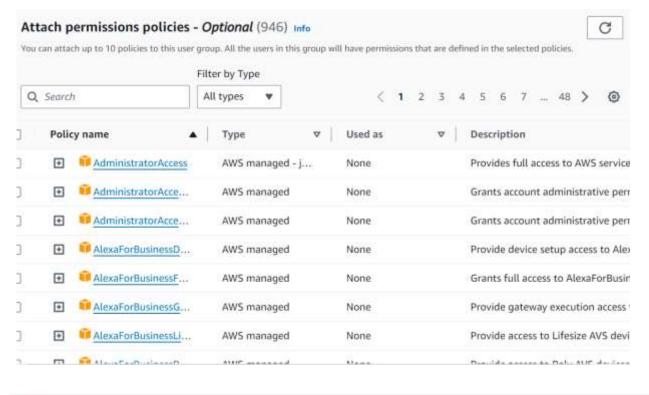
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

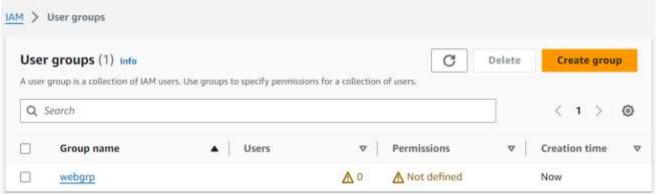
.

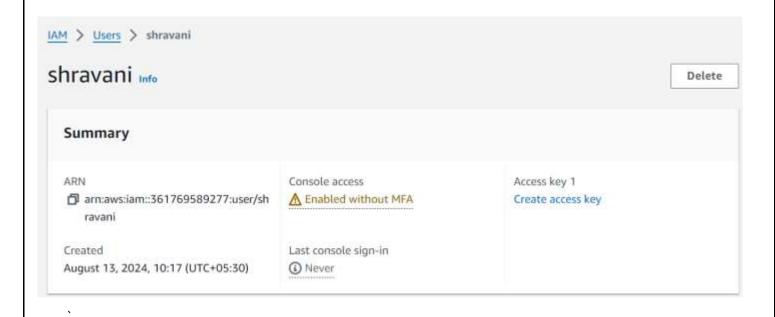




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SHRAVANI RASAM D15A 46	;		
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