Creating AMI's in AWS EC2 Machine

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. (following the simple steps below.

Name and tag	JS Info				
Name					
AMI					2
Application An AMI is a temp launch your insta Q Search ou Recents	and OS Ima late that contains t ince. Search or Brow or full catalog inco Quick Start	ages (Amazo he software confi vse for AMIs if you luding 1000s of	on Machine guration (operatin don't see what yo	Image) Info g system, applica bu are looking for d OS images	tion server, a
Amazon Linux	macOS	Ubuntu	Windows	Red Hat	S
aws	Mac	ubuntu®	Microsoft	<mark> R</mark> ed Hat	>

ami-062df10d14676e201 (64- Virtualization: hvm ENA ena	bit (x86)) / ami-0c66c4f14d217d1 abled: true Root device type: ebs	6f (64-bit (Arm))	
Description			
Canonical, Ubuntu, 22.04 LT	S, amd64 jammy image build	on 2022-09-12	
Architecture	AMI ID		
64-bit (x86) 🔻	ami-062df10d14676e201	Verified p	rovider
Instance type Info			
stance type			
2.micro Family: t2 1 vCPU 1 GiB Mer Dn-Demand Linux pricing: 0.0124 On-Demand Windows pricing: 0.0'	nory USD per Hour 17 USD per Hour	Free tier eligible	Comp
Key pair (login) Info You can use a key pair to secure	y connect to your instance. Ensure	that you have access to t	he selected key
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Key pair (login) Info You can use a key pair to secured the instance. ey pair name - required cloud EC2 Instance Connect Instance ID D i-06fed8ab586031c9d (AN 1. Open an SSH client. 2. Locate your private key 3. Run this command, if m D chmod 400 cloud.pem 4. Connect to your instan D ec2-13-126-236-230.a Example:	y connect to your instance. Ensure Session Manager (1) file. The key used to launce ecessary, to ensure your key ce using its Public DNS: ap-south-1.compute.amazo	that you have access to t SSH client th this instance is cl by is not publicly vie onaws.com	e selected key C EC2 serial console

Jountu@lp-1/2-31-14-22>: ≯ Sudo Su
root@ip-172-31-14-225:/home/ubuntu# apt update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
<pre>Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]</pre>
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [662 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [152 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammv-updates/main amd64 c-n-f Metadata [9404 B]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [399 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu_jammy-updates/restricted Translation-en [61.3 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu_jammy-updates/restricted_amd64_c-n-f_Metadata [532_B]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/upiverse.amd64 Packages [435 kB]
Get:18 http://ap.south_1.ec2.archive.ubuntu.com/ubuntu.jammy-undates/universe Translation_en [19 kB]
Set:19 http://an-south-1.ec2.archive.ubuntu.com/ubuntu.jammy-undates/universe_amd64.co.f.Metadata [4404.B]
Set:20 http://ap.south_1.ec2 archive.ubuntu.com/ubuntu.jammy.undates/multiverse_amd64 Packages [7220 B]
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act. 2) http://ap-south-1.ec2.archive.ubuntu.com/ubuntu.jammy-backpoits/main Thanalation_an [1432.8]
det.24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu_jammy-backpoits/main_inan54.con_f_Matadata [272 B]
det.25 http://ap-south-i.ec2.archive.ubuntu.com/ubuntu_jammy-backpoits/main/amud4_c-n-f Medadada[22.b]
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det.27 http://ap-south-1.et2.archive.ubuntu.com/ubuntu_jammy-backports/universe amous rackages [0/2 D]
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() 134 http://security.ubuntu.com/ubuntu jammy-security/restricted iranslation-en [55.8 kB]
2 t:35 http://security.ubuntu.com/ubuntu jammy-security/universe amdo4 Packages [30/ kb]
G t:36 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [68.7 kB]
2 t:3/ http://security.ubuntu.com/ubuntu_jammy-security/universe_amdb4/c-n-f Metadata [2408 B]
X 1:38 http://security.ubuntu.com/ubuntu_jammy-security/multiverse amd64 Packages [4192 B]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [900 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
etched 23.9 MB in 5s (5204 kB/s)
Reading package lists Done
Building dependency tree Done
Reading state information Done
t packagas san ba upgnadad. Yun 'ant isst upgnadabla' ta san tham
ss packages can be approace. Non aperise approaching to see them.
root@ip-172-31-14-225:/home/ubuntu# ufw allow ssh

Rules updated Rules updated (v6) root@ip-172-31-14-225:/home/ubuntu# ufw allow 80 Rules updated Rules updated (v6) root@ip-172-31-14-225:/home/ubuntu# ufw allow 443 Rules updated Rules updated (v6) root@ip-172-31-14-225:/home/ubuntu# ufw enable Command may disrupt existing ssh connections. Proceed with operation (y|n)? yes

Inbo	und rules (3)		C Manage tags	Edit inbound rules			
Q	Filter security g	roup rules					< 1	> ©
	Name	∇	Security group rule 🔻	IP version	⊽ Туре	⊽ Protocol	∇	Port range
	-		sgr-05d8a957a5ec201	IPv4	HTTPS	TCP		443
	-		sgr-0ed910dc169eb2d	IPv4	SSH	TCP		22
	-		sgr-013e4076334ce90	IPv4	HTTP	TCP		80
								•



Apache2 Default Page



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
` ports.conf
mods-enabled
*.Load
` *.conf
conf-enabled
` *.conf
<pre> sites-enabled</pre>
` *.conf

No VM guests are running outdated hypervisor (qemu) binaries on this host. root@ip-172-31-14-225:/home/ubuntu# php --version Command 'php' not found, but can be installed with: apt install php8.1-cli # version 8.1.2-1ubuntu2.5, or apt install php-cli # version 2:8.1+92ubuntu1 root@ip-172-31-14-225:/home/ubuntu# apt install php8.1 Reading package lists... Done Building dependency tree... Done Reading state information... Done The following additional packages will be installed: libapache2-mod-php8.1 php-common php8.1-cli php8.1-common php8.1-opcache php8.1-readline Suggested packages: php-pear The following NEW packages will be installed: libapache2-mod-php8.1 php-common php8.1 cli php8.1-cli php8.1-common php8.1-opcache php8.1-readline 8 upgraded, 7 newly installed, 0 to remove and 55 not upgraded. Need to get 5124 kB of archives. After this operation, 21.3 MB of additional disk space will be used. Do you want to continue? [Y/n] yes

No VM guests are running outdated hypervisor (qemu) binaries on this host. root@ip-172-31-14-225:/home/ubuntu# systemctl restart apache2 root@ip-172-31-14-225:/home/ubuntu# systemctl start apache2 root@ip-172-31-14-225:/home/ubuntu# echo '<?php phpinfo(); ?>' | sudo tee -a /var/www/html/phpinfo.php > /dev/null root@ip-172-31-14-225:/home/ubuntu#

PHP Ve	rsion	8.1.2
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System	Linux ip-172-31-14-225 5.15.0-1019-aws #23-Ubuntu SMP Wed Aug 17 18:33:13 UTC 2022 x86_64
Build Date	Aug 8 2022 07:28:23
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	(etc)ph/8.1/apache2/cont d/10-opcache ini, /etc)ph/8.1/apache2/cont d/10-pdo.ini, /etc)ph/8.1/apache2/cont d/20-calendar ini, /etc)ph/8.1/apache2/cont d/20-fm ini, /etc)ph/8.1/apache2/cont d/20-ext.ini, /etc)ph/8.1/apache2/cont d/20-fm ini, /etc)ph/8.1/apac
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	AP1420210902,NTS
PHP Extension Build	API20210902,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Deviatered Career Eildere	alib 8 atrina ratifs atrina taunaa atrina talauraa aanuaat 8 aanaumad daahumla aanuaat isanu 8

System

Linux ip-172-31-14-225 5

Instance: i-06fed8ab586031c9d (AMI)

Details Security Networking	Storage Status checks	Monitoring Tags
▼ Instance summary Info	 Public IPv4 address copi ed 	
Instance ID D i-06fed8ab586031c9d (AMI)	13.126.236.230	; Private IPv4 addresses ppen address 2 172.31.14.225
Amazon Machine Images (AMIs) (1) Info	C Z Rec	ycle Bin 🛛 EC2 Image Builder Actions 🔻 Launch instance from AMI
Owned by me Q Find AMI by attribute or t	ag	< 1 > @
□ Name ▼ AMI ID	▼ AMI name ▼ Source	e
ami-007e7391466bb3	94e APACHEPHP 87198	4970178/APACHEP 871984970178 Private 🥝 Available 🝳 🝳 2

Connection to ec2-13-126-236-230.ap-south-1.compute.amazonaws.com closed. PS C:\Users\Murty\Downloads\cloud> ssh -1 "cloud.pem" ubuntu@ec2-13-126-236-230.ap-south-1.compute.amazonaws.com Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1019-aws x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage System information as of Fri Oct 21 11:01:36 UTC 2022
 System load:
 0.0
 Processes:
 105

 Usage of /:
 22.3% of 7.576B
 Users logged in:
 0

 Memory usage:
 20%
 IPv4 address for eth0:
 172.31.14.225
 Swap usage: 0% ^b Ubuntu Pro delivers the most comprehensive open source security and compliance features. https://ubuntu.com/aws/pro 50 updates can be applied immediately. 31 of these updates are standard security updates. To see these additional updates run: apt list --upgradable ast login: Fri Oct 21 10:11:36 2022 from 122.175.94.121 untu@ip-172-31-14-225: \$ 🛓 buntu@ip-172-31-14-225: \$ sudo su root@ip-172-31-14-225:/home/ubuntu# systemctl status apache2
apache2.service - The Apache HTTP Server Loaded: loaded (/lib/system/system/apache2.service; enabled; vendor preset: enabled) Active: active (running) since Fri 2022-10-21 10:49:39 UTC; 23min ago Docs: https://httpd.apache.org/docs/2.4/ Process: 490 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS) Main PID: 598 (apache2) Tasks: 6 (limit: 1143) Memory: 23.0M CPU: 135ms CGroup: /system.slice/apache2.service —598 /usr/sbin/apache2 -k start —638 /usr/sbin/apache2 -k start —639 /usr/sbin/apache2 -k start —644 /usr/sbin/apache2 -k start -645 /usr/sbin/apache2 -k start -646 /usr/sbin/apache2 -k start Oct 21 10:49:38 ip-172-31-14-225 systemd[1]: Starting The Apache HTTP Server... Oct 21 10:49:39 ip-172-31-14-225 systemd[1]: Started The Apache HTTP Server. root@ip-172-31-14-225:/home/ubuntu# _ oot@ip-172-31-14-225:/home/ubuntu# systemctl status php* phpsessionclean.timer - Clean PHP session files every 30 mins Loaded: loaded (/lib/systemd/system/phpsessionclean.timer; enabled; vendor preset: enabled) Active: active (waiting) since Fri 2022-10-21 10:49:39 UTC; 25min ago Trigger: Fri 2022-10-21 11:39:00 UTC; 23min left Triggers: • phpsessionclean.service

Oct 21 10:49:39 ip-172-31-14-225 systemd[1]: Started Clean PHP session files every 30 mins. root@ip-172-31-14-225:/home/ubuntu#

AZURE-EBS EFS

■ Microsoft Azure ● Upgrade ● Search resources, services, and docs (5+7) Foretparature11: 1:0 1: 628K 0 rose Foretparature	
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Interview Paid Fill Normal State Nor Proceedings Command State Normal State Norman State Normal State Norman State Normal Sta	ione/pavaniioi# unnounc addicionaidi
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//dev/loop1 squashrs 90H 90H 90H 9100K /snup/lxd/24051 10op2 7:2 0 //dev/loop1 squashrs 90H 50H 100K /snup/lxd/24051 10op2 3:0 8:0 0 //dev/loop1 vfat 100H 5.2H 100K 5.2H 100K 5.2H 100H 100H <td>0 91.9M 1 loop /snap/lxd/24061</td>	0 91.9M 1 loop /snap/lxd/24061
//dev/sdb1 sida 8:8 6 //dev/sdb1 vfat 1004 <td>0 49.6M 1 loop /snap/snapd/17883</td>	0 49.6M 1 loop /snap/snapd/17883
//dav/sold ext4 3.06 228 3.76 11./mt = 4411 81.4 0 //dav/sold tmpfs tmpfs tmpfs tmp/sold = 4411 81.4 0 //dav/sold ext4 3.96 224 3.76 11./mt/user/1000 = 4411 81.4 0 //dav/sold ext4 3.96 224 3.76 11./mt/user/1000 = 4411 81.4 0 //dav/sold ext4 3.96 224 3.76 11./mt/user/1000 = 4411 81.4 0 //dav/sold ext4 3.96 224 3.76 11./mt/user/1000 = 4411 81.4 0 0 6411 81.16 0 0 6411 81.16 0 <td< td=""><td>0 30G 0 disk</td></td<>	0 30G 0 disk
tmpfs tmpfs 91M 0% /run/user/1000 Ladis 3 8:15 0 /dev/Soc ext4 3.96 24K 3.76 1% /home/pavanivm101/additionaldis 8:15 0 k cotgpavanivm101:/home/pavanivm101/additionaldisk/ in 0 s:16 0 rootgpavanivm101:/home/pavanivm101/additionaldisk/ in s:17 ord s:18 0 rootal 16 dnx root root 1534 Dec 14 0:51 interface rootgpavani101:/home/pavanivm101/additionaldisk# s:17 rootgpavani101:/home/pavanivm101/additionaldisk# s:18 ord dnx root root 1534 Dec 14 0:51 interface rootgpavani101:/home/pavanivm101/additionaldisk# s:15 ord root root 0 Dec 14 0:700 s:15 ord rootgpavani101:/home/pavanivm101/additionaldisk# s:15 ord rootgpavani101:/home/pavanivm101/additionaldisk# s:15 ord rootgpavanivm101:/home/pavanivm101/additionaldisk# s:15 ord rootgpavanivm101:/home/pavanivm101/additionaldisk# s:15 ord rootgpavanisunivm101:/home/pavanivm101/additionaldisk#	0 29.96 0 part /
//dev/sdc ext4 3.96 24K 3.76 1X /none/pavaniwal01/additionaldis site 0 rootpgavaniwal01:/none/pavaniwal01/additionaldisk/ rootggavaniwal01/additionaldisk/ rootggavaniul01/additionaldisk/ rootggavaniul01:/none/pavaniwal01/additionaldisk/ rootggavaniul01:/none/pavaniwal01/additionaldisk/ rootggavaniul01:/none/pavaniwal01/additionaldisk/ rootggavaniul01:/none/pavaniwal01/additionaldisk/ rootggavaniul01:/none total 16 drax root rootggavaniul01:/none/pavaniwal01/additionaldisk/ rootggavanil01:/none rootggavanil01:/none drax root root ot 16384 Dec 14 06:00 9.txt Doop0 7:00 Ootggavanil01:/none -rw+r-rw-r root root 0 Dec 14 07:00 7.txt Doop0 7:00 Oop1 7:1 -rw+r-rw-r root root 0 Dec 14 07:00 7.txt Doop1 7:1 Doop1 7:2	0 106M 0 part /boot/efi
k └ーオ団1 パロコーン ピーオローン パース パース パース パース パース パー パー パー パー パー パー パー パー パー パー パー	0 4G 0 disk
rootppavanium101://nome/pavanium101://dome/pa	0 4G 0 part /mnt
rootpgavanium181:/nome/pavanium191/additionald3k# 15 -ltr rootpgavani181:/hom total 16 drvx2 root root 16384 Dec 14 06:51 いたいのの -rvx-r 1 root root 0 Dec 14 07:09 9.txt WWE MAJ.HNN RM -rvx-r1 root root 0 Dec 14 07:08 8.txt Loop0 7.21 0 -rvx-r 1 root root 0 Dec 14 07:08 7.txt Loop1 7.1 0 -rvx-r 1 root root 0 Dec 14 07:08 6.txt Loop2 7.2 0 -rvx-r 1 root root 0 Dec 14 07:08 6.txt Loop2 7.2 0	1 628K 0 rom
t cotal 10 dfmx2 root root 16384 Dec 14 06:51 root5pavani161:/hou rmu-r1 root root 0 Dec 14 07:00 9.txt LOopD 7.6 0 rmu-r1 root root 0 Dec 14 07:00 8.txt LOopD 7.6 0 rmu-r1 root root 0 Dec 14 07:00 6.txt LOopD 7.1 0 rmu-r1 root root 0 Dec 14 07:00 6.txt LOop2 7.2 0	home/pavani101#
-rw+rr-1 root root 0 Dec 14 07:00 9.txt Port Mark M3.101/700 -rw+rr-1 root root 0 Dec 14 07:00 9.txt Doop0 7:0 0 -rw+rr-1 root root 0 Dec 14 07:00 7.txt Doop0 7:1 0 -rw+rr-1 root root 0 Dec 14 07:00 7.txt Doop1 7:1 0 -rw+rr-1 root root 0 Dec 14 07:00 5.txt Doop1 7:2 0	nome/pavani101#
	nome/pavanii01# isbik
-rw+rr 1 root root 0 Dec 14 07:00 7.txt loop1 7:1 0 -rw+rr 1 root root 0 Dec 14 07:00 6.txt loop2 7:2 0	0 63 2M 1 loop /spap/cope20/1738
-rw-r1 root root 0 Dec 14 07:00 5.txt 10002 7:2 0	0 91.9M 1 loop /snap/lxd/24061
mu n 1 post post 9 Doc 14 97:99 5 tvt	0 49.6M 1 loop /snap/snapd/17883
-1w-1-1-1 1 100 100 0 bec 14 07.00 3.000 state	0 30G 0 disk
-m-r1 root root 0 Dec 14 07:00 4.txt	0 29.9G 0 part /
-w-rr 1 root root 0 Dec 14 07:00 3.txt	0 4M 0 part
$-m_{s} - m_{s} - 1$ root root 0 Dec 14 07:00 2.txt $\pm sda15$ 8:15 0	0 106M 0 part /boot/efi
	9 4G 9 papt (mpt
root@pavanivm101:/home/pavanivm101/additionaldisk#	

How to create webserver Apache

- 1. create a virtual a ubuntu machine
- 2. Install apache2
- 3. Go to disk (create a snapshot)
- 4. Go to snapshot & again create a disk (it will be unattached state)
- 5. create a new virtual machine and attach the disk to it

sud	o a	pt	upo	date
-----	-----	----	-----	------

sudo apt install apache2 –y

-			
□ Name ↑↓		Subscription $\uparrow\downarrow$	Location $\uparrow\downarrow$
🗌 间 AzureRG-Pavani		Free Trial	East US

Virtual machines → … Default Directory								
+ Create $\lor \not\subset$ Switch to classic (§	Reservations 🗸 🗔 Ma	nage view 🗸 💍 Refres	h 🞍 Export to CSV	😚 Open query 🛛 🖉	Assign tags 🖒 Start	🤇 Restart 🗌 Stop [🗓 Delete / 🗏 Services	~ …
Filter for any field Subscription	n equals all Type eq	uals all Resource g	roup equals all $ imes$	Location equals all \times	+ _▼ Add filter			
						No groupin	g v	≡≡ List view
□ Name ↑↓	Туре ↑↓	Subscription ↑↓	Resource group $\uparrow\downarrow$	Location $\uparrow\downarrow$	Status ↑↓	Operating system $\uparrow\downarrow$	Size ↑↓	Public IP address
🗌 🖳 Linux-Pavani	Virtual machine	Free Trial	AZURERG-PAVANI	East US	Running	Linux	Standard_B1s	20.232.195.146

c) Microsoft Corporation. All rights reserved.

:\Windows\system32>ssh pavani100@20.232.195.146 The authenticity of host '20.232.195.146 (20.232.195.146)' can't be established ECDSA key fingerprint is SHA256:HvqCdfOBP+KKB0qndFc7CUyCUduku0EPm3PmdSi8gDI. Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '20.232.195.146' (ECDSA) to the list of known hosts. Davani100@20.232.195.146's password: Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1031-azure x86 64)

See Man Sudo_POOL FOR details.

pavani100@Linux-Pavani:~\$ sudo su root@Linux-Pavani:/home/pavani100# sudo apt update Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRe

root@Linux-Pavani:/home/pavani100# sudo apt install apache2 -y

rocessing triggers for libc-bin (2.31-0ubuntu9.9) poot@Linux-Pavani:/home/pavani100# systemctl status apache2 apache2.service - The Apache HTTP Server Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enable Active: active (running) since Mon 2023-01-30 16:48:34 UTC; 58s ago Docs: https://httpd.apache.org/docs/2.4/ Main PID: 2662 (apache2) Tasks: 55 (limit: 1076) Memory: 11.1M CGroup: /system.slice/apache2.service -2662 /usr/sbin/apache2 -k start -2664 /usr/sbin/apache2 -k start -2665 /usr/sbin/apache2 -k start Jan 30 16:48:34 Linux-Pavani systemd[1]: Starting The Apache HTTP Server... Jan 30 16:48:34 Linux-Pavani systemd[1]: Started The Apache HTTP Server. root@Linux-Pavani:/home/pavani100#

root@Linux-Pavani:/home/pavani100# exit
exit pavani100@Linux-Pavani:~\$ exit
logout Connection to 20.232.195.146 closed.
C:\Windows\system32>ssh linuxvm-snapshot@20.169.214.8 The authenticity of host '20.169.214.8 (20.169.214.8)' can't be established. ECDSA key fingerprint is SHA256:ehUat1PrEJjVRSIL/thZNDvnFFgIqxX40qfyD0EgOIo. Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '20.169.214.8' (ECDSA) to the list of known hosts. linuxvm-snapshot@20.169.214.8's password: Permission denied, please try again. linuxvm-snapshot@20.169.214.8's password: Permission denied, please try again. linuxvm-snapshot@20.169.214.8's password: Connection closed by 20.169.214.8 port 22
C:\Windows\system32>ssh pavani100@20.169.214.8 pavani100@20.169.214.8's password: Welcome to Ubuntu
<pre>* Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage</pre>
System information as of Mon Jan 30 17:27:25 UTC 2023
System load:0.0Processes:104Usage of /:5.4% of 30.83GBUsers logged in:0Memory usage:30%IPv4 address for eth0:10.0.0.5Swap usage:0%
21 updates can be applied immediately. 19 of these updates are standard security updates. To see these additional updates run: apt listupgradable
Run 'do-release 22.04.1 [13 available. Run 'do-release-upgrade' to upgrade to it.
Last login: Mon Jan 30 16:40:18 2023 from 122.175.189.77 pavani100@Linux-Pavani:~\$ _
Last login: Mon Jan 30 10:40:18 2023 from 122.175.189.77 pavani100@Linux-Pavani:~\$ sudo suu sudo: suu: command not found pavani100@Linux-Pavani:~\$ sudo su root@Linux-Pavani:/home/pavani100# systemctl status apache2 • apache2.service - The Apache HTTP Server Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabl Active: active (running) since Mon 2023-01-30 17:18:22 UTC; 12min ago Docs: https://httpd.apache.org/docs/2.4/ Process: 709 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS) Main PID: 865 (apache2) Tasks: 55 (limit: 1076) Memory: 11.3M CGroup: /system.slice/apache2.service - 865 /usr/sbin/apache2 -k start - 868 /usr/sbin/apache2 -k start - 869 /usr/sbin/apache2 -k start
Jan 30 17:18:20 Linux-Pavani systemd[1]: Starting The Apache HTTP Server Jan 30 17:18:22 Linux-Pavani systemd[1]: Started The Apache HTTP Server. root@Linux-Pavani:/home/pavani100#





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:

Home > Virtual machines > Linux-Pavani | Disks > Linux-Pavani_disk1_270b7c86193e470083d5fecb34941687

Create snapshot

Basics	Encryption	Networking	Advanced	Tags	Review + create	
Basics						
Subscript	ion		Free Trial			
Resource	group		AzureRG-Pava	ani		
Region			East US			
Name			Linux-Snapsh	Linux-Snapshot		
Source subscription			Free Trial			
Source type disk						
Source di	isk		Linux-Pavani_	disk1_270	b7c86193e470083d5fecb34941687	
Security t	type		Standard			
Storage t	уре		Standard_LRS			
Snapshot	type		Full			
VM archi	tecture		x64			
Encrypti	on					
Encryptio	n type		Platform-man	aged kev		

🔎 Search	« + Create VM +	Create VM image version 🕂 Create snapshot 📋 Dele	te 🕐 Refresh		
Overview	Ssentials				
Activity log	Resource group (move	:) : <u>AzureRG-Pavani</u>		Disk size	: 32 GIB
Access control (IAM)	Disk state	: Unattached		Disk sku	: Premium SSD LRS
✓ Tags	Location	: East US		Managed by	:
	Subscription (move)	: Free Trial		Operating system	: Linux
Settings	Subscription ID	: 425cdd61-32f4-401b-85d8-400948a79246		Completion percen	t : 100
💼 Configuration	Time created	: 1/30/2023, 10:40:47 PM		Max shares	: 0
Size + performance				Availability zone	: None
% Encryption				Performance tier	: P4 - 120 IOPS, 25 MBps
. Naturaling				Security type	: Standard
(+) Networking	-				

POINT-TO-SITE -VPN

Point-to-site VPN:

- 1. create a VM in one of the subnet
- 2. create a Gateway subnet in the same V-NET
- create a virtual network gateway
- 4. Once the virtual network gateway is created, go to Point-to-site configuration in further
- 5. Now on your client machine, you have to generate root and client certificate and go to Manage user certificates to view both certificates.
- 6. Then on Virtual network gateway, go to Point-to-site configuration & select configure
- 7. Address pool 172.16.0.0/16 & Tunnel Type IKEv2 & Authentication Type Azure certificate

8. Then go to root certificate & export it to Base-64 encode x.509 & save it to desktop with the root certificate. Open the root cert in notepad and paste it.

- 9. Once it is configure download the VPN client and store in temp folder
- 10. Go to VPN settings and you will be able to see your V-NET over there, then try to connect.
- 11. Once connected, try to ssh or ping the server machine.

Virtual networks 🖉 … Default Directory 🕂 Create 🚳 Manage view 🗸 🖒 Refresh 🞍 Export to CSV 😽 Open query 🕴 🖉 Assign tags Filter for any field... Subscription equals all Resource group equals all imes Location equals all imes $\dagger_{
abla}$ Add filter No grouping Name ↑↓ Resource group ↑↓ Location ↑↓ Subscription $\uparrow\downarrow$ VPN-network VPN-PAVANI East US Free Trial Microsoft Azure () Upgrade P Search resources, services, and docs (G+/) Home > Virtual machines > LINUX 👧 LINUX | Networking 👒 … Virtual machines oft.co. irectory (sa352558 + Create \lor \rightleftarrows Switch to classic \cdots ₽ Search 🖉 Attach network interface 🖉 Detach network interface 🛛 🖗 Feedback Qverview linux795 Filter for any field... Activity log Name 1 IP configuration () Access control (IAM) ipconfig1 (Primary) \sim Tags SNetwork Interface: linux795 Effective security rules Troubleshoot VM connection issues Topology Diagnose and solve problems Virtual network/subnet: VPN-PAVANI-vnet/default NIC Public IP: 20.187.102.80 NIC Private IP: 10.0.0.4 Accelerated networking: Disabled Settings Inbound port rules Outbound port rules Application security groups Load balancing S Networking Network security group LINUX-nsg (attached to network interface: linux795) Impacts 0 subnets, 1 network interfaces Add inbound port rule Ø Connect 🗧 Disks Priority Name Port Protocol Source Destination 📮 Size A SSH 300 22 TCP Any Any O Microsoft Defender for Cloud 311 AllowAnyHTTPInbound 80 TCP Any Any Advisor recommendations 321 AllowAnyCustomAnyInbound Any ICMP Any Any Extensions + applications 65000 AllowVnetInBound Any VirtualNetwork VirtualNetwork Any 🐔 Continuous delivery 65001 AllowAzureLoadBalancerInBo... Any AzureLoadBalancer Any Any Availability + scaling 65500 DenyAllInBound Any Any Any Any Configuration 4



Create a self-signed root certificate

\$cert = New-SelfSignedCertificate -Type Custom -KeySpec Signature `-Subject "CN=P2SRootCert" KeyExportPolicy Exportable `-HashAlgorithm sha256 -KeyLength 2048 ` -CertStoreLocation
"Cert:\CurrentUser\My" -KeyUsageProperty Sign -KeyUsage CertSign

PowerShell console session still open

New-SelfSignedCertificate -Type Custom -DnsName P2SChildCert -KeySpec Signature `

-Subject "CN=P2SChildCert" -KeyExportPolicy Exportable `

-HashAlgorithm sha256 -KeyLength 2048 `

-CertStoreLocation "Cert:\CurrentUser\My" `

-Signer \$cert -TextExtension @("2.5.29.37={text}1.3.6.1.5.5.7.3.2")



Expiration Date Inter 31-Jan-24 Clien 31-Jan-24 <ali anced Operations ></ali

🖗 Certificate Export Wizard

Export File Format

Certificates can be exported in a variety of file formats.

Select the format you want to use:

- DER encoded binary X.509 (.CER)
- Base-64 encoded X.509 (.CER)

O Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)

Include all cartificates in the cartification path if passible

ᡖ Save As

← → • ↑ 🗖	🔜 > This PC > Des	sktop >	~	<mark>گ</mark> Se	arch De
Organize 🔻 🛛 N	lew folder				
 This PC 3D Objects Desktop Documents Downloads Music 	 Name C1 Code Creat New Over cloud 	e te with Code folder wolf d - Shortcut	Date modi 30-Nov-21 18-Feb-21 31-Jan-22 13-Dec-22 27-Jan-23 27-Sep-22	fied 1 5:53 PM 6:56 PM 6:41 PM 7:49 PM 3:12 PM 9:33 PM	Typ File File File File Sho
Pictures Videos Local Disk (Ci	:) ~ <	k	23-Nov-21	1 9:04 AM	Inte
File name Save as type	Base64 Encoded X	.509 (*.cer)	• ·		
📜 > This PC > Local D	Disk (C:) > Program Files	(x86) > temp > WindowsAmd64			
ts x ^ Name x x VpnC	ClientSetupAmd64.ex	Date modified	Type	Size 196 KB	
23	9	Run as administrator			
ml	S	Share with Skype			

Windows	protected	your	PC
---------	-----------	------	----

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: VpnClientSetupAmd64.exe

Publisher: Unknown publisher

Don't run

 \times

Settings

Fthernet

යි Home	VPN
Find a setting	+ Add a VPN connection
Network & Internet	virtual-pavani
Status	
<i>ſſ</i> ≈ Wi-Fi	Connect Advanced options Remov

😔 virtual-pavani	—		×
دهم) Azu	re V	ΡN	
Connection status Click Connect to begin connecting. Cancel.	To work offli	ine, click	< >
Connect	Cancel	Prope	erties

STORAGE:



Notifications

More events in the activity $\log \rightarrow$	Disi
Failed to upload blob(s)	
Failed to upload 1 out of 1 blob(s): profile.txt: Failed to fetch	
	a few seco
Failed to upload blob(s)	
Failed to upload 1 out of 1 blob(s): blob: Failed to fetch	
	2 mir
Failed to upload blob(s)	
Failed to upload 1 out of 1 blob(s): Notes.txt: Failed to fetch	
	4 mir
Failed to upload blob(s)	
Failed to upload 1 out of 1 blob(s): code1.txt: Failed to fetch	
	4 mir
Successfully created storage container	
Successfully created storage container 'myfiles'.	

5 mir

Creating Load Runners

- Spot Requests
- Savings Plans
- Reserved Instances New
- **Dedicated Hosts**
- **Capacity Reservations**
- Images

AMIs New AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

- Network & Security
- ▼ Load Balancing

Load Balancers

Create Load Balancer

۲

Q Filter by tags and attrit



containers.

reate Application Load Balancer in
Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instance request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to de licable, it selects a target from the target group for the rule action.
 How Application Load Balancers work
Basic configuration
Load balancer name Name must be unique within your AWS account and cannot be changed after the load balancer is created.
ALB
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.
Scheme Info Scheme Cannot be changed after the load balancer is created. Internet-facing An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. Learn more
Internal An internal load balancer routes requests from clients to targets using private IP addresses.
P address type Info Select the type of IP addresses that your subnets use.
etwork mapping Info
load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.
C Info ect the virtual private cloud (VPC) for your targets. Only VPCs with an internet gateway are enabled for selection. The selected VPC canno firm the VPC for your targets, view your target groups 🔀.
oc-0e4a6bcbf4309b96f
v4: 172.31.0.0/16
v4: 172.31.0.0/16 ppings Info ect at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Ava incer or the VPC are not available for selection.
v4: 172.31.0.0/16 ppings Info act at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Ava ancer or the VPC are not available for selection. ap-south-1a
v4: 172.31.0.0/16 ppings Info cct at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Ava ancer or the VPC are not available for selection. ap-south-1a ubnet
v4: 172.31.0.0/16 ppings Info ect at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Ava ancer or the VPC are not available for selection. ap-south-1a ubnet subnet-00aca38f8cd5aee69
v4: 172.31.0.0/16 ppings Info ct at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Ava ancer or the VPC are not available for selection. approach-1a ubnet subnet-00aca38f8cd5aee69 v4 settings
v4: 172.31.0.0/16 ppings Info ect at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Available for selection. ap-south-1a ubnet subnet-00aca38f8cd5aee69 v4 settings ssigned by AWS
v4: 172.31.0.0/16 ppings Info ect at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Available for selection. ap-south-1a ubnet subnet-00aca38f8cd5aee69 pv4 settings ssigned by AWS ap-south-1b
v4: 172.31.0.0/16 ppings Info ect at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Available for selection. approach a ap-south-1a ubnet subnet-00aca38f8cd5aee69 Pv4 settings ssigned by AWS ap-south-1b ubnet

Creating security groups

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details			
Security group name Info			
LBSG			
Name cannot be edited after creation.			
Description Info			
LBSG			
VPC Info			
Q vpc-0e4a6bcbf4309b96f		×	
Inbound rules Info			
Type Info Prot	ocol Port range Info	Source Info	Description - optional Info
SSH 🔻 TC	P 22	Anywh 🔻 Q	Delete
		0.0.0/0 🗙	
HTTP TC	P 80	Anywh 🔻 Q	Delete

0.0.0.0/0 ×

Specify group details

Your load balancer routes requests to the targets in a target group and performs health checks on the targets.

Basic configuration

Settings in this section cannot be changed after the target group is created.

Choose a target type Instances Supports load balancing to instances within a specific VPC. Facilitates the use of Amazon EC2 Auto Scaling ² to manage and scale your EC2 capacity.

Target group name

ALBTG

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol			Port	
HTTP	▼	:	80	

VPC

Select the VPC with the instances that you want to include in the target group.

-	
vpc-0e4a6bcbf4309b96f	•
IPv4: 172.31.0.0/16	

Protocol version

O HTTP1

Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.

O HTTP2

Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

○ gRPC

Send requests to targets using gRPC. Supported when the request protocol is gRPC.

Health checks

The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol	
HTTP 🔻	
Health check path	
Use the default path of "/" to ping the root, or specify a custom path if preferred.	
/	
Up to 1024 characters allowed.	
Advanced health check settings	Restore defaults
Port	
The port the load balancer uses when performing health checks on targets. The default is the port on which each targe load balancer, but you can specify a different port.	et receives traffic from the
• Traffic port	
○ Override	
Healthy threshold	
The number of consecutive health checks successes required before considering an unhealthy target healthy.	
3	

2-10

Unhealthy threshold

The number of consecutive health check failures required before considering a target unhealthy.

2

2-10

Timeout

The amount of time, in seconds, during which no response means a failed health check.

4 seconds

2-120

Interval

The approximate amount of time between health checks of an individual target

5

seconds

5-300

Success codes

The HTTP codes to use when checking for a successful response from a target. You can specify multiple values (for example, "200,202") or a range of values (for example, "200-299").

200

Register targets

This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.

Avail	able instances (1/1)											
QI	nstance ID:							×			< 1 >	٥
	Instance ID	⊽	Name	▽	State	⊽	Security groups		Zone	▽	Subnet ID	▽
	i-0580014cc93c25722		For Load Rur	iners	⊘ running		LBSG		ap-south-1	b	subnet- 0b3fa025f61 908	3a3
						1 sele	cted					

Listeners and routing Info

A listener is a process that checks for connection requests using the port and p to its registered targets.

▼ Listener	HTTP:80		
Protocol	Port		
HTTP	▼ : 80		
	1-65535		
Default action	1-65535		
Default action Forward to	1-65535 Info ALBTG Target type: Instance, IPv4	HTTP 🔻	

	• LBSG sg-0005712d359ed006a 🔀	 subnet-00aca38f8cd5aee69 ap-south-1b subnet-0b3fa025f613a3908 ap-south-1c subnet-02d7723ea894c376d 	
Add-on services Edit		Tags Edit	

Cancel

Create load balancer

Tai	rget groups	(1/1) Info						C	Actions v	Create target group
Q	Search or filter	target groups								< 1 > ③
	Name	∇	ARN	∇	Port	∇	Protocol	∇	Target type	
	ALBTG		🗇 arn:aws:elastic	loadbalancin	80		HTTP		Instance	ALB
•										•

Target group: ALBTG

Target type Instance IP address type IPv4	Protoc HTTP: Load b ALB	ol : Port 80 alancer	Protocol version HTTP1	VPC vpc-0e4a6bcbf4	309b96f 🔀
Total targets O	Healthy Ø 	Unhealthy 🛞 0	Unused	Initial	Draining

×

Create Load Balanc	er Acti	tions 🕶	
Q Filter by tags and	attributes o	or search by keyword	< < 1 to 1 o
Name		▲ DNS name → State → VPC ID → Availability Zones →	Туре
ALB		ALB-762205593.ap-south-1 Active vpc-0e4a6bcbf4309b96f ap-south-1a, ap-south	application
4			
Load balancer: AL	в	0.0.0	I
Description Lis	steners	Monitoring Integrated services Tags	
Basic Configur	ation		
	Name	ALB	
	ARN	arn:aws:elasticloadbalancing:ap-south-1:871984970178:loadbalancer/app/ALB/f389d1e11e2216c7 🖨	
DN	S name	ALB-762205593.ap-south-1.elb.amazonaws.com ௴ (A Record)	
	State	Active	
	Туре	application	
s	Scheme	internet-facing	
IP addre	ss type	ipv4	
		Edit IP address type	
	VPC	vpc-0e4a6bcbf4309b96f 🔀	
Availability	Zones	subnet-00aca38f8cd5aee69 - ap-south-1a 🗗	





O Multi-AZ DB instance

Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the standby DB instance doesn't support connections for read workloads.

Single DB instance

Creates a single DB instance with no standby DB instances.

Settings
DB instance identifier Info Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.
awsros_pavani The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.
Credentials Settings
Master username Info Type a login ID for the master user of your DB instance.
root
1 to 16 alphanumeric characters. First character must be a letter.
 Auto generate a password Amazon RDS can generate a password for you, or you can specify your own password.
Master password Info
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), '(single quote), "(double quote) and @ (at sign).
Confirm master password Info
••••••
Storage
Storage type Info
General Purpose SSD (gp2) Baseline performance determined by volume size
Allocated storage
20
The minimum value is 20 GiB and the maximum value is 6,144 GiB
Provisioning less than 100 GiB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. Learn more
Storage autoscaling Info Provides dynamic scaling support for your database's storage based on your application's needs.
Enable storage autoscaling Enabling this feature will allow the storage to increase after the specified threshold is exceeded.

Maximum storage threshold Info Charges will apply when your database autoscales to the specified threshold

1000

GiB

The minimum value is 22 GiB and the maximum value is 6,144 GiB

Connectivity Info

Compute resource

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

0	Don't connect to an EC2 compute resource
	Don't set up a connection to a compute resource for
	this database. You can manually set up a connection to
	a compute resource later.

 Connect to an EC2 compute resource
 Set up a connection to an EC2 compute resource for this database.

▼

▼

G

Virtual private cloud (VPC) Info

Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

Default VPC (vpc-0e4a6bcbf4309b96f)

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change its VPC.

DB Subnet group Info

Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.

default

Public access Info

Yes

RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

VPC security group (firewall) Info

Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.



RDS Proxy

RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

Create an RDS Proxy Info

RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see Amazon RDS Proxy pricing 2.

Additional configuration

Database port Info

TCP/IP port that the database will use for application connections.

\$

Database authentication

Database authentication options Info

Password authentication

Authenticates using database passwords.

Password and IAM database authentication

Authenticates using the database password and user credentials through AWS IAM users and roles.

Password and Kerberos authentication

Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

Monitoring

Monitoring

Enable Enhanced monitoring

Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU.

•

.

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▼

Granularity

60 seconds

Monitoring Role

default

Clicking "Create database" will authorize RDS to create the IAM role rds-monitoring-role

Additional configuration

Database options, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned on.

Database options

Initial database name Info

ecommerce

If you do not specify a database name, Amazon RDS does not create a database.

DB parameter group Info

default.mysql8.0 Option group Info

default:mysql-8-0

Backup

7

Enable automated backups
 Creates a point-in-time snapshot of your database

Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to details here.

Backup retention period Info

The number of days (1-35) for which automatic backups are kept.

days

Log exports

Select the log types to publish to Amazon CloudWatch Logs

- Audit log
- Error log
- General log
- Slow query log

IAM role

The following service-linked role is used for publishing logs to CloudWatch Logs.

RDS service-linked role

③ Ensure that general, slow query, and audit logs are turned on. Error logs are enabled by default. Learn more

Maintenance

Auto minor version upgrade Info

Enable auto minor version upgrade

Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window Info

Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

- Choose a window
- No preference

Deletion protection

Enable deletion protection

Estimated monthly costs

Storage	2.62 USD
Total	20.14 USD

This billing estimate is based on on-demand usage as described in Amazon RDS Pricing 🗹. Estimate does not include costs for backup storage, IOs (if applicable), or data transfer.

Estimate your monthly costs for the DB Instance using the AWS Simple Monthly Calculator 🔼

RDS > Databases								
Databases		C	Group resources	C Mod	ify Actions	Restore	from S3	database
Q Filter by databases							<	> ©
DB identifier	Role ⊽	Engine 🗢	Region & AZ 🔻	Size 🔻	Status ⊽	CPU	Current activity	Maintena
awsrdspavani	Instance	MySQL Community	ap-south-1a	db.t2.micro	O Available	5.00%	0 Connection	s none
•								•

Welcome to MySQL Workbench

Connection Name:	awsrds		Туре а	name for the connection	ľ
Connection Method:	Standard (TCP/IP)		✓ Methor	d to use to connect to the RDB	BMS
Parameters SSL	Advanced	Store Password For Cor	nection		×
Hostname:	s0v0ks7.ap-south-1.rd	ds.a Please	enter password for the follo	wing service	
Username:	root	Service	Mysql@awsrdspavani.cm7bzs0v0ks7.ap	-south-1.rds.amazonaws.com	1:3306
Password:	Character March	Use Use	r: root		
	Store in Vault	Workbench Password	:		
Default Schema:				OK Can	cel 🔍 🤉 Filte
					_





Query 1 ×		SQLAdd	itions
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Result Grid Export: Export: Export: Result Grid Export: Export: Result Grid Export: Export: Export: Result Grid Export: Export	/rap Cell Content: IA	to	ggle automatic help.
Database		Result	
ecomr ecommerce		Gind	
information_schema			
mysql		J 😪	
Result 1 ×		Read Only Context	Help Snippets
Output			
Action Output			
# Time Action	Message		Duration / Fetch
 1 18:21:16 create database college 	1 row(s) affected		0.031 sec
2 18:21:57 create database college	Error Code: 1007. Can't of	create database 'college'; database exis	ts 0.032 sec

Qu	ery 1	\times				SQLAdditions	
6		1 🖗	f 👰 🔘 💁 🔘	💿 🛐 Limit to 1000 rows 🔹 🍫 ≤	/ Q. ¶ ₽	< ⊳ <u>B</u>	/ 🎢 Jump to
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<					>	Context Help	Snippets
Ou	tput ::						
đ	Acti	on Output	•				
	#	Time	Action		Message		Duration / Fetch
0	1	18:21:1	6 create database college		1 row(s) affected		0.031 sec
0	2	18:21:5	7 create database college		Error Code: 1007. Can't create database 'college'; d	atabase exists	0.032 sec
0	3	18:23:2	3 show databases		6 row(s) returned		0.031 sec / 0.000 sec
0	4	18:24:5	1 use college		0 row(s) affected		0.016 sec

Query 1 ×			SQLAdditions	
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		~		
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Result 2 × Output Action Output * Time Action 1 18:21:16 create database college	Message 1 row(s) affected	Read Only	Context Help	Snippets Duration / Fetch 0.031 sec
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Result 2 × Output Action Output * Time Action 1 18:21:16 create database college 2 18:21:157 create database college 3 18:23:23 show databases	Message 1 row(s) affected Error Code: 1007. Can't creat 6 row(s) returned	Read Only e database 'college'; dat	Context Help	Snippets Duration / Fetch 0.031 sec 0.032 sec 0.031 sec / 0.000 sec
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# Time Action Message		Duration / Fetch
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2 18:21:57 create database college Error Code: 1007. Can't create database 'college'.	database exists	0.032 sec
3 18:23:23 show databases 6 row(s) returned		0.031 sec / 0.000 sec
4 18:24:51 use college 0 row(s) affected		0.016 sec
 5 18:26:16 show tables 0 row(s) returned 		0.016 sec / 0.000 sec



Qu	ery	/1	×											SQLAdditions		
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0		3	18:23:23	show databa	ses						6 row(s) returned					0.031 sec / 0.000 sec
0		4	18:24:5	use college							0 row(s) affected					0.016 sec
0		5	18:26:10	show tables							0 row(s) returned					0.016 sec / 0.000 sec
0		6	18:35:47	7 create table s	student (f	firstnam	e varchar(2	55), dep	partment varchar(2	55), rolln	0 row(s) affected					0.063 sec
0		7	18:36:55	show tables							1 row(s) returned					0.032 sec / 0.000 sec
0		8	18:38:30	describe stud	lent						3 row(s) returned					0.032 sec / 0.000 sec

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	1 2 3	•	insert	t into student values ('Pavani', 'IT',123);		Automa disabled manual current toggle	tic context help is . Use the toolbar to ly get help for the caret position or to automatic help.
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0		1	18:21:16	create database college	1 row(s) affected		0.031 sec
0		2	18:21:57	create database college	Error Code: 1007. Can't create database 'college'; data	abase exists	0.032 sec
0		3	18:23:23	show databases	6 row(s) returned		0.031 sec / 0.000 sec
0		4	18:24:51	use college	0 row(s) affected		0.016 sec
0		5	18:26:16	show tables	0 row(s) returned		0.016 sec / 0.000 sec
0		6	18:35:47	create table student (firstname varchar(255), department varchar(255), rolln	0 row(s) affected		0.063 sec
0		7	18:36:59	show tables	1 row(s) returned		0.032 sec / 0.000 sec
0		8	18:38:36	describe student	3 row(s) returned		0.032 sec / 0.000 sec
۰		9	18:42:22	insert into student values ('Pavani', 'IT',123)	1 row(s) affected		0.031 sec

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	1 • se	lect * fro	m student	where department= 'IT'		
	2					
	3					
1						
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R	esult Grid	🛛 🛟 Filter	Rows:	Export:	Vrap Cell Content:	<u>TA</u>
	firstname	department	rollnumber			
•	Pavani	П	123			
	Raju	Π	124			
	Raju	П	124			

Successfully modified instance awsrdspavani		>
· Deleting DB instance awsrdspavani		>
RDS > Databases		
Databases	Group resources C Modify Actions ▼ Restore from S3 Create database	
Q Filter by databases		0
DB identifier	▼ Role ▽ Engine ▽ Region & AZ ▽ Size ▽ Status ▽	CPU
awsrdspavani	Instance MySQL Community ap-south-1a db.t2.micro ⊗ Deleting	
4		•

CREATING A BUCKET & ADDING OBJECTS TO BUCKET

Bucket name				
pavanianantapalli				
Bucket name must be g	obally unique and must not co	ntain spaces or uppercase letter	s. See rules for bucket naming 🔀	
AWS Region				
Asia Pacific (Sydne	y) ap-southeast-2		•	
Account snapshot			View Storage Le	ens dashboard
and the second				
torage lens provides visibility in	to storage usage and activity trends. Lean	n more 🔀		
:kets (1) Info	to storage usage and activity trends. Lean	n more 🕻	ARN Empty Delete	Create bucket
torage tens provides visibility in ckets (1) Info ets are containers for data store Find buckets by name	d in S5. Learn more	n more 🕻	ARN Empty Delete	Create bucket
ckets (1) info ets are containers for data store Find buckets by name	d in S3. Learn more 🔁	C C Copy	ARN Empty Delete	Create bucket

Objects are the fundamental entities stored in Amazon 53. You can use Amazon 53 inventory 🗹 to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🗹

< 1 > ©

277.0 KB Standard

C Delete Create folder Create folder

 Name
 ▲
 Type
 ▼
 Last modified

 ▶
 IMAGE1.jpeg
 jpeg
 December 30, 2022, 19:37:05 (UTC+05:30)

Objects (1)

Q Find objects by prefix

Folder name				
AWSNOTES			/	
Folder names can't co	ontain "/". See rules	s for naming 🔀		
Server-side ei	ncryption			
(i) The follow	ing settings app	ly only to the new folder object and not to	the objects contained w	vithin it.
Server-side encryp	otion			
 Disable 				
 Enable 				
				and the second
			Cancel	Create folde
			Cancel	Create folde
			Cancel	Create folde
vanıanantapallı	Info		Cancel	Create folde
vanıanantapaılı	Info		Cancel	Create folde
/anianantapalli jects Properties I	Info Permissions Metrics	Management Access Points	Cancel	Create fold
Yanianantapalli jects Properties I	Info Permissions Metrics	Management Access Points	Cancel	Create folde
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Vanianantapalli jects Properties I piects (5) ect are the fundamental entities s re 2 Copy S3 URI Copy	Info Permissions Metrics tored in Amazon 53. You can u	Management Access Points see Anazon 53 inventory [2] to get a list of all objects in your bucket. For others 30 Download Open [2] Delete Actions	Cancel	create folde
Annanantapalli ojects Properties I bjects (5) lects are the fundamental entities s composition of the second s	Info Permissions Metrics tored in Amazon 53. You can u Copy URL E	Management Access Points Access Points Access Points Access Points Delete Access Points Access Points Last modified	Cancel o access your objects, you'll need to explicitly o Create folder Size Size V	create folde
Vanianantapalui pjets Properties Properties piets are fundamental entities a fund abjects by prefix Name Name NawSNOTES/ Name	Info Permissions Metrics tored in Amazon 53. You can u Copy URL E Copy URL E Folder Folder	Management Access Points Access Points Access Points Access Points Devention (2) to get a list of all objects in your bucket. For others to Download Open (2) Delete Actions Compared to 2022, 19:87:05 (UT ch5:80) Compared to 2022, 19:87:05 (UT ch5:80) Compared to 2022, 19:87:05 (UT ch5:80) Compared to 2022, 19:87:05 (Cancel a access your objects, you'll need to explicitly of Create folder v Size v	create folde
Vanianantapalli bjects Properties I bjects (5) yets are the fundamental entities s Vaniantal entities s Vaniantal entities s Q Copy S3 URI a, Find objects by prefix Name a. AvySNOTES/ D. IMAGET jacp D. IMAGET jacp	Info Permissions Metrics tored in Amazon 53. You can u Copy URL E Folder jpeg ipen	Management Access Points Access Points Access Points Access Points Access Points Access Points Last modified - December 30, 2022, 19:37:05 (UTC+05:30) December 30, 2022, 19:41:15 (UTC+05:30) Access Points Access Points Access	Crancel	create folde
Vanianantapalii bjects Properties I bjects (5) jects are the fundamental entities a re C C Copy 53 URI Copy 53 URI Copy 53 URI Copy 53 URI Copy 53 URI Amme Name I MAGE1 joeg I IMAGE2 joeg	Info Permissions Metrics tored in Amazon 53. You can u Copy URL E Folder jpeg jpeg jpeg	Management Access Points sse Amazon S3 inventory Z to get a list of all objects in your bucket. For others 1 2) Download Open Z Delete Actions ▼ ▼ Last modified - December 30, 2022, 19:37:05 (UTC+05:30) December 30, 2022, 19:47:15 (UTC+05:30)	Cancel	create folde

BUCKET POLICY

Edit Block public access (bucket settings) Info

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 [2]

Turning this	setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.	
Block S3 will ACLs fo using A	public access to buckets and objects granted through <i>new</i> access control lists (ACLs) alock public access permissions applied to newly added buckets or objects, and prevent the creation of new public access rexisting buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources CL.	
Block	public access to buckets and objects granted through any access control lists (ACLs) gnore all ACLs that grant public access to buckets and objects.	
Block S3 will existing	public access to buckets and objects granted through <i>new</i> public bucket or access point policies slock new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any policies that allow public access to S3 resources.	
Block policion S3 will objects	public and cross-account access to buckets and objects through <i>any</i> public bucket or access point is gnore public and cross-account access for buckets or access points with policies that grant public access to buckets and	
	Cancel Save changes	
Edit	Block public access (bucket settings)	

to commune sectings, enter commune in the neta.		
confirm		
	Cancel	Confirm

pavanianantapalli տ								
Objects	Properties	Permissions	Metrics	Management	Access Points			
Permissi	ons overview							
Access Objects car	ו be public							

Select Type of Policy S3 Bucket Policy ~

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a description of elements that you can use in statements.

Effect	Allow O Deny			
Principal				
	Use a comma to separate multiple v	values.		
AWS Service	Amazon S3		~	All Services ('*')
	Use multiple statements to add perr	missions for more tha	n one service.	
Actions	Select Actions	•	□ All Actions ('*')	
Amazon Resource Name (ARN)				
	ARN should follow the following form Use a comma to separate multiple v	mat: arn:aws:s3:::\${ /alues.	BucketName}/\${KeyNam	e}.
	Add Conditions (Optional)			
	Add Statement			

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
• *	Allow	 s3:GetObject 	arn:aws:s3:::pavanianantapalli/*	None

Step 3: Generate Policy

A policy is a document (written in the Access Policy Language) that acts as a container for one or more statements.

Generate Policy Start Over

	Actions	Select Actions	•	□ All Actions ('*')	
azor	Policy JSON Document				×
	Click below to edit. To save Changes made below will no	the policy, copy the text below t be reflected in the policy g	w to a text editor. enerator tool.		Ć
	<pre>{ "Id": "Policy167241 "Version": "2012-10 "Statement": [{ ": 'c:d": ":t=t=16" } }</pre>	.1137974",)-17",			
led t	"Action": ["s3:GetObject				
ipal], "Effect": "Allo	10 ¹¹ .			
	"Resource": "ar "Principal": "*	m:aws:s3:::pavanianantapa	alli/*",		
2.	3				
3:	}				
S SI					
	This AWS Policy Generator is prov	ided for informational purposes only, y	you are still responsible for y	our use of Amazon Web Services technologies	and ensuring -
			Close		
VS Polic	cy Generator is provided for infor	mational purposes only, you are s	till responsible for your us	se of Amazon Web Services technologies	and ensuring that your use
pa	vanianantapal	Info			
Pub	licly accessible				
c	bjects Properties	Permissions Metrics	Management	Access Points	

Access



S3 WEBSITE –HOSTING A WEBSITE TO EVERYONE



← C () File | C:/Users/Murty/Desktop/index.html

A to te 🕀

"Hello World"

Amazon S3 🗲 Buckets 🗲 pavanianantapalli	
pavanianantapalli 🗤	
Publicly accessible	
Objects Properties Permissions Metrics Management Access Points	
Objects (1) Objects are the fundamental entities stored in Amazon 53. You can use Amazon 53 inventory	۵
Name ▲ Type ▼ Last modified ▼ Size ▼ Storage class	~
Image: index.html html December 30, 2022, 20:34:11 (UTC+05:30) 16.0 B Standard	
C C A three for a standard of C x A MUTH SCD x A privation of x A MS Policy x C A S3 - Micros x A Micro X A Micros X A Micros X A Micros X A Micros X A	https://pave x
C U nttps://pavanianamapaili.ss.ap-soutneast-z.amazonaws.com/index.ntml	Α" Σ ο
Hello World"	

S3-versioning

New version

pload Info			
I the files and folders you want to upload to S3. To upload a REST API. Learn more 🔀	file larger than 160GB, us	e the AWS CLI, AWS SDK	or Amazon
Drag and drop files and folders you want to up	load here, or choose Add	files, or Add folders.	
Files and folders (1 Total, 15.0 B)	Remove	Add files Add	folder
All files and folders in this table will be uploaded.			
Q Find by name		<	1 >
Name 🔺 Folder	⊽ Туре	⊽ Size	▽
index.html -	text/html	15.0 B	
Destination Destination			
Destination details Bucket settings that impact new objects stored in the specified de	stination.		
	a contraction of the second		

"Heyy World"

Getting to the old version now

Amazon 53 > Buckets > pavanianantapalli > Edit Bucket Versioning

ersioning is a means of very version of every o nd application failures.	ng i keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore bject stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions Learn more
ucket Versioning	
Suspend This suspends the c versions.	reation of object versions for all operations but preserves any existing object
Enable	
0.45	
 After enablin of objects. 	g Bucket Versioning, you might need to update your lifecycle rules to manage previous versions
	ication (MEA) delate
Iulti-factor authent	Ication (IFIA) delete
Aulti-factor authent n additional layer of se biect versions. To mod	ication (Fir P) detections and the state of

aVa	inianantapall accessible	Info				
Objec	rts Properties	Permissions	Metrics Management Access Points			
Obje	ects (2)					
Object	s are the fundamental entities	stored in Amazon	S3. You can use Amazon S3 inventory 🔀 to get a list of all object	is in your bucket. For others to access your objects, you'll need to explicit	ly grant them perm	nissions. Learn more 🗹
Object	s are the fundamental entities	stored in Amazon	53. You can use Amazon 53 inventory 🕻 to get a list of all object RL 🔛 Download Open 🔀 Delet	s in your bucket. For others to access your objects, you'll need to explicit e Actions Create folder Upload	ly grant them perm	nissions. Learn more 🗹
Object C Q I	s are the fundamental entities Copy S3 URI Find objects by prefix	stored in Amazon	53. You can use Amazon 53 inventory 🗹 to get a list of all object RL 🗄 Download Open 🖾 Delet 💽 Show	s in your bucket. For others to access your objects, you'll need to explicit the Actions Create folder HUplow versions	ly grant them perm	iissions. Learn more 🗹
Object C Q I	s are the fundamental entities Copy S3 URI Find objects by prefix Name	stored in Amazon	53. You can use Amazon 53 inventory 2 to get a list of all object RL 2 Download Open 2 Delet	s in your bucket. For others to access your objects, you'll need to explicit tea Actions Create folder Upload versions Last modified	ly grant them perm	iissions. Learn more [2] < 1 > ⊚ Storage class
	s are the fundamental entities Copy S3 URI Find objects by prefix Name Conduction Copy S3 URI Conduction Copy S3 URI Conduction Copy S3 URI Copy S3 UR	stored in Amazon	53. You can use Amazon 53 inventory 2 to get a list of all object RL 2 Download Open 2 Delet C Show Version ID dCBKS8VVEsqwvB.mUBV/cbcKT7KFMPHt	s in your bucket. For others to access your objects, you'll need to explicit Actions Create folder Uploae versions Last modified December 30, 2022, 21:35:46 (UTC+05:30)	ly grant them perm	iissions. Learn more 🗹 < 1 > ③ Storage class Standard

S3-Replication between regions

Amazon S3 > Buckets > Create bucket
Create bucket Info Buckets are containers for data stored in S3. Learn more 🔀
General configuration
Bucket name
pavani-origin
Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming 🔀
AWS Region
US East (N. Virginia) us-east-1
Copy settings from existing bucket - optional Only the bucket settings in the following configuration are copied. Choose bucket
Bucket Versioning Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more 🖸
Bucket Versioning
O Disable
C Enable

Amazon S3 > Buckets > Create bu	cket		
C I I I I			
Create bucket Info	n S3. Learn more 🔽		
General configuration			
Bucket name			
anantapalli-replica			
Bucket name must be globally unique and	must not contain spaces or uppercas	se letters. See rules for bu	ucket naming 🛃
AWS Region			
US East (Ohio) us-east-2		•	
Copy settings from existing bucket - Only the bucket settings in the following of Choose bucket	optional configuration are copied.		
Bucket Versioning Versioning is a means of keeping multiple variate every version of every object stored in your Ama and application failures. Learn more Bucket Versioning Disable	nts of an object in the same bucket. azon S3 bucket. With versioning, you	/ou can use versioning to can easily recover from l	preserve, retrieve, and restore both unintended user actions
• Enable			
oload: status			
The information below will no longer be available after The information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer be available after the information below will no longer below will no longer below will no longer belo	r you navigate away from this page.		
Summary			
Destination i3://pavani-origin	Succeeded		Failed ⊕ 0 files, 0 B (0%)
Files and folders Configuration			
Files and folders (1 Total 277.0 KB)			
Q Find by name			
Name 🔺 Folder		⊽ Size	
MAGE1.jpeg -	image/jpeg	277.0 KB	⊘ Succeeded
avani-origin			
Objects Properties Per	missions Metrics	Management	Access Points
Objects Properties Per	missions Metrics	Management	Access Points

Repl Use rep C	lication rules (0) plication rules to define op View details	otions you war Edit	rule Delete	rring replication such as	server-side encr	yption, replica o	ownership, transiti	oning replicas to an	other storage class, and m	ore. Learn more 🛂	
	Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica owner	Replication Time Control	KMS- encrypted objects	Replica modification sync
				You d	No on't have any r Crea	o replication ules in the re ate replicatio	rules plication config on rule	uration.			

Amazon S3 > Buckets > pavani-origin > Replication rules > Create replication rule

Create replication rule

Replication rule configuration

Replication rule name

demorule

Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.

Status

Choose whether the rule will be enabled or disabled when created.

Enabled

O Disabled

Priority

The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.

0

Source bucket	
Source bucket name	
pavani-origin	
Source Region	
US East (N. Virginia) us-east-1	
Choose a rule scope	
 Limit the scope of this rule using one or more filters 	
O Apply to all objects in the bucket	

Choos	e a bucket		×
S3 Buck	iets		
Buc	kets (2)		C
Q	Find buckets by name		< 1 >
	Name	AWS Region	
0	anantapalli-repilca	US East (Ohio) us-east-2	
0	pavani-origin	US East (N. Virginia) us-east-1	
		Cancel	Choose path

Jestination /ou can replicate objects across buckets in different AWS Regions (Cross-Region Rep he same AWS Region (Same-Region Replication). You can also specify a different bu or see Amazon S3 pricing 🖸	lication) or you can replicate objects across buckets in icket for each rule in the configuration. Learn more
Choose a bucket in this account	
Specify a bucket in another account	
Bucket name Choose the bucket that will receive replicated objects.	
anantapalli-repilca Destination Region JS East (Ohio) us-east-2	Browse S3
anantapalli-repilca Destination Region JS East (Ohio) us-east-2 AM role	Browse S3
anantapalli-repilca Destination Region US East (Ohio) us-east-2 AM role Choose from existing IAM roles	Browse S3
anantapalli-repilca Destination Region US East (Ohio) us-east-2 AM role Choose from existing IAM roles Enter IAM role ARN	Browse S3
anantapalli-repilca Destination Region US East (Ohio) us-east-2 AM role Choose from existing IAM roles Enter IAM role ARN Wh role	Browse S3

IAM role	
Choose from existing IAM roles	
Enter IAM role ARN	
IAM role	
s3crr_role_for_pavani-origin View	
Replicate existing objects?	×
You can enable a one-time Batch Operations job from this replication configurati replicate objects that already exist in the bucket and to synchronize the source ar destination buckets. Learn more	on to nd
Existing objects	
 No, do not replicate existing objects. 	
○ Yes, replicate existing objects.	

Objects (2)				
Objects are the fundamental entities st	ored in Amazon S3. You can use Ama	zon S3 inventory 🖸 to get a list of all objects in your bucket. For others	to access your objects, you'll need to explicitly gra	ant them permissions. Learn more 🖸
C Copy S3 URI	🗇 Copy URL 🛃 Dor	vnload Open 🔄 Delete Actions 🔻	Create folder IPload	
Q Find objects by prefix		Show versions		< 1 > ③
Name	▲ Type ▽	Last modified	⊽ Size ⊽	Storage class
IMAGE1.jpeg	jpeg	December 31, 2022, 00:27:21 (UTC+05:30)	277.0 KB	Standard
IMAGE2.jpeg	jpeg	December 31, 2022, 00:37:33 (UTC+05:30)	87.9 KB	Standard

Added files after replication rules applied can be viewed in replica bucket

Objects (1)			
Objects are the fundamental entities explicitly grant them permissions. Le	stored in Amazon S3. You arn more 🔽	u can use Amazon S3 inventory 🗹 to get a list of all o	objects in your bucket. For others to access your objects, you'll need to
C Opy S3 URI	Copy URL	Download Open 🖸 D	Delete Actions Create folder
🕞 Upload			
Q Find objects by prefix		Show versions	< 1 > @
Name	▲ Type ▽	Last modified	
IMAGE2.jpeg	jpeg	December 31, 2022, 00:37:33 (UTC+05:30	0) 87.9 KB Standard

Deleting the objects in origin can be seen in replica bucket but not available in origin

pavani-origin Info

Objects (3) Objects are the fundamental entities stored in Amazon 53. You can use Amazon 53 inventory 🗹 to get a list of all objects in your bucket. For others to access your objects, you'll need explicitly grant them permissions. Learn more 🖓	to
Objects (3) Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in your bucket. For others to access your objects, you'll need explicitly grant them permissions. Learn more 🖉	to
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in your bucket. For others to access your objects, you'll need explicitly grant them permissions. Learn more 🛂	to
C Copy S3 URI Copy URL ☑ Download Open ☑ Delete Actions ▼ Create folder	
F. Upload	
Q. Find objects by prefix Show versions < 1 >	•
Name ▲ Type ▼ Last modified ▼ Size ▼ Storage class	
December 31, 2022, 00:27:21 (UTC+05:30) 277.0 KB Standard	
December 31, 2022, 00:37:33 (UTC+05:30) 87.9 KB Standard	
IMAGE3.jpeg jpeg December 31, 2022, 00:47:39 (UTC+05:30) 62.7 KB Standard	

Deleted image 3 in origin

pavanı-origin Info						
Objects Properties Per	missions Metrics	Management Access Points				
Objects (2) Objects are the fundamental entities store	d in Amazon S3. You can i	use Amazon 53 inventory 같 to get a list of all objects in 생 Download Open [2] Delete	your bucket. For others to access your objects, you Actions Create folder	Il need to explicitly gra	ant them permissions. Learn	i more 🗹
Q Find objects by prefix		Show ver	sions		< 1	> @
Name	▲ Туре		⊽ Si:	ze ⊽	Storage class	▽
IMAGE1.jpeg	jpeg	December 31, 2022, 00:27:21 (UTC+0	5:30)	277.0 KB	Standard	
IMAGE2.jpeg	jpeg	December 31, 2022, 00:37:33 (UTC+0	5:30)	87.9 KB	Standard	

When enabled versioning it shows the restored file

pava						
Objec	rts Properties	Permissions	Metrics Management Access Po	pints		
Obje Object	ects (4) s are the fundamental entiti	ies stored in Amazon	S3. You can use Amazon S3 inventory 🔀 to get a list of	f all objects in your bucket. For others to a	access your objects, yo	ou'll need to
explicit C M	ly grant them permissions.	Learn more 🗹	RL 🕑 Download Open 🖄	Delete Actions	Create folder	
QI	Find objects by prefix		C Show versions		<	1 > @
	Name 🔺	Туре	Version ID	Last modified	Size	Storage class
	MAGE1.jpeg	jpeg	PD4NZdls9vy_zebglEg1Sga5lE8Cl3bl	December 31, 2022, 00:27:21 (UTC+05:30)	277.0 KB	Standard
	MAGE2.jpeg	jpeg	nNNSWE_Ezxo_mISzzYfR2nhKdX9ul8Od	December 31, 2022, 00:37:33 (UTC+05:30)	87.9 KB	Standard
	MAGE3.jpeg	Delete marker	OcPy2i0C1CzVCm4qsTtaJsI2toV.Z2kO	December 31, 2022, 00:50:05 (UTC+05:30)	0 B	-
	L D IMAGE3.jpeg	jpeg	qZtV97H0HqlrIBITMtqX2kl12utvGOKk	December 31, 2022, 00:47:39 (UTC+05:30)	62.7 KB	Standard

Lifecycle rule---- transition of storage classes

Create lifecycle rule Lifecycle rule configuration Lifecycle rule name lifecyclerule for replica Up to 255 characters Choose a rule scope ○ Limit the scope of this rule using one or more filters • Apply to all objects in the bucket Apply to all objects in the bucket If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". Learn more 🗹 I acknowledge that this rule will apply to all objects in the bucket. Lifecycle rule actions Choose the actions you want this rule to perform. Per-request fees apply. Learn more 🗹 or see Amazon S3 pricing 🗹 Move current versions of objects between storage classes Move noncurrent versions of objects between storage classes Expire current versions of objects Permanently delete noncurrent versions of objects Delete expired object delete markers or incomplete multipart uploads These actions are not supported when filtering by object tags or object size.

noose storage class transitions		Days after object creation	
Standard-IA	▼	30	Remove
Glacier Instant Retrieval	•	60	Remove
Glacier Deep Archive	•	180	Remove
A Transitioning small obje	ects to Gla	ncier Flexible Retrieval (formerl	y Glacier) or Glacier Deep Archive wi
Transitioning small obje incur a per object cost You will be charged for e Glacier Deep Archive. A f for managing the object of objects to transition (I Learn more about Glacie Requests and data retrie	ects to Gla each object fixed amou which incr by prefix, t er Flexible I evals tab or	t you transition to S3 Glacier Fle int of storage is also added to ea reases storage costs. You can rec rag, or version), or by aggregatin Retrieval (formerly Glacier) cost n the Amazon S3 pricing page [2	y Glacier) or Glacier Deep Archive wi xible Retrieval (formerly Glacier) or S3 ach object to accommodate metadata duce these costs by limiting the numbe g objects before transitioning them. considerations [2] or review the table

Review transition and expiration actions	
Current version actions	Noncurrent versions actions
Day 0	Day 0
Objects uploaded	No actions defined.
t	
Day 30	
Objects move to Standard-IA	
t	
Day 60	
Objects move to Glacier Instant Retrieval	
t	
Day 180	
Objects move to Glacier Deep Archive	

Amazon S	3 > Buckets > anan	tapalli-repilca >	Lifecycle configu	ration							
Lifecy	cle configu	ration Info									
To manage of objects.	e your objects so that th Lifecycle rules run once	ey are stored cost e per day.	effectively throug	nout their lifecycle, configure their lifecycle. A lif	fecycle	e configuration is a set of	rules that define actions t	that Amaz	on S3 appli	es to a	group
Lifecy Use lifec	ycle rules (1) ycle rules to define actions View details	you want Amazon S3	to take during an obj Delete Acti	ect's lifetime such as transitioning objects to another sto	orage c	lass, archiving them, or deleti	ing them after a specified perio	od of time.	earn more 🖸	3	
Q Fi	nd lifecycle rules by nam	ie.							< 1	>	0
	Lifecycle rule name ∇	Status ⊽	Scope ⊽	Current version actions	V	Noncurrent versions actions ⊽	Expired object delete markers	lı ⊽ n	icomplete iultipart up	loads	⊽
0	lifecyclerule for replica	⊘ Enabled	Entire bucket	Transition to Standard-IA, then Glacier Instant Retrieval, then Glacier Deep Archive		-	-	-			

Your VPCs (2) Info				C Actions V	Create VPC
Q Filter VPCs					< 1 > (
Name	▽ VPC ID	▼ State	♥ IPv4 CIDR	▼ IPv6 CIDR	∇
-	vpc-0345a6b206e	8dbda0 Ø Available	172.31.0.0/16	-	
VPCA-Pavani	vpc-084ab965d19	1267d9 Ø Available	10.100.0.0/16	-	

VPCA-PubSN2	subnet-0551f72d6233a4170	⊘ Available	vpc-084ab965d191267d9 VP	10.100.2.0/24
-	subnet-01e3810ee9d07b573	⊘ Available	vpc-0345a6b206e8dbda0	172.31.32.0/20
VPCA-PubSN1	subnet-09144a0c009afad60	⊘ Available	vpc-084ab965d191267d9 VP	10.100.0.0/24
-	subnet-08ab41ba31bc3a0d4	⊘ Available	vpc-0345a6b206e8dbda0	172.31.0.0/20
VPCA-PrvSN	subnet-0432429ac4b8c66fd	⊘ Available	vpc-084ab965d191267d9 VP	10.100.1.0/24

VPCA-IGW	igw-0bc74856eb18118cd	⊖ Detached	871984970178

)

VPCA-RT-Prv	rtb-0b485b40d93c5b9ec	-	-	No	vpc-084ab965d191267d9 VP
VPCA-RT-Pub1	rtb-0c8e0427a3af8fd12	-	-	No	vpc-084ab965d191267d9 VP

V	VPCA-PubSN2	subnet-0551f72d6233a4170	10.100.2.0/24	-	Main (rtb-0d62978386039aa4c)
v	VPCA-PubSN1	subnet-09144a0c009afad60	10.100.0.0/24	-	Main (rtb-0d62978386039aa4c)

VPCA-PubSN2	subnet-0551f72d6233a4170	10.100.2.0/24	-	rtb-0c8e0427a3af8fd12 / VPCA-RT-Pub1
VPCA-PubSN1	subnet-09144a0c009afad60	10.100.0.0/24	-	rtb-0c8e0427a3af8fd12 / VPCA-RT-Pub1
VPCA-PrvSN	subnet-0432429ac4b8c66fd	10.100.1.0/24	-	Main (rtb-0d62978386039aa4c)

-	igw-09e2f16aac64aac0b	⊘ Attached	vpc-0345a6b206e8dbda0	871984970178
VPCA-IGW	igw-0bc74856eb18118cd	⊘ Attached	vpc-084ab965d191267d9 VPCA-Pavani	871984970178

Destination	Target		Status	Propagated	
10.100.0.0/16	Q local	<	⊘ Active	No	
Q 0.0.0.0/0 X	Q igw-0bc74856eb18118cd	<	-	No	Remove

Add route

Name	▼	Instance ID	Instance state	V	Instance type v	Status check	Alarm statu	S	Availability Zone	⊽	Put
EC2-VPCA-PubSN		i-02f408629a5147c64	⊘ Running	ଭ୍ର	t2.micro	⊘ 2/2 checks passed	No alarms	+	ap-southeast-2c		-
EC2-VPCA-PrvSN		i-071670c4578f42884	⊘ Running	ଭ୍ର	t2.micro	-	No alarms	+	ap-southeast-2c		-
											+

EC2-VPCA-PubSN	i-02f408629a5147c64	⊘ Running	ଭ୍ର	t2.micro	⊘ 2/2 checks passed	No alarms	+	ap-southeast-2c	-
EC2-VPCA-PrvSN	i-071670c4578f42884	⊘ Running	ଭ୍ର୍	t2.micro	⊘ 2/2 checks passed	No alarms	+	ap-southeast-2c	-
EC2-VPC B-PrvSN	i-01ff45fc2aaaf80a5	⊘ Running	ଭ୍ର୍	t2.micro	-	No alarms	+	ap-southeast-2c	-
									+

Name	⊽	Security group ID	∇	Security group name 🔻	VPC ID	∇	Description	∇	Owner
-		sg-088edaf31e67f5421		VPCA-SG-Pub	vpc-084ab965d191267d9		VPCA-SG-Pub		871984970178
-		sg-0b00936d9853ce894		default	vpc-084ab965d191267d9		default VPC security g	r	871984970178
-		sg-033f58145164595d8		VPCA-SG-PrvSN	vpc-084ab965d191267d9		VPCA-SG-PrvSN		871984970178
-		sg-04cf5b65fcdf0bdc6		default	vpc-0345a6b206e8dbda0	2	default VPC security g	r	871984970178
									+

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Try the new cross-platform PowerShell	nttps://aka.ms/pscore6			
PS C:\Windows\system32> cd C:\Users\Muu PS C:\Users\Murty\Downloads\Sydney> ss The authenticity of host '3.26.243.28 ECDSA key fingerprint is SHA256:PoIrAsd Are you sure you want to continue conn Warning: Permanently added '3.26.243.20 	<pre>https://aka.ms/pscoreb rty\Downloads\Sydney h -i "Sydney.pem" ec2-usen@3.26. (3.26.243.28)' can't be establis DKfuYSEEWSXU8nJmtKxZ5tf1cmR25xdH ccting (yes/no/[fingerprint])? y 3' (ECDSA) to the list of known 1 of 16 available ates. 10.100.1.236) bytes of data. ttl=255 time=0.725 ms</pre>	243.28 hed. 0MRmM. es hosts.		
64 bytes from 10.100.1.236: icmp_seq=2 64 bytes from 10.100.1.236: icmp_seq=2 64 bytes from 10.100.1.236: icmp_seq=3	ttl=255 time=0.426 ms ttl=255 time=0.508 ms			
64 bytes from 10.100.1.236: icmp_seq=4 ^C	ttl=255 time=0.428 ms			
10.100.1.236 ping statistics 4 packets transmitted, 4 received, 0% rtt min/avg/max/mdev = 0.426/0.521/0.7 [root@ip-10-100-0-215 ec2-user]# ssh 11 The authenticity of host '10.100.1.236 ECDSA key fingerprint is SH256:Akw1200 ECDSA key fingerprint is MD5:fb:5b:0e: Are you sure you want to continue conn Warning: Permanently added '10.100.1.2 Permission denied (publickey,gssapi-key [root@ip-10-100-0-215 ec2-user]# cat ^C [root@ip-10-100-0-215 ec2-user]# pwd /home/ec2-user [root@ip-10-100-0-215 ec2-user]# ~C [ec2-user@ip-10-100-1-236 ec2-user]# PTNG google_com (172,217,24.4	<pre>backet loss, time 3054ms 25/0.125 ms 2.100.1.236 (10.100.1.236)' can't be establ cfP55ql0TiJmy905TiNTCa8JFolFkAe0 7e:34:50:e6:cc:a5:af:28:45:9f:a9 acting (yes/no)? yes 36' (ECDSA) to the list of known yex,gssapi-with-mic). 5 sudo su en]# ping google.com 16) 56(84) bytes of data</pre>	ished. 33gPQ. :c5:36. hosts.		
^C	6) 56(84) bytes of data	•		
 google.com ping statistic packets transmitted, 0 rec 	cs ceived, 100% packet loss	, time 37881ms		
[root@ip-10-100-1-236 ec2-use	er]# cat			
	тре обнавловать теолал	Walable	10.100.0.0/10	
VPC-B	vpc-0ae4b85927b2c2f7c	⊘ Available	10.200.0.0/16	-

						<	1 ;	0
✓ Name ▼ Subnet ID ▼	IPv4 CIDR	⊽	IPv6 CIDR	⊽	Route table ID			▽
VPC B -PrvSN subnet-041dd6d3dc2ffffae	10.200.1.0/24		-		Main (rtb-0d68f9e597c6528cf)			

▼

Name - ontional		
Create a tag with a key of 'Name' and a value that you	specify.	
VPC Peering A-B		
Select a local VPC to peer with		
VPC ID (Requester)		
vpc-084ab965d191267d9 (VPCA-Pavani)		▼
VPC CIDRs for vpc-084ab965d191267d9 (VPC/	A-Pavani)	
CIDR	Status	Status reason
10.100.0.0/16	⊘ Associated	2
Solact apother VPC to peer with		
Account		
Account		
Account Another account		
Account My account Region		

vpc-0ae4b85927b2c2f7c (VPC-B)

VPC CIDRe for vpc_Oae/h85977h7c2f7c (VPC_R)

Peering connections (1) Info	C Actions v	Create peering connection		
Q Filter peering connections			< 1 > (0
Name v Peering connection ID v Status	▼ Requester VPC	Accept	er VPC Rec	quest
VPC Peering A-B pcx-08be2aee95af9b8ad ④ Pending accepta	nce vpc-084ab965d1	91267d9 / V vpc-0a	e4b85927b2c2f7c / VP 10.	100.0
				•

ccept vrc peering connection req			^
re you sure you want to accept this VPC peeri	ng connection request? (pcx-08be2aee95af9b8a	ad / VPC Peering A-B)	
equester VPC	Accepter VPC	Requester CIDRs	
pc-084ab965d191267d9 / VPCA-Pavani	vpc-0ae4b85927b2c2f7c / VPC-B	D 10.100.0.0/16	
ccepter CIDRs	Requester Region	Accepter Region	
	Sydney (ap-southeast-2)	Sydney (ap-southeast-2)	
equester owner ID	Accepter owner ID		
871984970178	D 871984970178		
This account)	(This account)		



Edit routes				
Destination	Target	Status	Propagated	
10.100.0.0/16	Q local X	⊘ Active	No	
Q 10.200.1.0/24 X	Q pcx-08be2aee95af9b8ad X	-	No	Remove
Add route				
			Cancel	Preview Save changes

[ec2-user@ip-10-100-1-236 ~]\$ ^C [ec2-user@ip-10-100-1-236 ~]\$ sudo su [root@ip-10-100-1-236 ec2-user]# ls -ltr total 4 -rwxrwxr-x 1 ec2-user ec2-user 1678 Nov 7 12:18 sydney.pem [root@ip-10-100-1-236 ec2-user]# ssh -i sydney.pem ec2-user@10.200.1.186 Amazon Linux 2 AMI https://aws.amazon.com/amazon-linux-2/ [ec2-user@ip-10-200-1-186 ~]\$ sudo su [root@ip-10-200-1-186 ec2-user]#

or servi	ces, features, blogs, docs, and more		[Alt+S]					<u>ک</u>	Ŷ	• ⑦	Sydi	ney 🔻 🛛 Pava	ani Anant	apalli 🔻
Your	VPCs (1/2) Info							C		Actions	•	Create VI	PC	Ġ
QF	ïlter VPCs											< 1 >	٢	
	Name	∇	VPC ID	∇	State	∇	IPv4 CIDR	⊽		IPv6 CIDR			⊽	
	My-VPC		vpc-020e7a25c8850602	1	⊘ Available		192.168.0.0/16			-				
	-		vpc-0345a6b206e8dbda	0	⊘ Available		172.31.0.0/16			-				

Subr	ets (4/7) Info				C Actions	Create subnet
Q	ilter subnets					< 1 > 💿
	-	subnet-0e79dc3b932914t93	🕑 Available	vpc-0345a6b206e8dbda0	172.31.16.0/20	-
✓	VPC-A-PrvSN1	subnet-0a3646c164a3ed982	⊘ Available	vpc-00d6a70389f19c457 VP	192.168.0.0/24	-
V	VPC-Prv-SN2	subnet-0b7f4ae772ddfb1ea	⊘ Available	vpc-00d6a70389f19c457 VP	192.168.1.0/24	-
	-	subnet-01e3810ee9d07b573	⊘ Available	vpc-0345a6b206e8dbda0	172.31.32.0/20	-
V	VPC-A-PubSN1	subnet-0488ec18056e82da5	⊘ Available	vpc-00d6a70389f19c457 VP	192.168.2.0/24	-
	-	subnet-08ab41ba31bc3a0d4	 Available 	vpc-0345a6b206e8dbda0	172.31.0.0/20	-
<	VPC-A-PubSN2	subnet-0ed1bda9b1120fb12	 Available 	vpc-00d6a70389f19c457 VP	192.168.3.0/24	-

or servic	es, features, blogs, a	locs, an	d more	[Alt+S]			<u>ک</u> ۲	5 (S	Sydney 🔻	Pavani Ananta	apall
⊘ Rout	te table rtb-084b45	ic2eb6c	Of8ea VPC-A-PrvRT was cr	eated s	uccessfully.					×	(
Route	tables (4) Info						C Acti	ons 🔻	Create rout	te table	l
Q Fil	lter route tables								< 1	> ©	
	Name	∇	Route table ID	∇	Explicit subnet associat	Edge associations	Main ⊽	VPC		∇	
	-		rtb-04faa0b0a88195bdf		-	-	Yes	vpc-034	45a6b206e8dbd	la0	
	VPC-A-PrvRT		rtb-084b45c2eb6c0f8ea		-	-	No	vpc-000	d6a70389f19c4	57 VP	
	VPC-A-PubRT		rtb-0ae25723d564e0d10	ł	-	-	No	vpc-000	d6a70389f19c4	57 VP	
	-		rtb-0515add9dd562c817	7	-	-	Yes	vpc-000	d6a70389f19c4	57 VP	
										•	

Services Q Search for ser	rvices, features, blogs, docs,	and more	[Alt+S]			ک ک	O Sydney •	Pavani Anantapalli 🔻
/PC > Route tables > rtb-084b45	5c2eb6c0f8ea 〉 Edit sub	net associations						
	ione							
Eult Subhet associat	lons							
Change which subnets are associated w	ith this route table.							
Available subnets (4)								
Q Filter subnet associations							< 1	> @
□ Name ▼	Subnet ID			∇	IPv6 CIDR	▼ Route table ID		▽
VPC-A-PrvSN1	subnet-0a3646c164a	3ed982	192.168.0.0/24	1	-	Main (rtb-0515add	9dd562c817)	
VPC-Prv-SN2	subnet-0b7f4ae772d	dfb1ea	192.168.1.0/24	1	-	Main (rtb-0515add	9dd562c817)	
VPC-A-PubSN1	subnet-0488ec18056	e82da5	192.168.2.0/24	ŧ	-	Main (rtb-0515add	9dd562c817)	
VPC-A-PubSN2	subnet-0ed1bda9b11	20fb12	192.168.3.0/24	4	-	Main (rtb-0515add	9dd562c817)	
Name v	7 Route table I	D ▼	Explicit subne	t associat	Edge a	ssociations Main	▼ VPC	345a6b206e8db
VPC-A-PrvRT	rtb-084b45c2	2eb6c0f8ea	- 2 subnets		-	No	vpc-0	0d6a70389f19c4
VPC-A-PubRT	rtb-0ae25723	3d564e0d1d	2 subnets		-	No	vpc-0	0d6a70389f19c4
] –	rtb-0515add	9dd562c817	-		-	Yes	vpc-0	0d6a70389f19c4
Services Q Search for services	ces, features, blogs, docs, ai	nd more	[Alt+S]			D Q	⑦ Sydney ▼	Pavani Anantapal
- > Route tables > rtb-uae25725	as64e0a1a > Ealt rout	es						
dit routes								
Destination		Target			Status	Propagated		
192.168.0.0/16		Q local		X	⊘ Active	No		
Q 0.0.0.0/0	X	Q igw-0685ed7e	acbb39940	X	-	No	Remove]
Add route								

ervices, features, blogs, docs, and more sg-0064e97beda2bd8	^[Alt+S] ef - VPC-A-SG) 4 0	Sydney ▼ Pavani Anantapalli ▼ Actions ▼
Details				
Security group name D VPC-A-SG	Security group ID	Description Description	VPC ID	16b206e8dbda0 🔀
Owner 🗗 871984970178	Inbound rules count 3 Permission entries	Outbound rules count 0 Permission entries		
Inbound rules Outbound rules	Tags			
(i) You can now check network connecti	vity with Reachability Analyzer		Run Reacha	bility Analyzer X
Inbound rules (3)		[C Manage tags	Edit inbound rules
Q Filter security group rules				< 1 > 🕲
□ Name ▼ Sect	urity group rule $ abla$ IP version	⊽ Туре	▼ Protocol	▼ Port range
sgr-	05f3e211664df493f IPv4	All ICMP - IPv4	ICMP	All
🗌 – sgr-	041f1110fc849c31a IPv4	SSH	TCP	22
_ – sgr-	0d82cc7a96f8ba430 IPv4	All TCP	ТСР	0 - 65535
for services, features, blogs, docs, and more	[Alt+S]		D \$	⑦ Sydney ▼ Pavani Anantapalli
Instances (2) Info		C Connect Instance	e state ▼ Actions ▼	Launch instances
Q Find instance by attribute or tag (case-	sensitive)			< 1 > ⊚
□ Name ▼ Instance ID	Instance state v	Instance type v Status cl	heck Alarm status	Availability Zone ▼ Public
EC2A-PubSN i-046202e79	6d7bb21d ⊘Running @Q	t2.micro Q 2/2 cl	hecks passed No alarms 🕂	ap-southeast-2b –
EC2-A-PrvSN1 i-Occb901ee9	b4d8eaf ⊘Running @Q	t2.micro –	No alarms 🕇	ap-southeast-2b –

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Windows\system32> cd C:\Users\Murty\Downloads\Sydney
PS C:\Users\Murty\Downloads\Sydney> ssh -i "Sydney.pem" ec2-user@54.252.243.112
ssh: connect to host 54.252.243.112 port 22: Connection timed out
PS C:\Users\Murty\Downloads\Sydney>
PS C:\Users\Murty\Downloads\Sydney> ping 54.252.243.112
Pinging 54.252.243.112 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 54.252.243.112:
   Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PS C:\Users\Murty\Downloads\Sydney>
```

64 bytes from 192.168.0.239: icmp_seq=98 ttl=255 time=0.544 ms 64 bytes from 192.168.0.239: icmp_seq=99 ttl=255 time=0.534 ms 64 bytes from 192.168.0.239: icmp_seq=100 ttl=255 time=0.483 ms ^C --- 192.168.0.239 ping statistics ---100 packets transmitted, 100 received, 0% packet loss, time 101272ms rtt min/avg/max/mdev = 0.424/0.556/2.664/0.292 ms [root@ip-192-168-2-182 ec2-user]#

-- 192.168.0.239 ping statistics ---.00 packets transmitted, 100 received, 0% packet loss, time 101272ms tt min/avg/max/mdev = 0.424/0.556/2.664/0.292 ms root@ip-192-168-2-182 ec2-user]# ssh ec2-user@192.168.0.239 The authenticity of host '192.168.0.239 (192.168.0.239)' can't be established. CDSA key fingerprint is SHA256:M8HskxuhTh+GO0FRaegUASEMybP2QGg/DB2DNq3vx18. CDSA key fingerprint is MD5:82:a1:13:ea:ea:64:71:07:ae:a0:4e:a4:40:cf:a1:6f. Are you sure you want to continue connecting (yes/no)? yes larning: Permanently added '192.168.0.239' (ECDSA) to the list of known hosts. Permission denied (publickey,gssapi-keyex,gssapi-with-mic). root@ip-192-168-2-182 ec2-user]#

PS C:\Users\Murty\Downloads\Sydney> <mark>scp</mark> -i./sydney.pem -r ./sydney.pem ec2-user@3.25.77.103:/home/ec2-user sydney.pem PS C:\Users\Murty\Downloads\Sydney>

```
ware you sure you want to contribut connecting (yes/ho)? yes
larning: Permanently added '192.168.0.239' (ECDSA) to the list of known hosts.
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[root@ip-192-168-2-182 ec2-user]# ls -l
total 0
[root@ip-192-168-2-182 ec2-user]# ls
sydney.pem
[root@ip-192-168-2-182 ec2-user]# _
```

-- 192.168.0.239 ping statistics ---00 packets transmitted, 100 received, 0% packet loss, time 101272ms rtt min/avg/max/mdev = 0.424/0.556/2.664/0.292 ms [root@ip-192-168-2-182 ec2-user]# ssh ec2-user@192.168.0.239 The authenticity of host '192.168.0.239 (192.168.0.239)' can't be established. CDSA key fingerprint is SHA256:M8HskxuhTh+GO0FRaegUASEMybP2QGg/DB2DNq3vx18. CDSA key fingerprint is MD5:82:a1:13:ea:ea:64:71:07:ae:a0:4e:a4:40:cf:a1:6f. Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added '192.168.0.239' (ECDSA) to the list of known hosts. Permission denied (publickey,gssapi-keyex,gssapi-with-mic). root@ip-192-168-2-182 ec2-user]# ls -1 total 0 root@ip-192-168-2-182 ec2-user]# ls sydney.pem root@ip-192-168-2-182 ec2-user]# ls -1 total 4 rw-rw-r-- 1 ec2-user ec2-user 1678 Oct 22 20:59 sydney.pem root@ip-192-168-2-182 ec2-user]# chmod 700 sydney.pem root@ip-192-168-2-182 ec2-user]# ls -1 total 4 rwx----- 1 ec2-user ec2-user 1678 Oct 22 20:59 sydney.pem root@ip-192-168-2-182 ec2-user]# ssh -i sydney.pem ec2-user@192.168.0.239 __| __|_) _| (/ Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/ ec2-user@ip-192-168-0-239 ~]\$

for se	ervices, features, blog	gs, docs, ani	d more [Alt+S]				2	æ	0	Sydney	•	Pava	ni Ananta	palli 🔻
NA	T gateways (1/	'1) Info						C Act	ions	•	Create N	IAT g	atew	ay	١
C	Filter NAT gateway	ys									<	1	>	۲	
	Name	∇	NAT gateway ID	⊽	Connectivit ⊽	State	∇	State message	⊽	Elast	ic IP addr	ess	▽	Privat	t
0	MyNatGW		nat-002fc81c9fa38f8e9		Public	⊘ Available		-		3.24.	96.248			192.1	
														•	

VPC > Route tables > rtb-084b45c2eb6c0f8ea			
rtb-084b45c2eb6c0f8ea / VPC-A-PrvRT			
You can now check network connectivity with Reachability Analyzer			Run Reachability Analyzer X
Details Info			
Route table ID Trtb-084b45c2eb6c0f8ea VPC vpc-00d6a70389f19c457 VPC-A	Main D No Owner ID D 871984970178	Explicit subnet associations 2 subnets	Edge associations –

https://aws.amazon.com/amazon-linux-2/ [ec2-user@ip-192-168-0-203 ~]\$ sudo su [root@ip-192-168-0-203 ec2-user]# ping google.com PING google.com (142.250.66.206) 56(84) bytes of data. ^C --- google.com ping statistics ---103 packets transmitted, 0 received, 100% packet loss, time 104427ms

