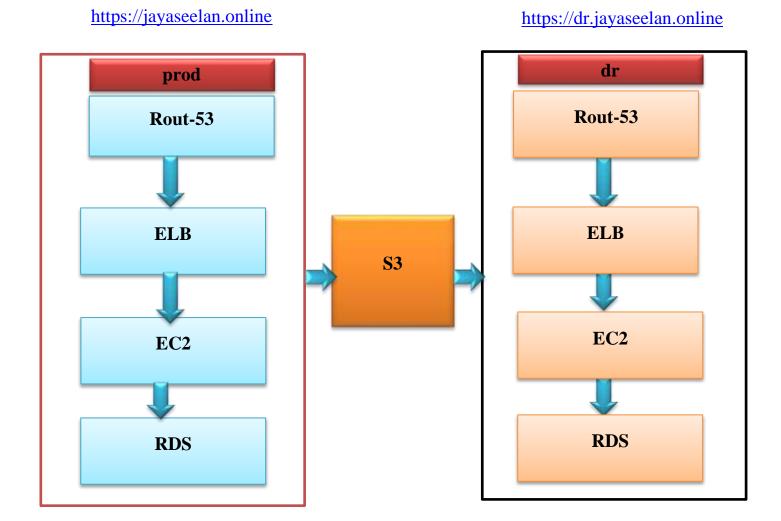
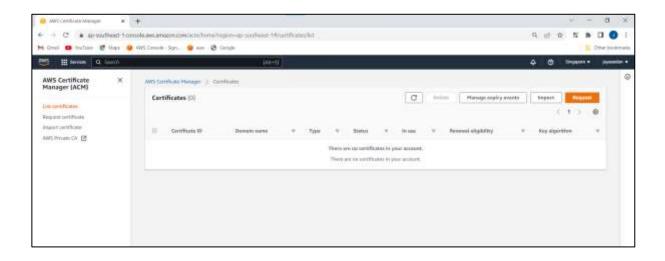
Disaster recovery

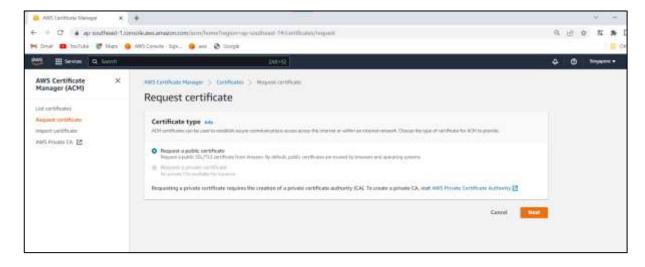
Created a disaster recovery in two different region and developed a application using Word press to continuous sync using S3, if any one server is failed due to some disaster one will be up and running.

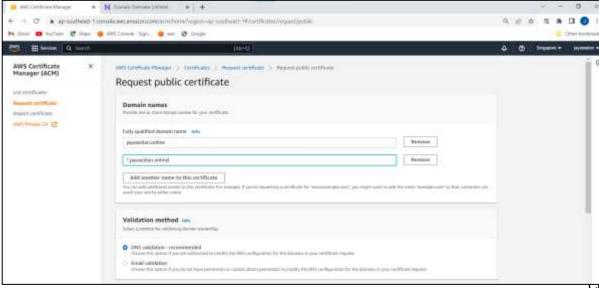


Step1:create certificate

Certification manager--->request---->Request a public certificate--->next--->domain name(jayaseelan.online)---->add another name certificate(*.jayaseelan.online)---->dns vailidiation---->request.

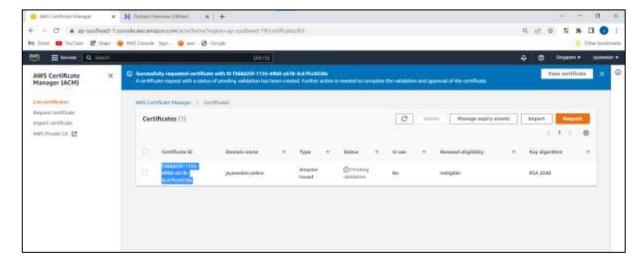






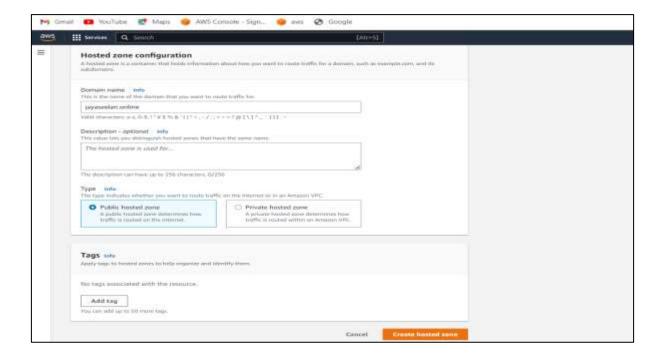
confidential C

Certificate created--->status(pending)---->wait 20 min for active

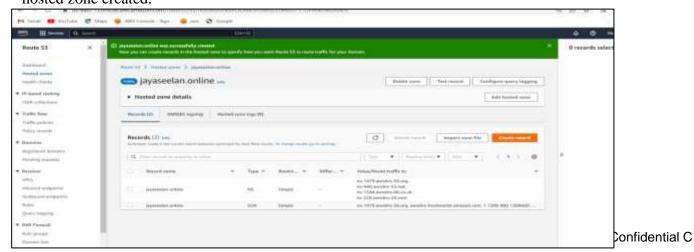


Step2:create hosted zone

Domain name(jayaseelan.online)---->public hosted zone---->create hosted zone

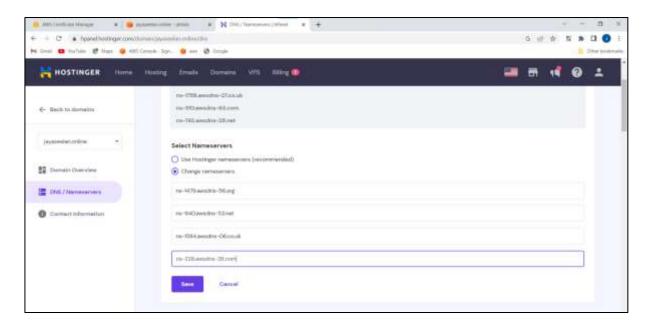


hosted zone created.

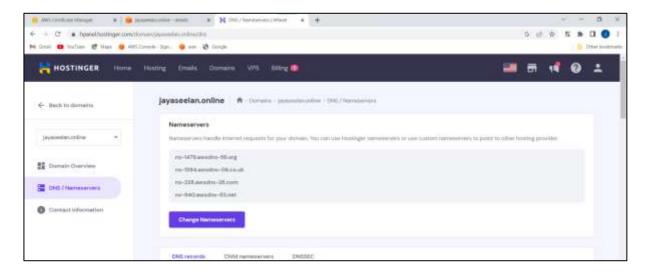


Step2.1:change nameserver

Hosted zone--->hosted zone details--->shown 4 nameserver --->copy and put hostinger dns nameserver--->save

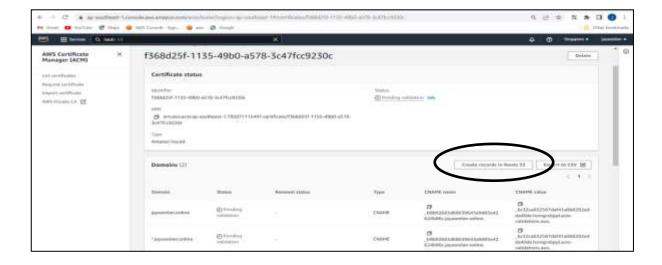


Name server changed.

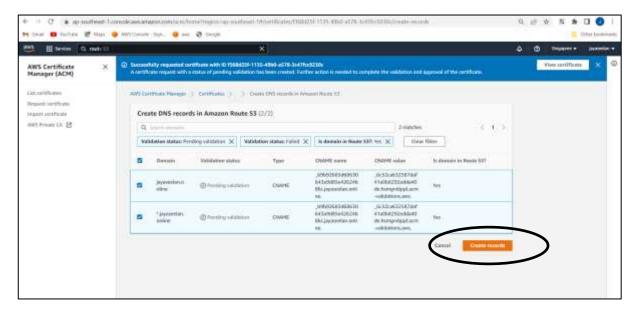


Step3:create record using certificate manager

Certification manager--->click certification id--->create record in route-53--->

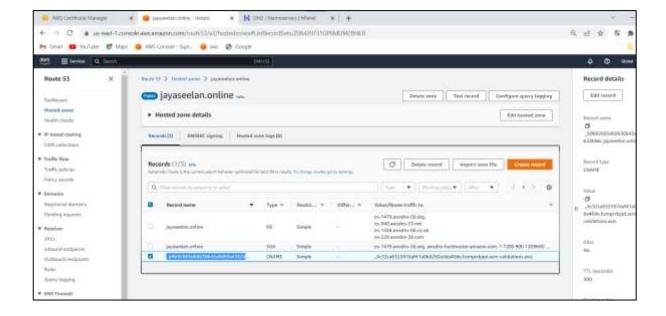


click create records



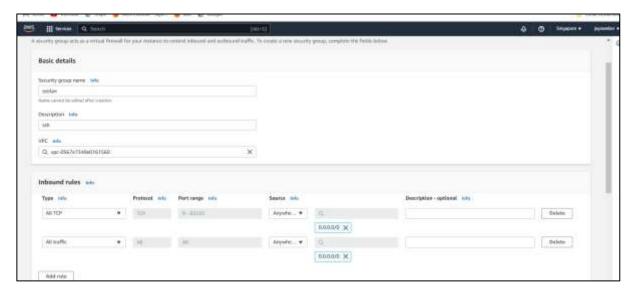
Check hosted zone **CNAME** record added.

C---->canonical

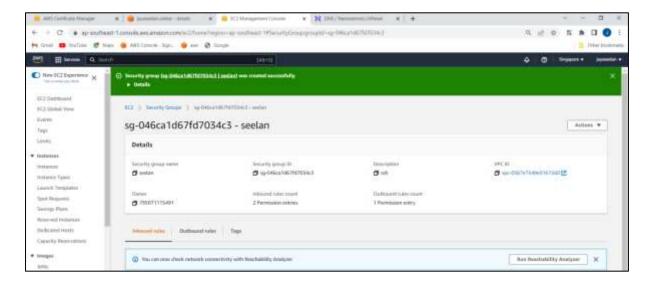


Step4:create security group

Ec2--->create security group--->name(seelan)---->inbound rule(all tcp & all traffic)--->anywhwre ipv4--->create security group..

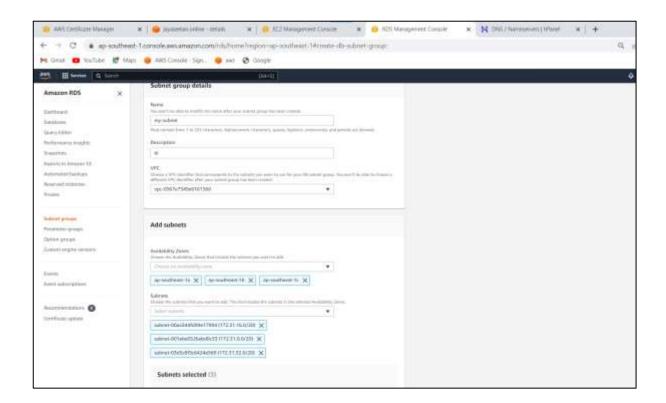


Security group created.

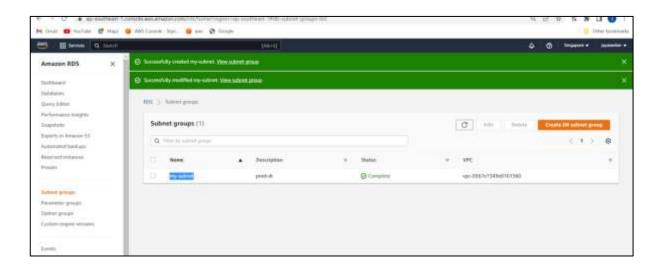


Step5:create subnet group

RDS--->Create DB Subnet Group--->name(my-subnet)--->select default vpc--->select 3 zones---->select 3 subnet--->create.

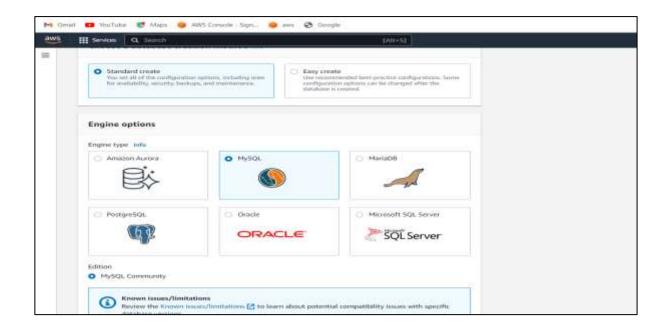


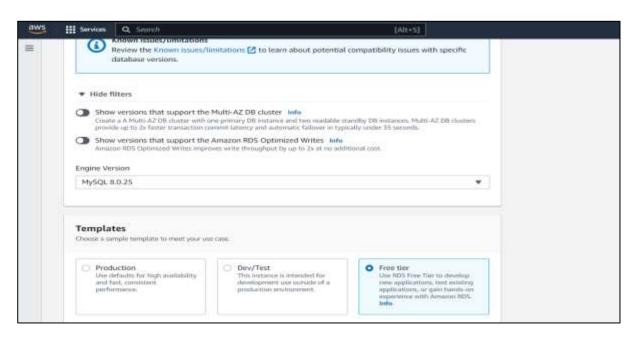
Subnet group created..

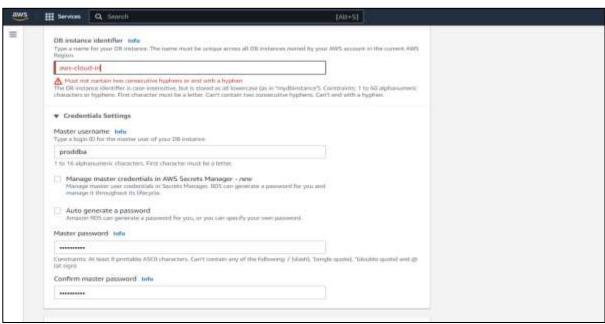


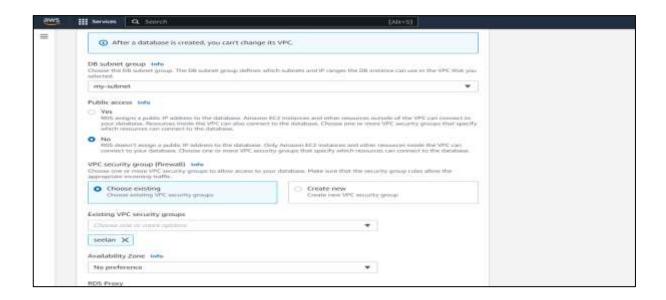
Step6:create prod database

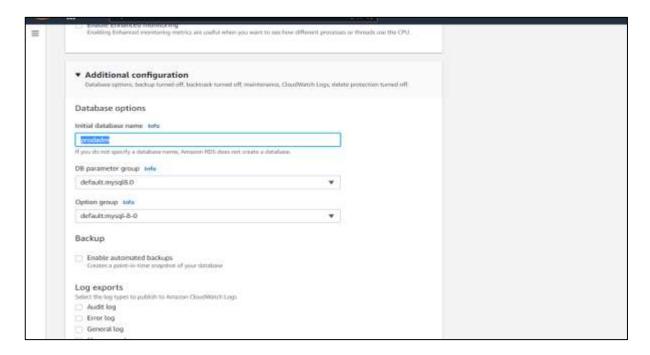
RDS---->Databse---->Create database--->standard create---->engine type(mysql)--->Engine Version(8.0.25)---->free tier--->put identifier name(aws-cloud-im)--->username(proddba)---->password(prodadm123)---->t2.micro--->autoscalling remove---->security group select--->select availability zone--->additional configuration--->initial databse name(prodadm)--->remove backup and maintanace--->create database



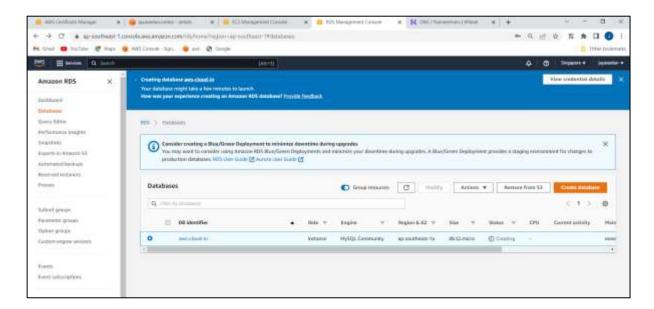






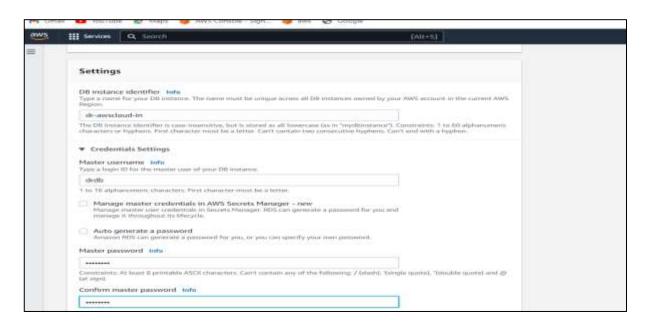


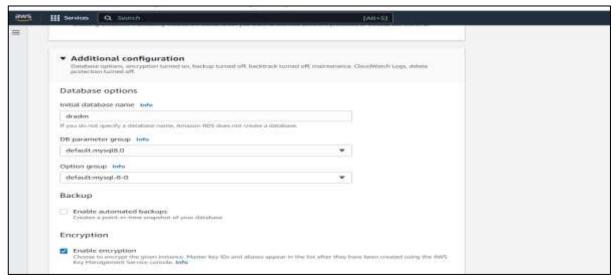
Prod database created...



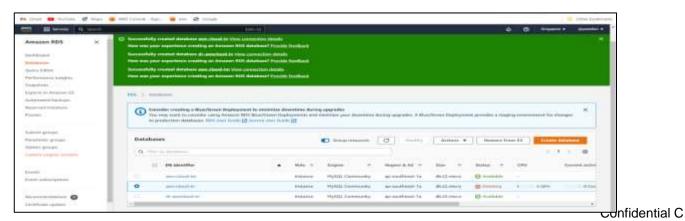
Step7:create dr database

RDS---->Databse---->Create database--->standard create---->engine type(mysql)--->Engine Version(8.0.25)---->free tier--->put identifier name(dr-awscloud-in)--->username(drdb)---->password(dradm123)---->t2.micro--->autoscalling remove---->security group select---> select availability zone--->additional configuration--->initial databse name(dradm)--->remove backup and maintanace--->create database..



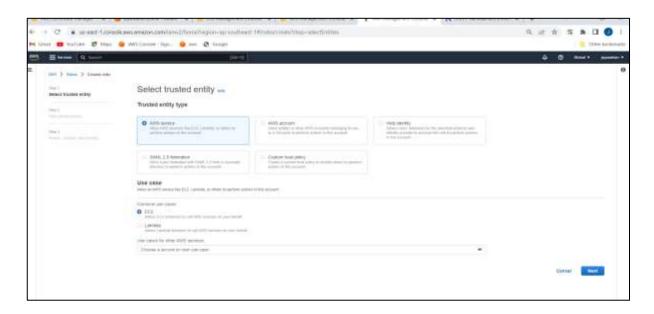


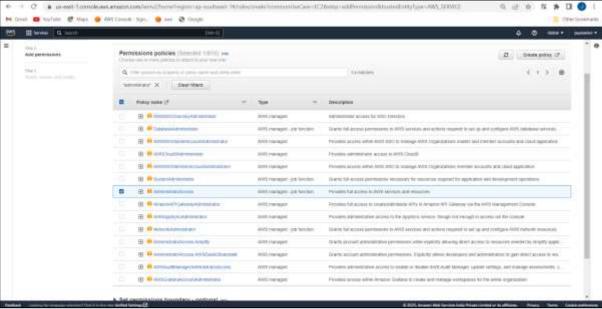
database created.



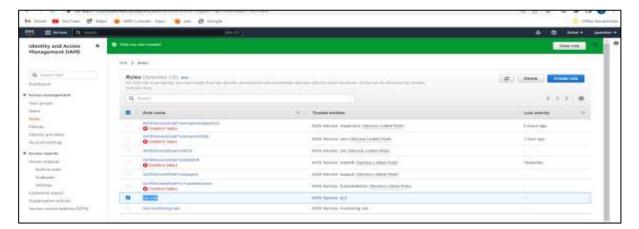
Step8:creat role

Iam--->create role--->Aws service--->Ec2---->next--->attach policy(administration full acces)--->next--->role name(my-role)--->create role



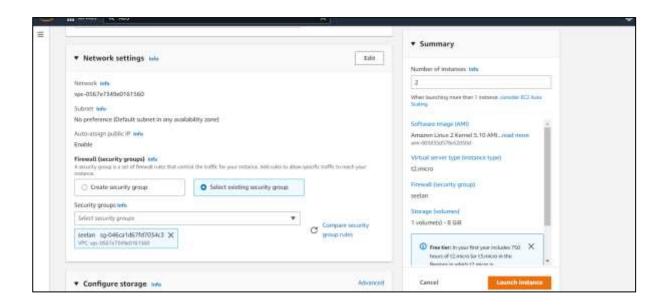


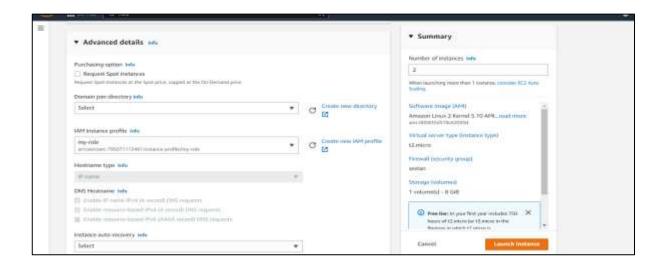
Role created..

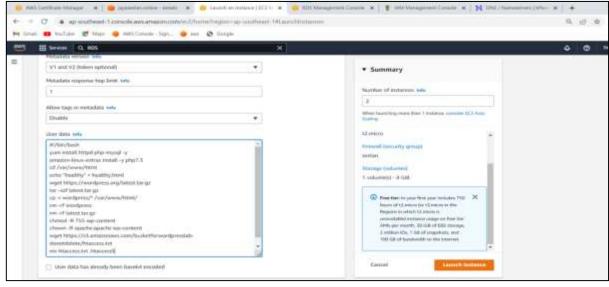


Step9:create at a time prod and dr server

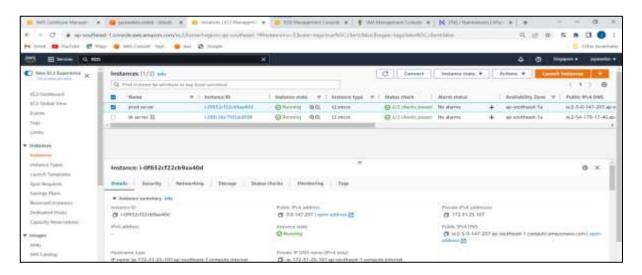
Ec2--->amazon linux--->key pair--->select before created security group ---->advanced--->iam role attach---->user data(copy content)---->launch instance.



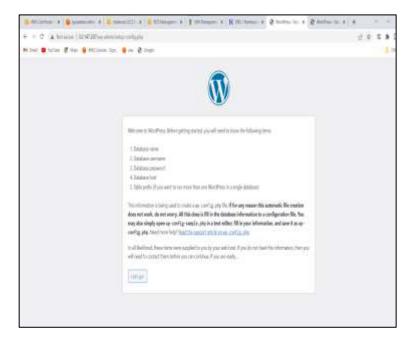


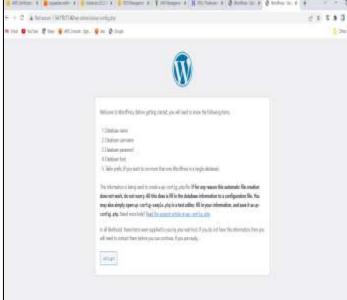


Prod and Dr server created.



Now copy public ip and put chrome for two server--->it will show wordpress page





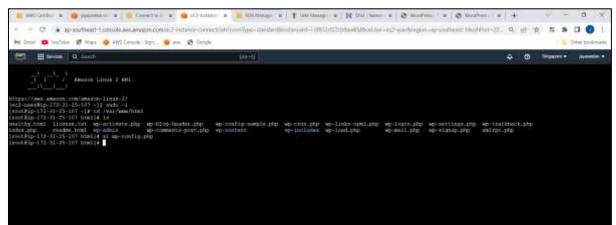
Step10: prod server worldpres---->lets go--->database name(prodadm)--->username(proddba)---->password(prodadm123)--->database host(prod database endpoint cop:3306)---->submit

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		(1))		
	Selvic you should se	ter year database contraction details. If yo	is are not save about these, contact your heat.		
	Database Name	prostades	The name of the distallace you want to use with WordPress.		
	Usename	proddba	Your database username.		
	Password	prodadm123	Your database password.		
	Database Host	ed-Ledsawamnais.com/3306	You should be able to get this info from your web high. Flocal host does not work.		
	Table Prefts	wp_	If you want to run multiple WordFress. Installations in a single database, change this.		
	Francisco (
	Salarit				

Submit.

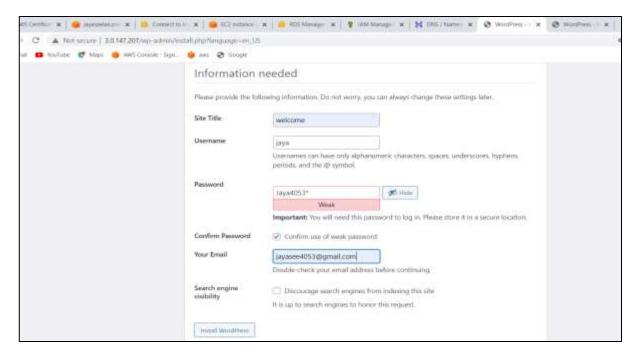


 $\begin{tabular}{l} \bf Step 10.1: connect\ prod\ server---> change\ root\ account (sudo\ -i)----> cd\ /var/www/html----> vi\ wp-config.php(copy\ word\ press\ page)--> save \end{tabular}$



Run The Instalation

Site title--->user name--->password---->confirm password--->mail id--->install wordpress

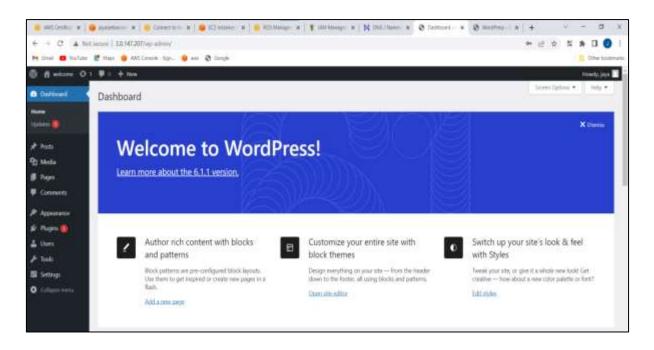


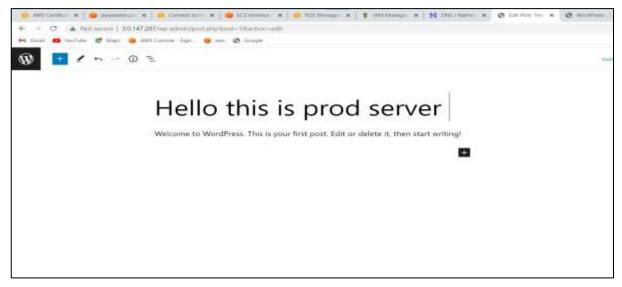


Now login use username and password



Wordpress home page ---->posts--->edit(hello this is prod server)--->update



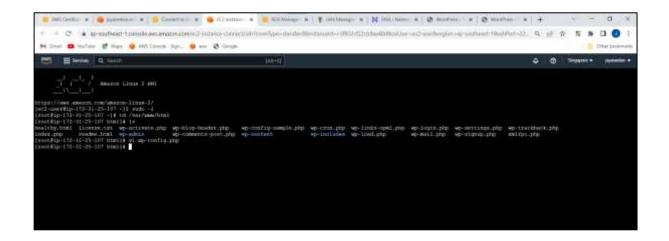


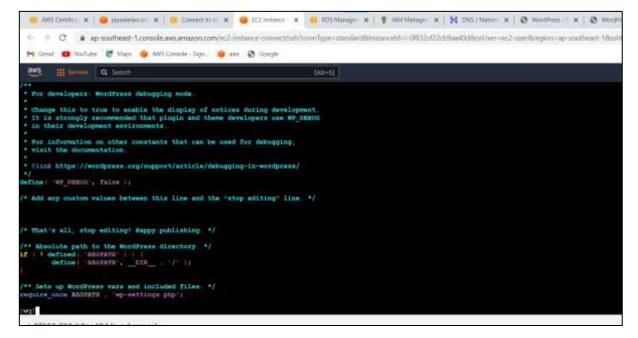
Step10.2:dr server worldpres---->lets go--->database name(dradm)--->username(drdb)---->password(dradm123)--->database host(prod database endpoint cop:3306)---->submit

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		(A)	/					
	Selow you should enti-	er your database connection details. If yo	su are not sure about these, contact your host.					
	Database Name	dradm	The name of the database you went to use with WordFrees.					
	Usemanie	uhob	Your determine commerce.					
	Password	dradm123	Your distabase password					
	Detabuse Host	dr-aencloud-incycvo/18/mcap	You should be able to get this into from your well hant if I as althout does not work.					
	Table Prefix	Wp_	If you want to not multiple Wordfree installations in a single database, change this					
	fatest		15 15					
	Taken							

Unable to write to up-conflig.php file.		
You can create the up-conFig.php file manually and paste the following text into it.		
Configuration rules for wp-config.php:		
The base configuration for warefress The sp-configuration for warefress The sp-configuration script uses this file during the installation. You don't have to use the web site, you can copy this file to "wp-configuration" and fill in the values. This file contains the following configurations: * Outdoor settings * Secret keys	İ	
* * Natahasa tahis profix		
A CONTRACTOR OF THE CONTRACTOR	14	
After you've done that, click "Run the installation",		
After you've done that, click "Run the installation",		

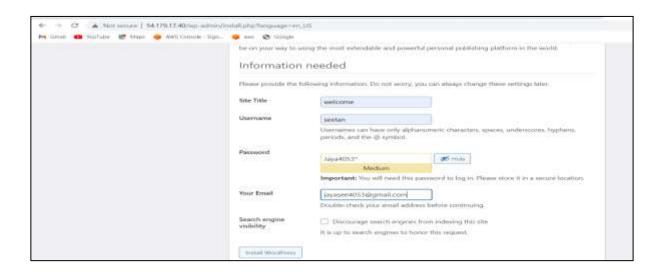
 $\textbf{Step10.3:} connect \ dr \ server---> change \ root \ account (sudo -i)----> cd \ /var/www/html----> vi \ wp-config.php(copy \ word \ press \ page)--> save$





Run The Instalation

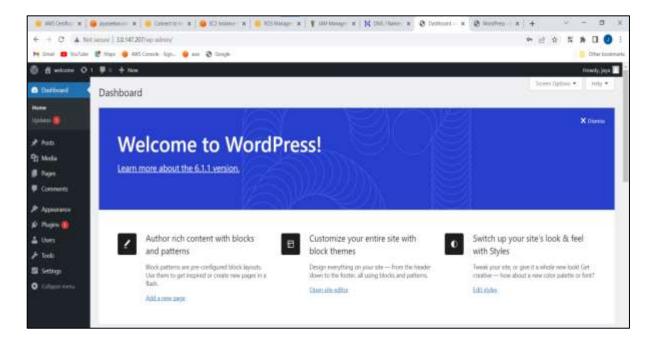
Site title--->user name--->password---->confirm password--->mail id--->install wordpress

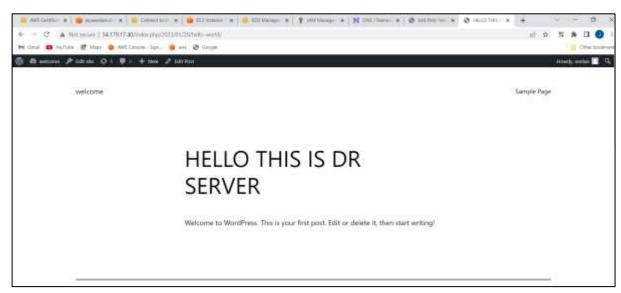


LOGIN

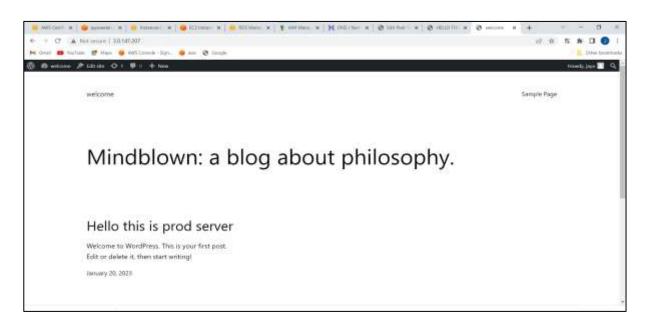


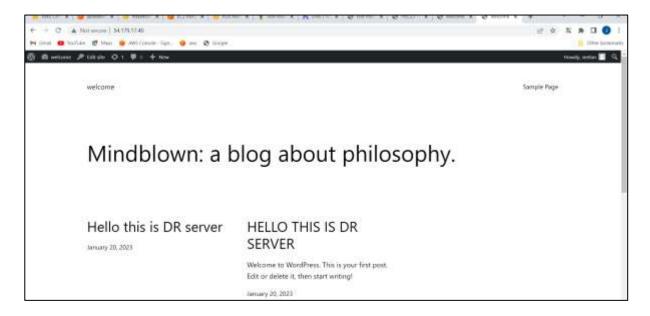
Wordpress home page ---->posts--->edit(hello this is DR server)--->update





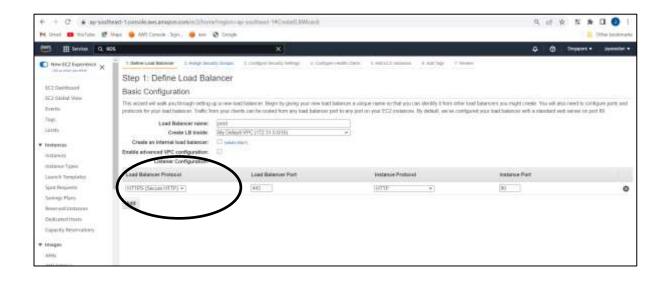
Now Both Server Public Ip Copy And Put Chrome

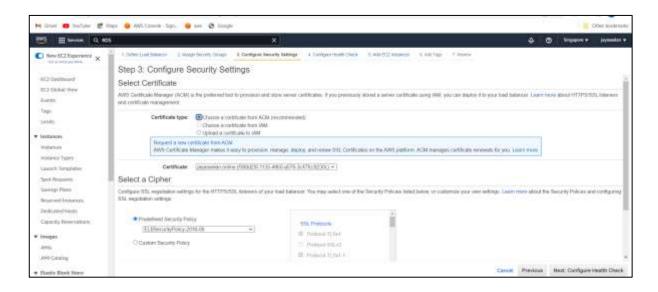


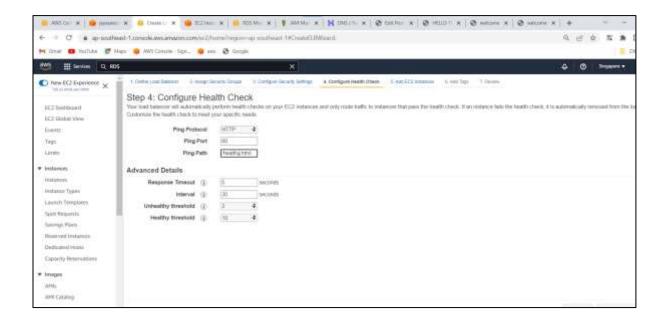


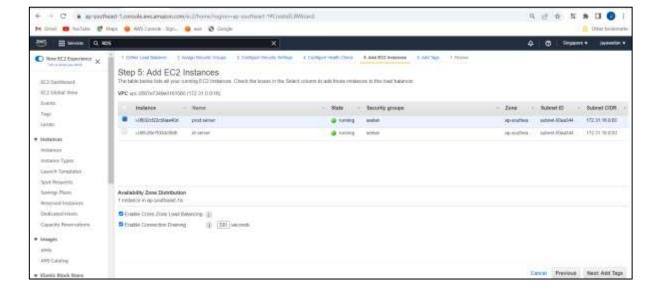
Step11:Create Load Balancer For Prod Server

EC2---->Creat load balancer--->classic load balancer--->name(prod)---->load balancer protocall(https)---->next--->selectcreated security security group--->select certificate(Choose a certificate from ACM)--->it show certificate--->next--->configure health check(healthy.html)---->add ec2 instance(prod server select)--->next--->review and create--->create.

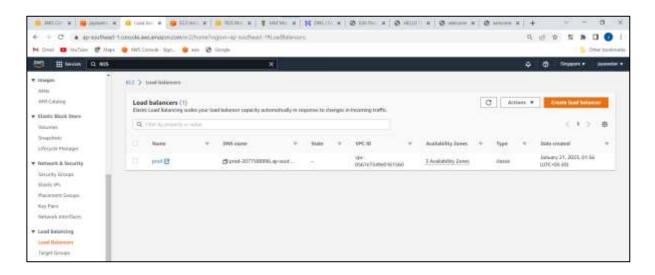






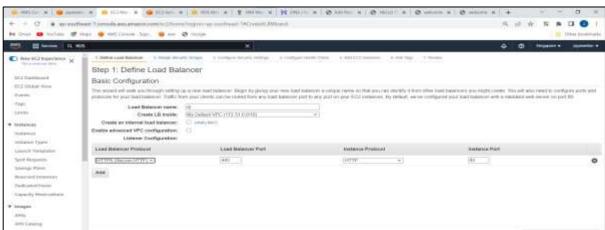


Prod server load balancer created..

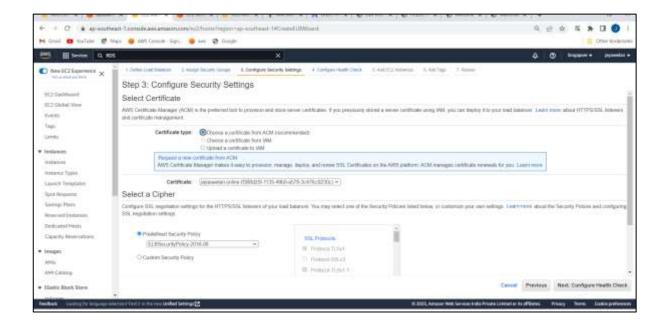


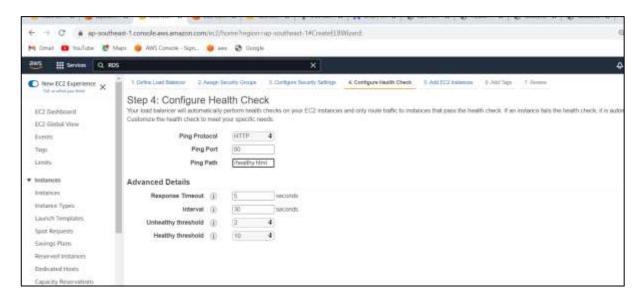
Step12:Create Load Balancer For Dr Server

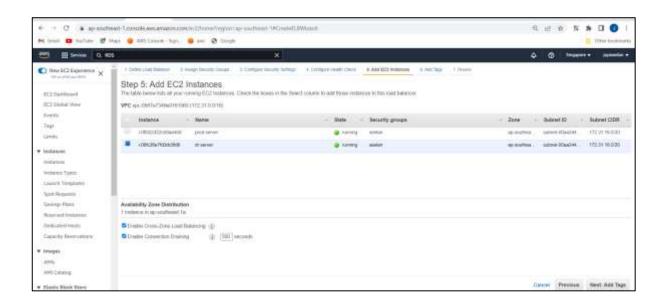
EC2---->Creat load balancer--->classic load balancer--->name(dr)---->load balancer protocall(https)--->next--->selectcreated security group--->select certificate(Choose a certificate from ACM)--->it show certificate--->next--->configure health check(healthy.html)---->add ec2 instance(dr server select)--->next--->review and create--->create.



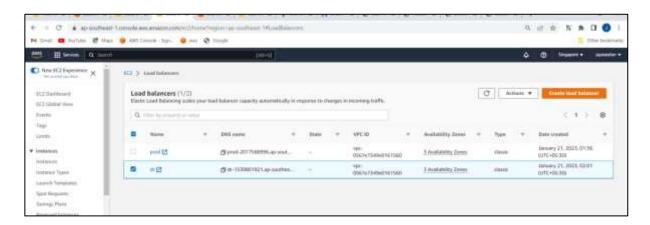
onfidential C





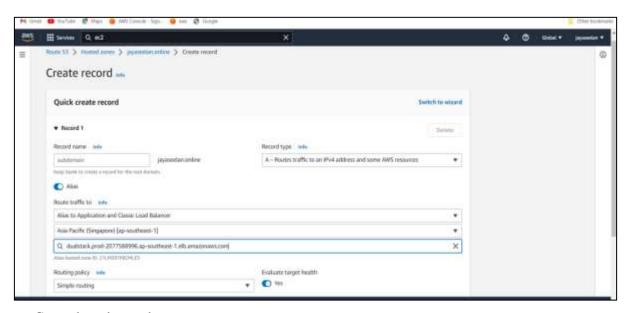


Dr server load balancer created..

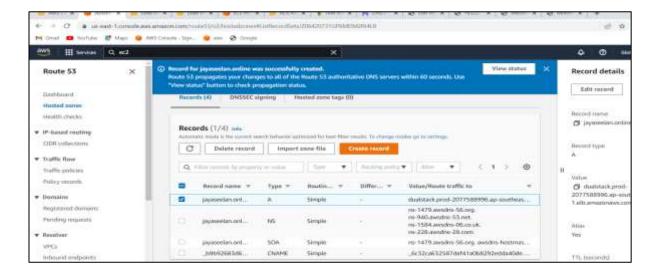


Step13:create record for prod load balancer

Rout-53 --->jayaseelan.online ---->create record--->allias--->rout traffic to(application and classic load balancer)--->select region--->select prod load balancer--->simple routing---->creating record.

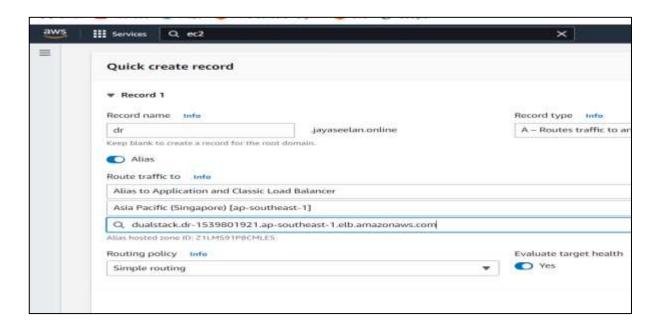


Created prod record..

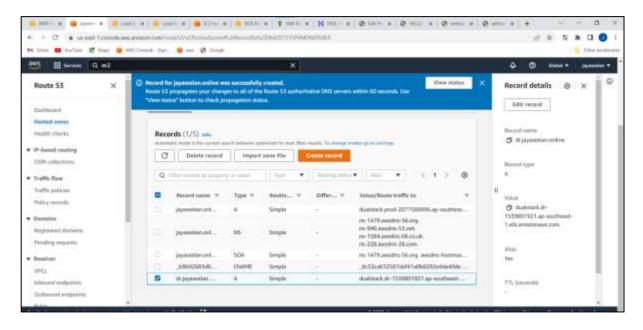


Step14:create record for dr load balancer

Rout-53 --->jayaseelan.online ---->create record--->subdomain(dr)--->allias--->rout traffic to(application and classic load balancer)--->select region--->select dr load balancer--->simple routing---->creating record.



Created dr record..



Now check https://jayaseelan.online put chrome



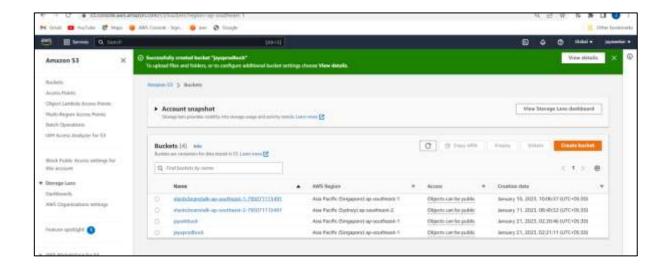
Now check https://jayaseelan.online put chrome



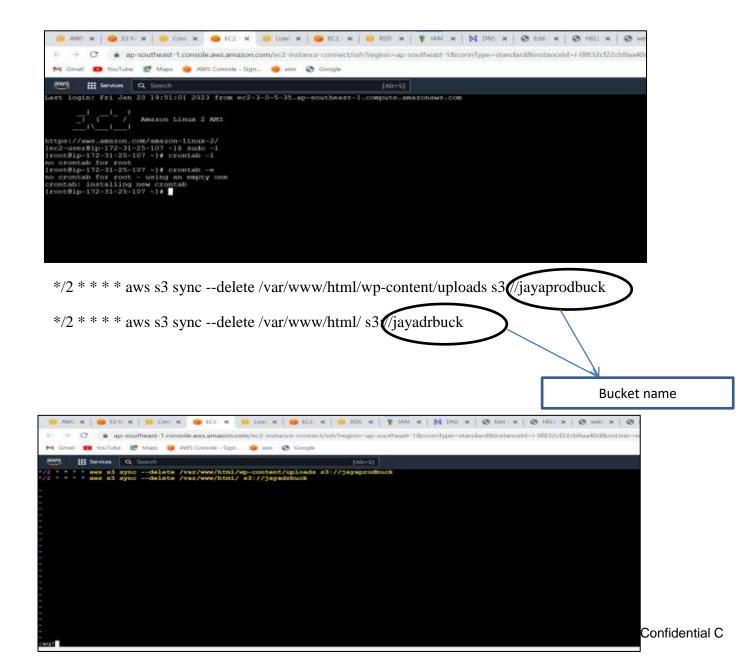
Step15:create two bucket

- S3--->1.create bucket--->name(jayaprodbuck)--->acl enable--->public acces--->create bucket
 - 2. create bucket--->name(jayadrbuck)--->acl enable--->public acces--->create bucket

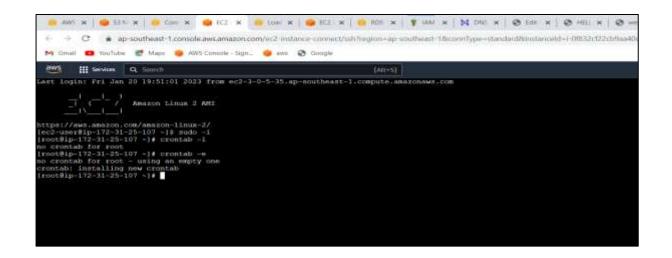
Two buckets created..



Step15.1:prod server connect--->add crontab--->crontab -e(add and edit)

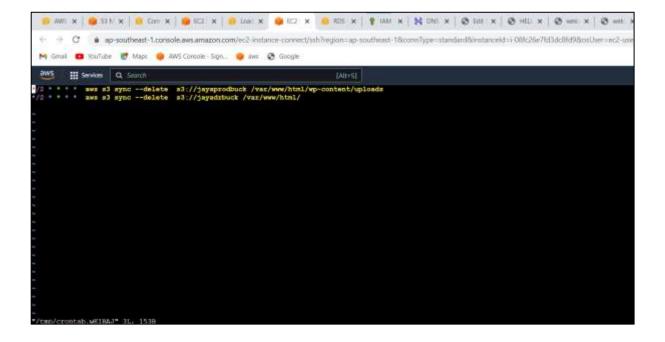


Step15.2:dr server connect--->add crontab--->crontab -e(add and edit)



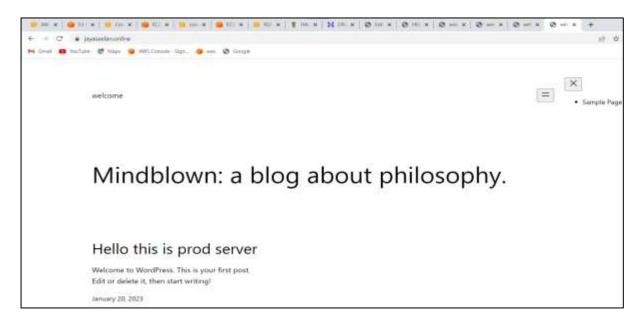
*/2 * * * * aws s3 sync --delete s6://jayaprodbuck/var/www/html/wp-content/uploads
*/2 * * * * aws s3 sync --delete s6://jayadrbuck/var/www/html/

Bucket name

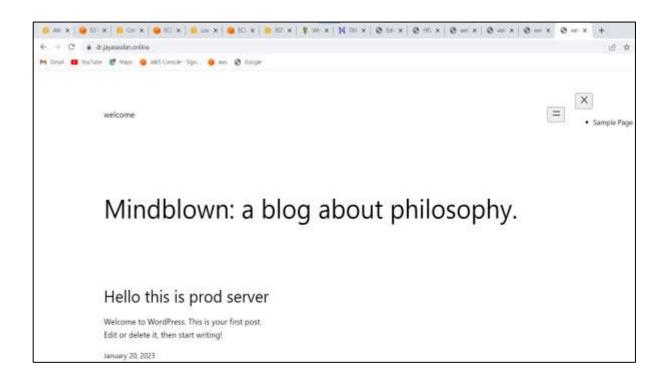


Now check https://jayaseelan.online put chrome

https://jayaseelan.online



https:dr.//jayaseelan.online



It work successfully..