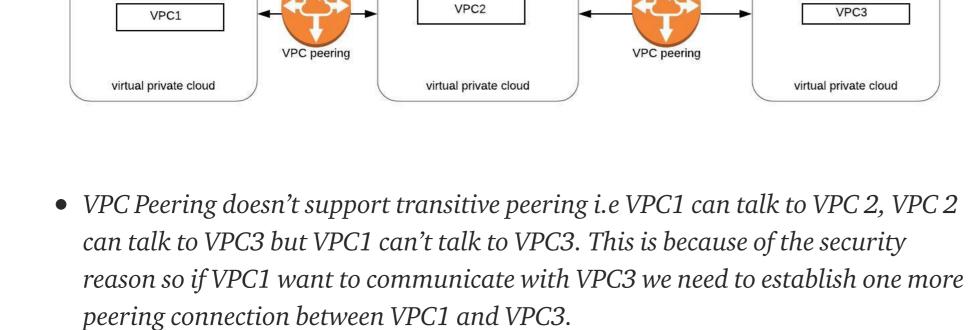
100 Days of DevOps — Day 31-Introduction to

Welcome to Day 31 of 100 Days of DevOps, Focus for today is VPC Peering

- them, the best way to do that with the help of VPC Peering • VPC Peering connection is a networking connection between two VPCs that allow
- us to route traffic between them using private IPv4 addresses.
- Instances in either VPC can communicate with each other as if they are part of the same network • AWS uses the existing infrastructure of a VPC to create a VPC peering connection
- It's neither a gateway nor a VPN connection and doesn't rely on a separate piece of physical hardware
- There is no single point of failure or a bandwidth bottleneck i.e bandwidth between instances in peered VPC is no different than bandwidth between instances in the same VPC.



- Once VPC Peering is established instance in two VPC can communicate with each other using Private IP(no need to communicate via Internet Gateway) • Inter-region VPC is supported • VPC Peering is even supported between two different accounts
- Make sure there is no over-lapping IP between two VPC's

0

- C

Go to your VPC Dashboard and look for Peering Connections \rightarrow Create Peering

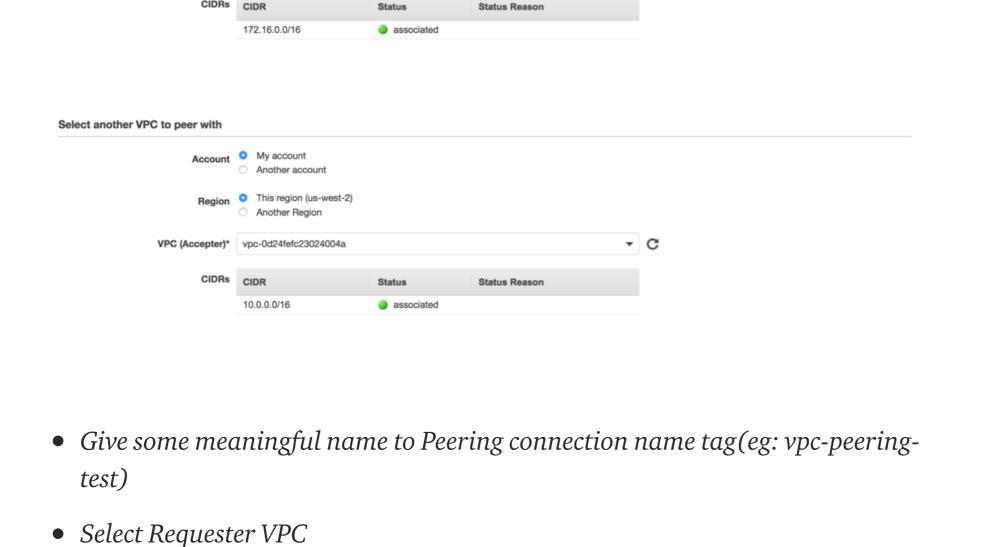
Create Peering Connection

Select a local VPC to peer with

Peering connection name tag vpc-peering-test

vpc-020e5ef5ff21c4421

- Connection



• Select Acceptor VPC(As you can see Acceptor VPC has complete different CIDR region, as overlapping CIDR is not supported)

different account as well as between different region

• As mentioned in the first part of the series, we can create VPC Peering between

Even I am creating VPC Peering between the same account, I still need to accept

connection

Edit routes

Destination

172.16.0.0/16 0.0.0.0/0

* Required

2

3

4

5

9

10

- peering connection

Route Tables > Edit routes

Target

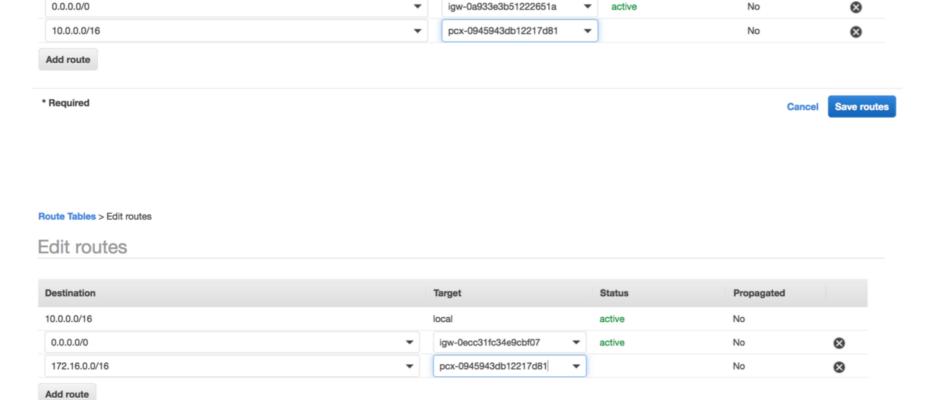
igw-0a933e3b51222651a

Status

Propagated

Save routes

• The final step is to update the individual VPC route table with the peering



6 tags { Name = "my-vpc-peering" 8

}

Terraform Code

vpc_id

auto_accept = true

resource "aws_vpc_peering_connection" "test-vpc" {

= "\${var.primary_vpc_id}"

peer_vpc_id = "\${var.secondary_vpc_id}"

```
resource "aws_route" "vpc1-to-vpc2" {
 11
 12
       route_table_id
                          = "${var.vpc1_route_id}"
       destination_cidr_block = "${var.vpc2_cidr_block}"
 13
       vpc_peering_connection_id = "${aws_vpc_peering_connection.test-vpc.id}"
 15 }
 16
     resource "aws_route" "vpc2-to-vpc1" {
       route_table_id
                         = "${var.vpc2_route_id}"
 18
 19
       destination_cidr_block = "${var.vpc1_cidr_block}"
       vpc_peering_connection_id = "${aws_vpc_peering_connection.test-vpc.id}"
 20
 21 }
 vpc_peering.tf hosted with ♥ by GitHub
                                                                               view raw
Looking forward from you guys to join this journey and spend a minimum an hour
every day for the next 100 days on DevOps work and post your progress using any of
the below medium.
 • Twitter: <u>@100daysofdevops</u> OR <u>@lakhera2015</u>
 • Facebook: https://www.facebook.com/groups/795382630808645/
```

Reference

D-day is just one day away and finally, this is a continuation of the post(I posted a month

• Slack: https://devops-myworld.slack.com/messages/CF41EFG49/

• *Medium:* <u>https://medium.com/@devopslearning</u>

• *GitHub Link:https://github.com/100daysofdevops*

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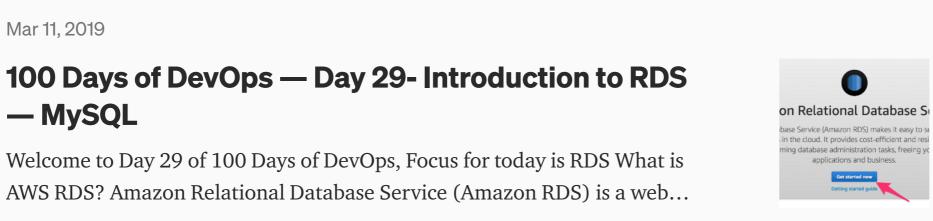
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ibe-scheduled-ins ibe-reserved-inst ibe-fleet-instanc

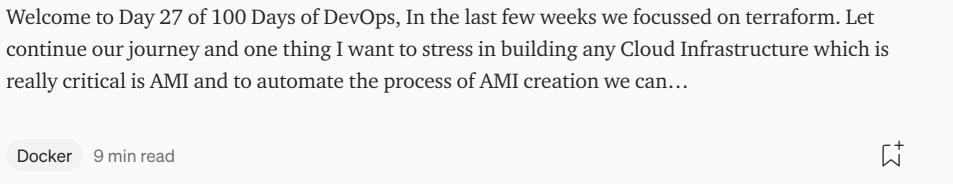
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logs What are VPC Flow logs? It comprised of IP traffic information These... \Box AWS 4 min read

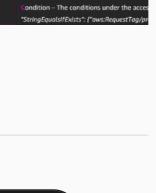
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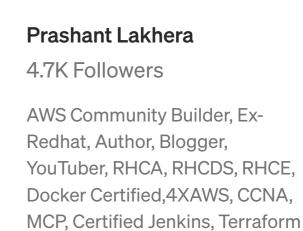
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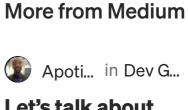


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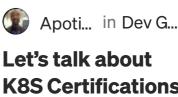


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