

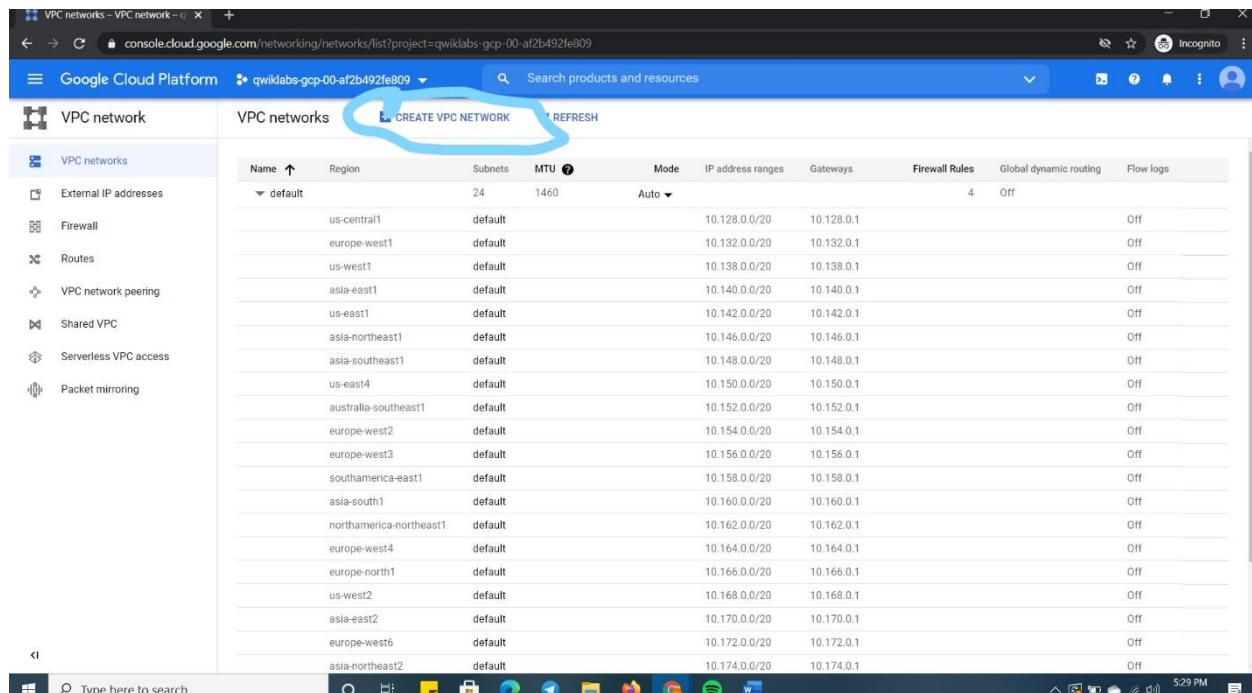
## Case Study – 3

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### Solution:

As per roger's requirement frank need to create 2 vpc network and from those 2 one vpc should create by cidr block from rfc1918 and another one create with pre defined cidr block, and have to create a new firewall rule to enable http

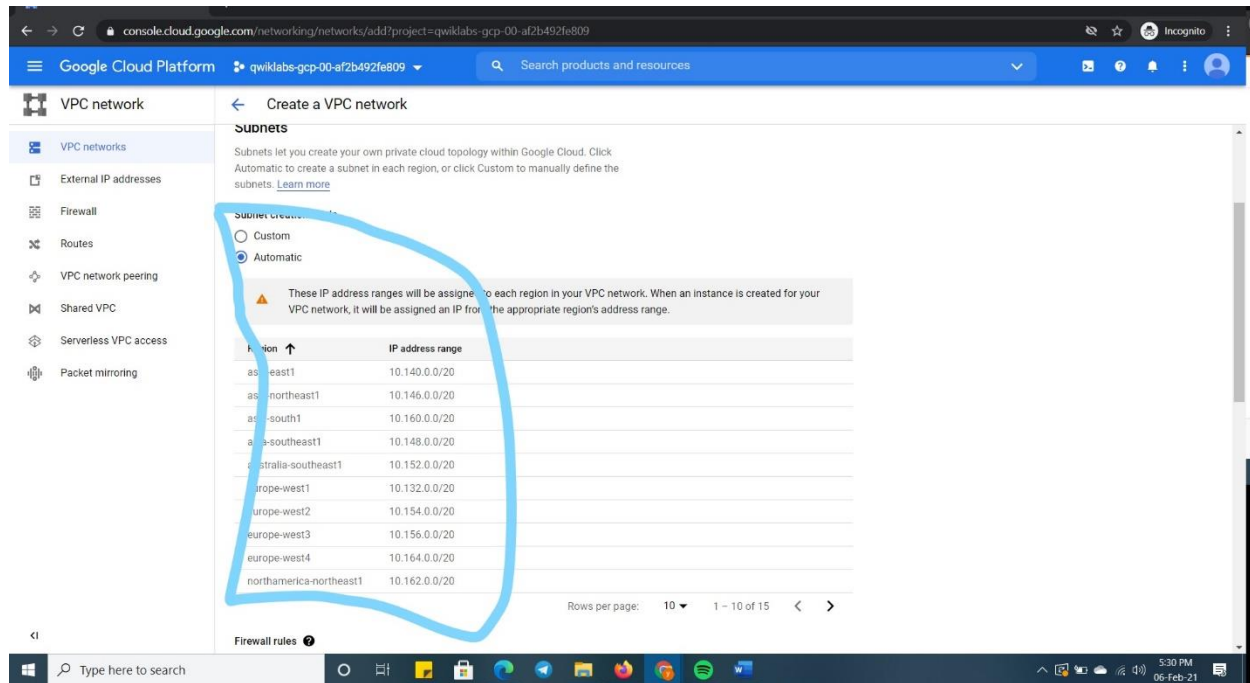
### Step 1 Create new vpc network



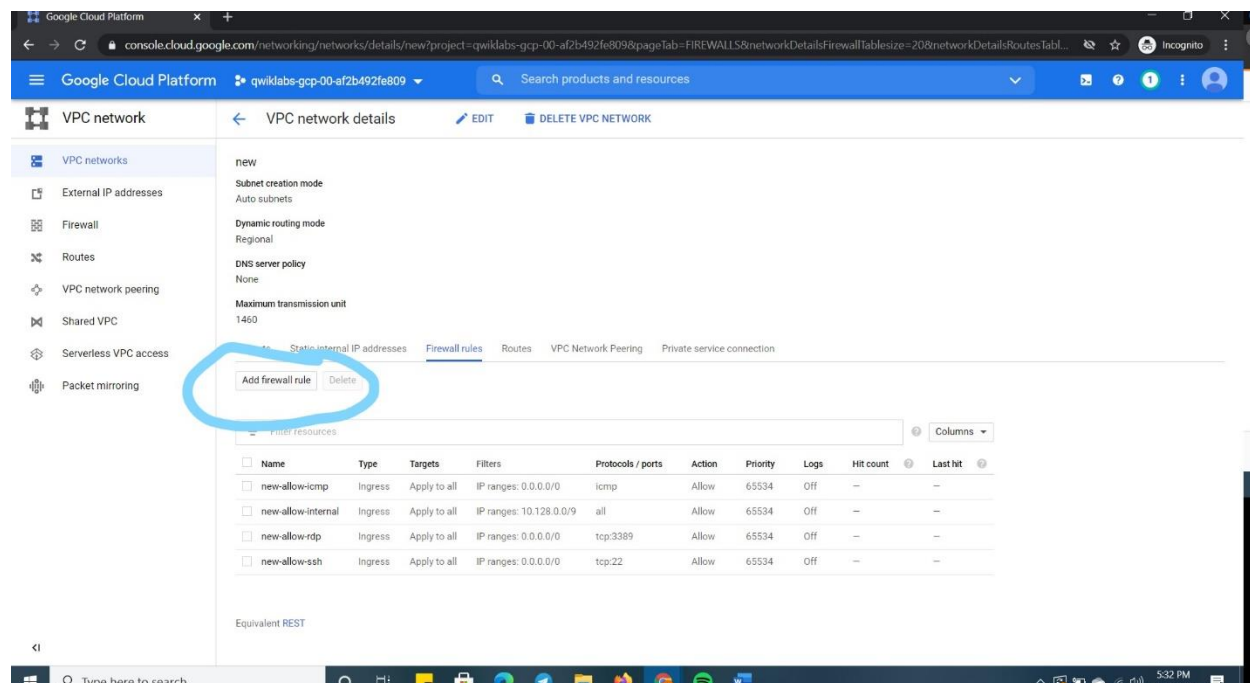
The screenshot shows the Google Cloud Platform console for the project 'qwklabs-gcp-00-af2b492fe809'. The 'VPC networks' page is active, and the 'CREATE VPC NETWORK' button is highlighted. The table below lists the existing VPC networks and their subnets.

Name	Region	Subnets	MTU	Mode	IP address ranges	Gateways	Firewall Rules	Global dynamic routing	Flow logs
default		24	1460	Auto			4	Off	
us-central1	us-central1	default			10.128.0.0/20	10.128.0.1			Off
eu-west-1	eu-west-1	default			10.132.0.0/20	10.132.0.1			Off
us-west-1	us-west-1	default			10.138.0.0/20	10.138.0.1			Off
asia-east-1	asia-east-1	default			10.140.0.0/20	10.140.0.1			Off
us-east-1	us-east-1	default			10.142.0.0/20	10.142.0.1			Off
asia-northeast-1	asia-northeast-1	default			10.146.0.0/20	10.146.0.1			Off
asia-southeast-1	asia-southeast-1	default			10.148.0.0/20	10.148.0.1			Off
us-east-4	us-east-4	default			10.150.0.0/20	10.150.0.1			Off
australia-southeast-1	australia-southeast-1	default			10.152.0.0/20	10.152.0.1			Off
eu-west-2	eu-west-2	default			10.154.0.0/20	10.154.0.1			Off
eu-west-3	eu-west-3	default			10.156.0.0/20	10.156.0.1			Off
southamerica-east-1	southamerica-east-1	default			10.158.0.0/20	10.158.0.1			Off
asia-south-1	asia-south-1	default			10.160.0.0/20	10.160.0.1			Off
northamerica-northeast-1	northamerica-northeast-1	default			10.162.0.0/20	10.162.0.1			Off
eu-west-4	eu-west-4	default			10.164.0.0/20	10.164.0.1			Off
eu-north-1	eu-north-1	default			10.166.0.0/20	10.166.0.1			Off
us-west-2	us-west-2	default			10.168.0.0/20	10.168.0.1			Off
asia-east-2	asia-east-2	default			10.170.0.0/20	10.170.0.1			Off
eu-west-6	eu-west-6	default			10.172.0.0/20	10.172.0.1			Off
asia-northeast-2	asia-northeast-2	default			10.174.0.0/20	10.174.0.1			Off

Step 2: Create with automatic subnet (user have to create another vpc with custom zone due to this lab I can successfully create a custom vpc instance)

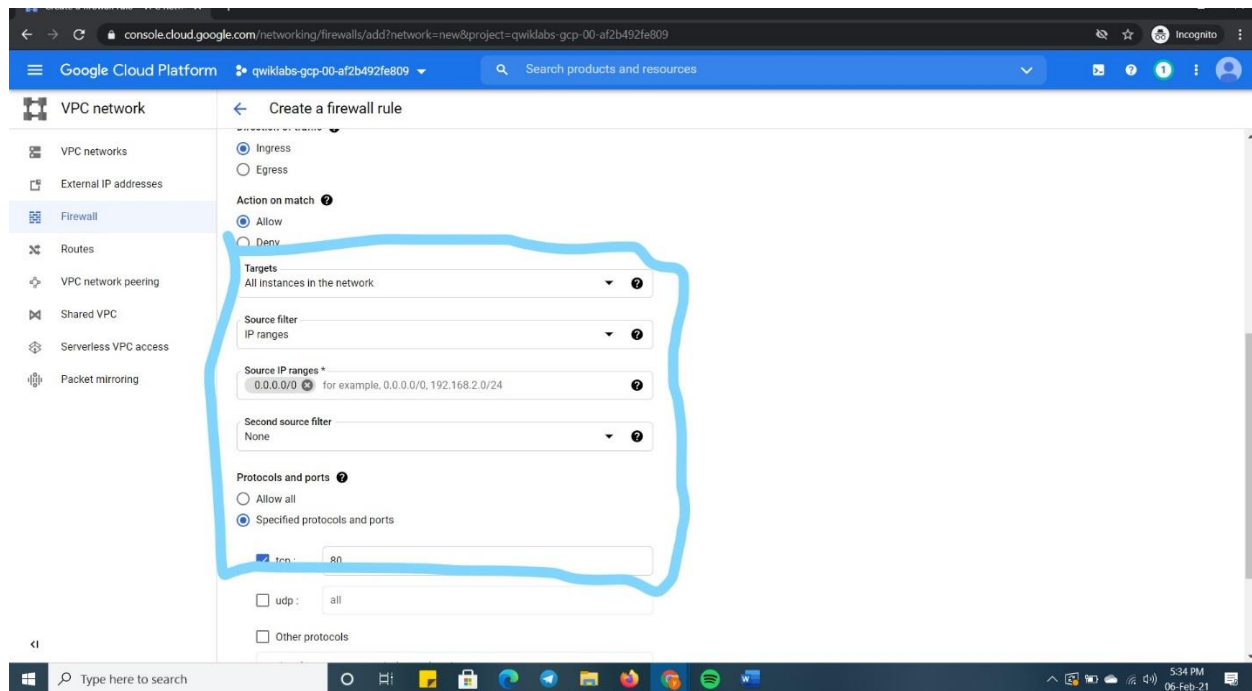


Step 3: create a new firewall to allow https

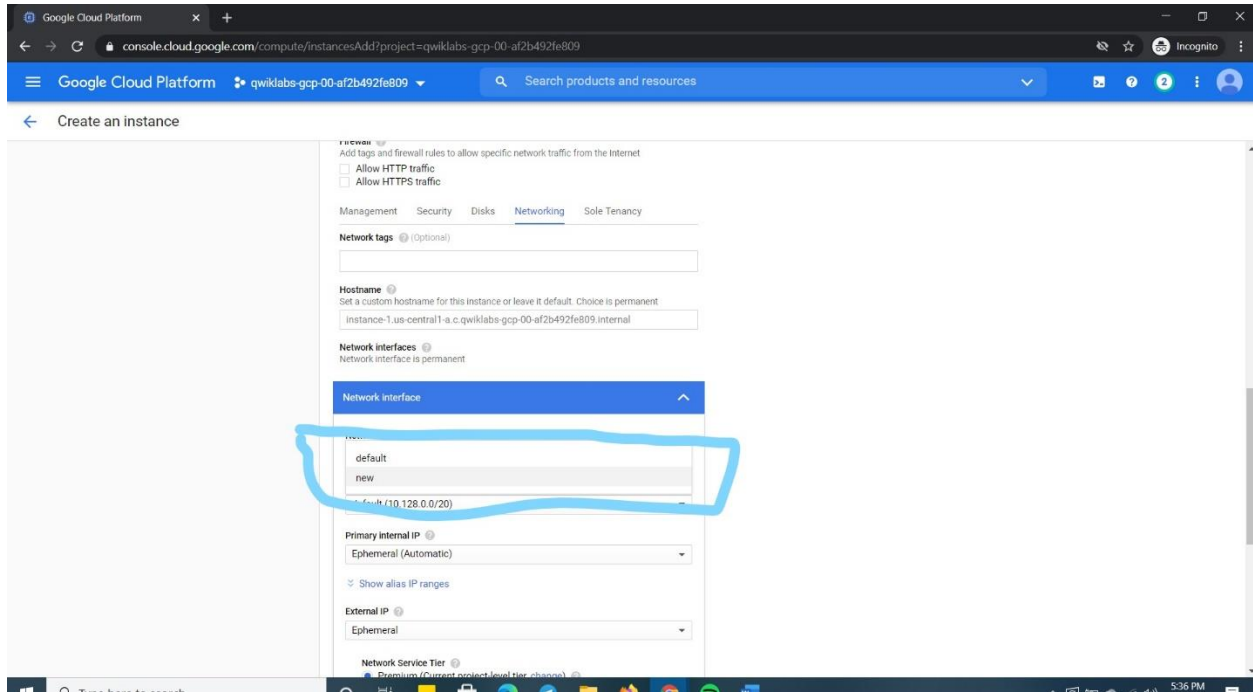


#### Step 4:

- Targets: All instances in network
- Source IP ranges: 0.0.0.0/0(this is open to all)
- tcp and port 80.



Step :5 user have to select new vpc that he created when he create a new instance (like wise to create a another instance for another custom zone vpc)



The next step that user can see the instance runs ssh as well as allow https because user create a new rule

