Replicate the **default** network by creating an auto mode network.

1. In the Console, navigate to **Navigation menu** > **VPC network** > **VPC networks**, and then click **Create VPC network**.
2. Set the **Name** to **firstnetwork**.
3. For **Subnet creation mode**, click **Automatic**. (Auto mode networks create subnets in each region automatically)
4. For **Firewall rules**, check all available rules. (These are the same standard firewall rules that the default network had)
5. Click **Create**, then wait for **mynetwork** to be created. (Notice that a subnet was created for each region)
6. Record the IP address range for the subnets in **us-central1** and **europe-west1**. You will refer to these in the next steps.

**Create a VM instance in us-central1**

Create a VM instance in the us-central1 region. Selecting a region and zone determines the subnet and assigns the internal IP address from the subnet’s IP address range.

1. In the Console, navigate to **Navigation menu** > **Compute Engine** > **VM instances**, and then click **Create**.
2. Set the following values, leaving all others at their defaults:

Name : mynet-us-vm

Region : us-central1

Zone : us-central1-c

Machine type : micro (1 shared vCPU)

1. Click **Create**, then wait for the instance to be created.
2. Verify that the **Internal IP** was assigned from the IP address range for the subnet in **us-central1** (10.128.0.0/20).