**Steps to create VPC and Subnets**

**Creating an auto mode network**

1. Go to the VPC networks page in the Google Cloud Console.
2. Click **Create VPC network**.
3. Enter a **Name** for the network.
4. Choose **Automatic** for the **Subnet creation mode**.
5. In the **Firewall rules** section, select one or more predefined [firewall rules](https://cloud.google.com/vpc/docs/firewalls) that address common use cases for connectivity to VMs. If you don't want to use them, select no rules. You can [create your own firewall rules](https://cloud.google.com/vpc/docs/using-firewalls) after you create the network.
6. Choose the **Dynamic routing mode** for the VPC network.

For more information, see [dynamic routing mode](https://cloud.google.com/vpc/docs/vpc#routing_for_hybrid_networks). You can [change the dynamic routing mode](https://cloud.google.com/vpc/docs/using-vpc#switch-dynamic-routing) later.

1. Click **Create**.

**Create custom mode network**

1. Go to the VPC networks page in the Google Cloud Console.
2. Click **Create VPC network**.
3. Enter a **Name** for the network.
4. Choose **Custom** for the **Subnet creation mode**.
5. In the **New subnet** section, specify the following configuration parameters for a subnet:
   1. Provide a **Name** for the subnet.
   2. Select a **Region**.
   3. Enter an **IP address range**. This is the [primary IP range](https://cloud.google.com/vpc/docs/vpc#vpc_networks_and_subnets) for the subnet.
   4. To define a secondary range for the subnet, click **Create secondary IP range**.
   5. **Private Google access**: Choose whether to enable [Private Google Access](https://cloud.google.com/vpc/docs/private-access-options) for the subnet when you create it or later by editing it.
   6. **Flow logs**: Choose whether to enable [VPC flow logs](https://cloud.google.com/vpc/docs/using-flow-logs) for the subnet when you create it or later by editing it.
   7. Click **Done**.
6. To add more subnets, click **Add subnet** and repeat the previous steps. You can also add more subnets to the network after you have created the network.
7. Choose the **Dynamic routing mode** for the VPC network.

For more information, see [dynamic routing mode](https://cloud.google.com/vpc/docs/vpc#routing_for_hybrid_networks). You can [change the dynamic routing mode](https://cloud.google.com/vpc/docs/using-vpc#switch-dynamic-routing) later.

1. Click **Create**.

**Creating Subnets:**

1. Go to the VPC networks page in the Google Cloud Console.
2. Click the name a VPC network to show its *VPC network details* page.
3. Click **Add subnet**. In the panel that appears:
   1. Provide a **Name**.
   2. Select a **Region**.
   3. Enter an **IP address range**. This is the [primary IP range](https://cloud.google.com/vpc/docs/vpc#vpc_networks_and_subnets) for the subnet.
   4. To define a secondary range for the subnet, click **Create secondary IP range**.
   5. **Private Google access**: You can enable [Private Google Access](https://cloud.google.com/vpc/docs/private-access-options) for the subnet when you create it or later by editing it.
   6. **Flow logs**: You can enable [VPC flow logs](https://cloud.google.com/vpc/docs/using-flow-logs) for the subnet when you create it or later by editing it.
   7. Click **Add**.