0. How to Find Required Parameters

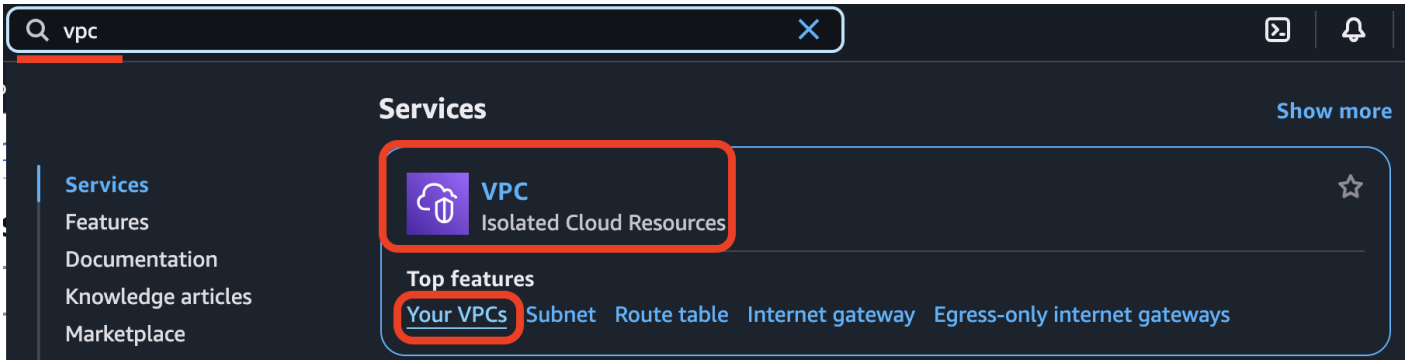
To properly deploy BookStack, you need to provide the following network parameters and certificate ARN:

1 VpcCidrBlock (CIDR block for the VPC)

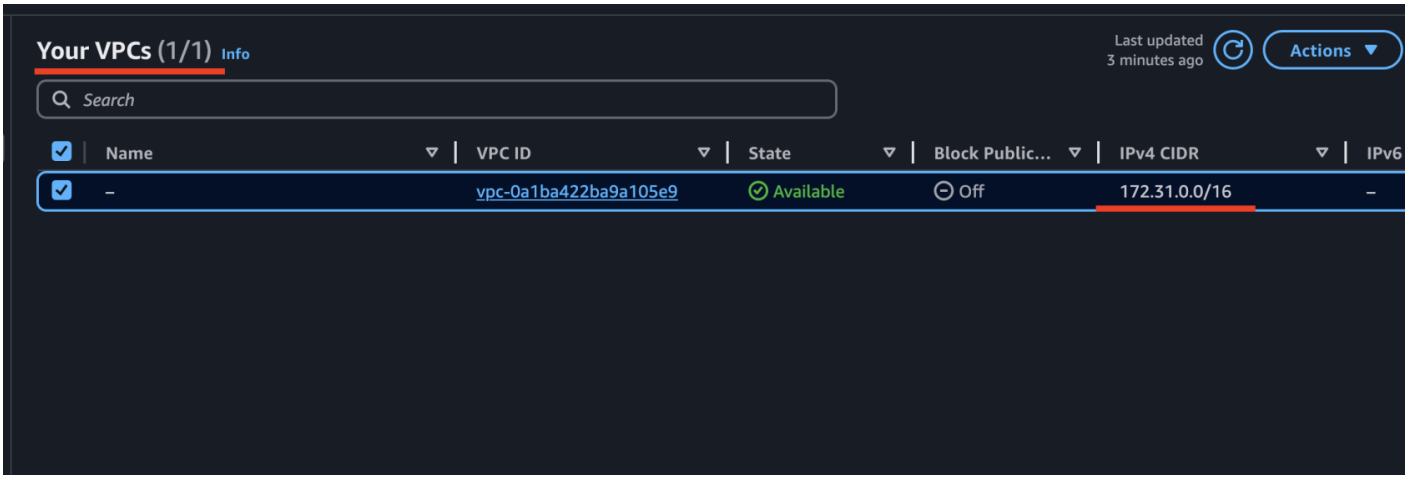
• If you are **creating a new VPC**, use `10.0.0.0/16` as the default value.

• If you are **using an existing VPC**, retrieve the CIDR block:

• Open **AWS Console → VPC → Your VPCs**

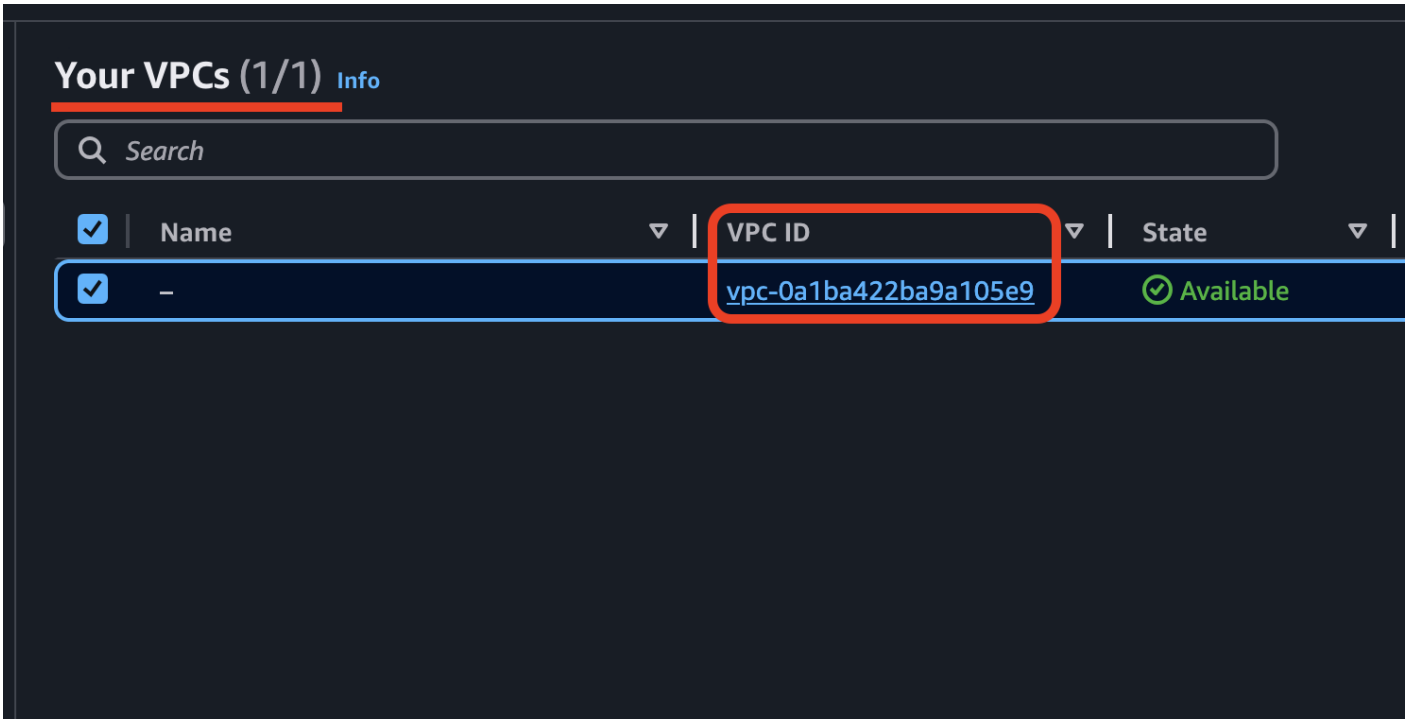


• Locate your VPC and copy the **IPv4 CIDR** value.



2️⃣ VpcId (VPC ID)

• Locate your VPC and copy its **VPC ID** (e.g., vpc-0a1ba422ba9a105e9).



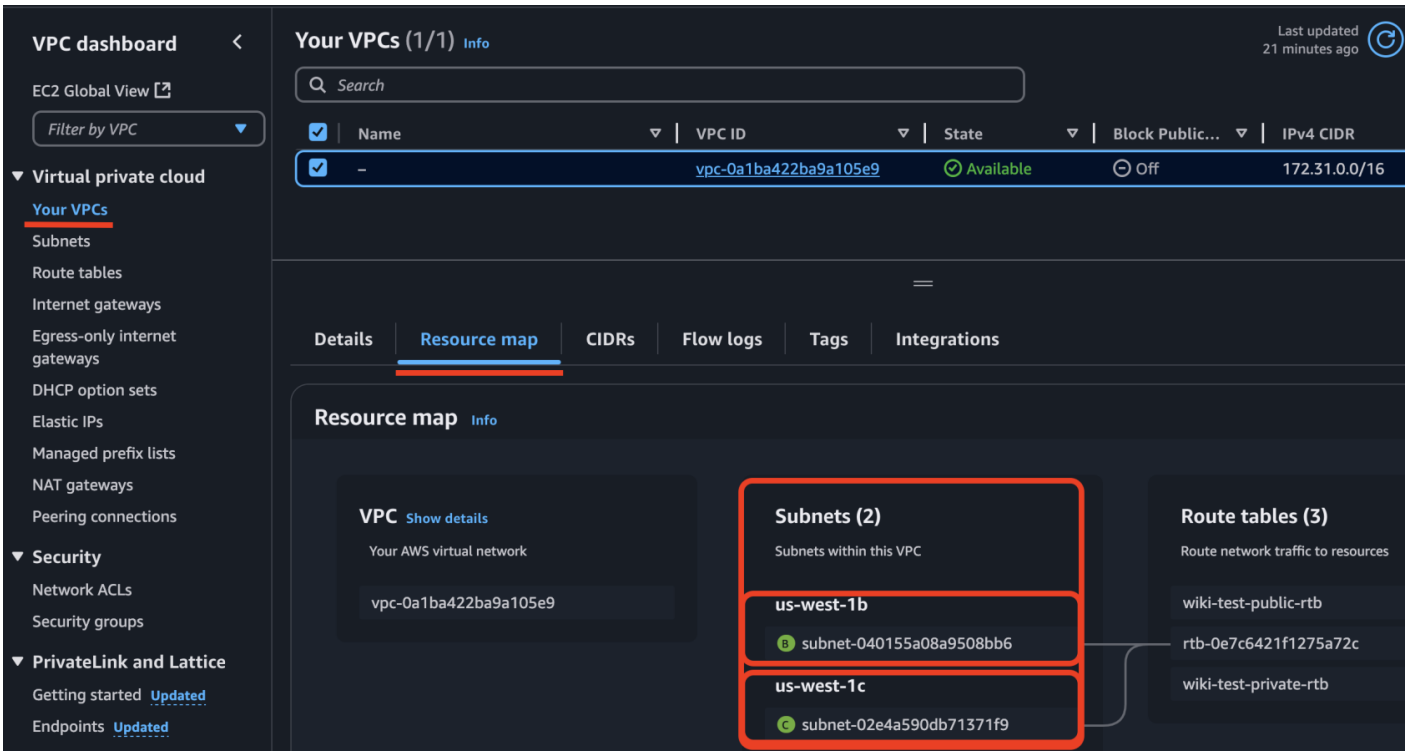
3️⃣ Subnet1Id & Subnet2Id (Subnet IDs)

• Open **AWS Console → VPC → Subnets**

• Select your VPC, and at the bottom panel, navigate to the **Resource Map** tab.

• Here, you will see a list of all subnets associated with your VPC.

• Choose two **private subnets** (preferably in different Availability Zones) and copy their **Subnet IDs** (e.g., subnet-040155a08a9508bb6, subnet-02e4a590db71371f9).

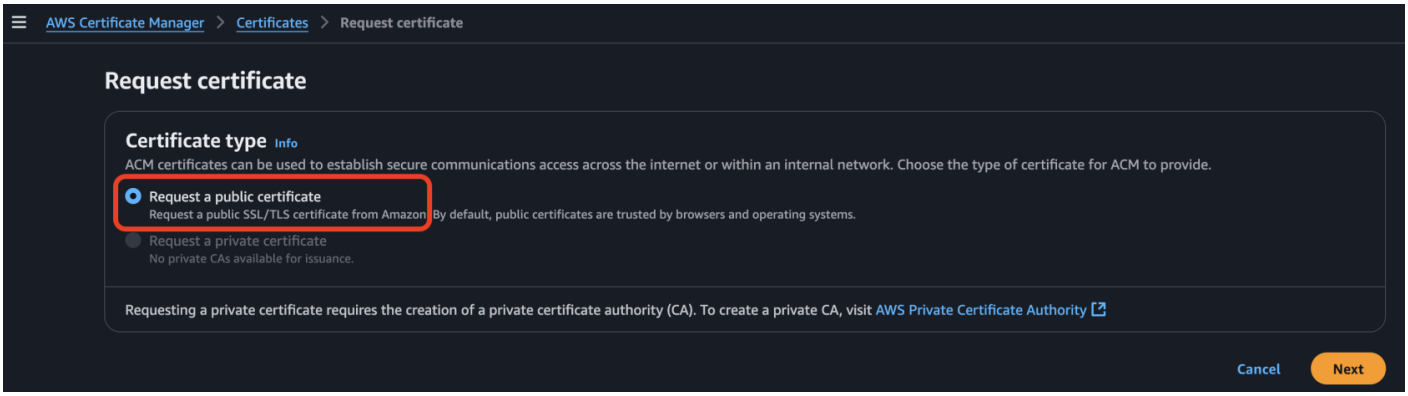


⚠ **Important Notice!** Ensure that the region of your resources matches the deployment region in CloudFormation. If you select resource IDs from **Region A** but deploy in **Region B**, you will encounter an error stating that the specified resources do not exist. This happens because each AWS region has its own unique set of resource IDs.

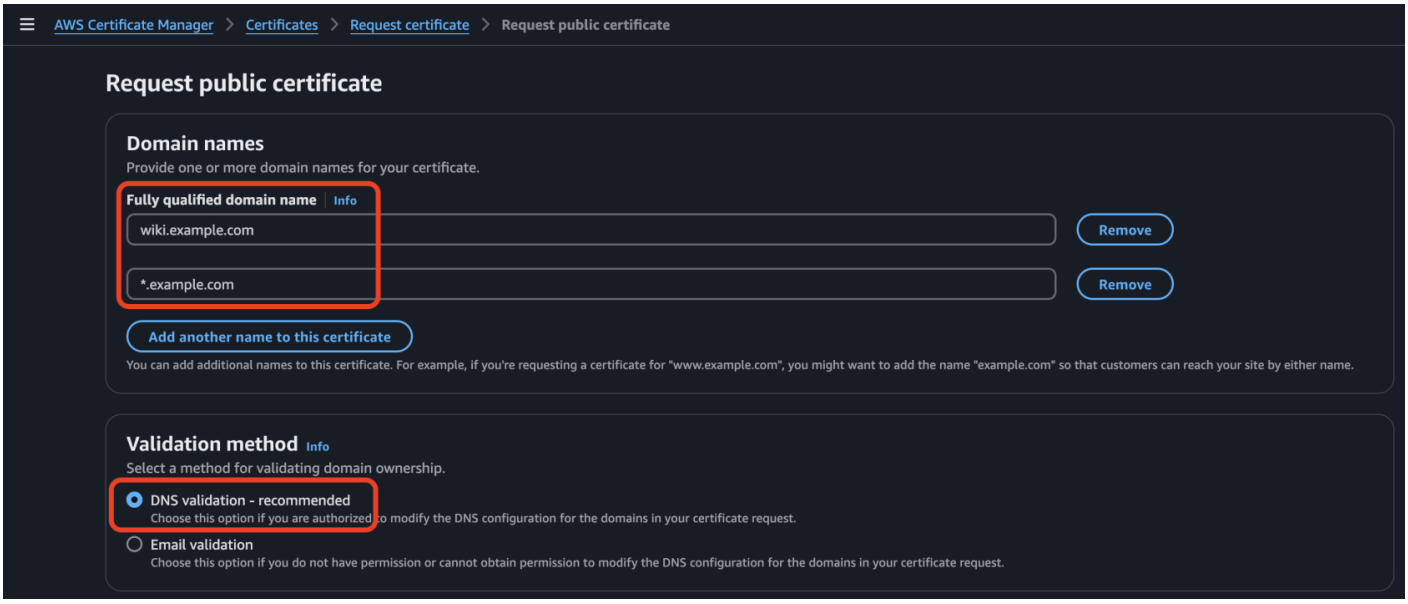
4Obtain an SSL Certificate (if you don’t have one):

• Navigate to **AWS Certificate Manager (ACM)** in the AWS Management Console.

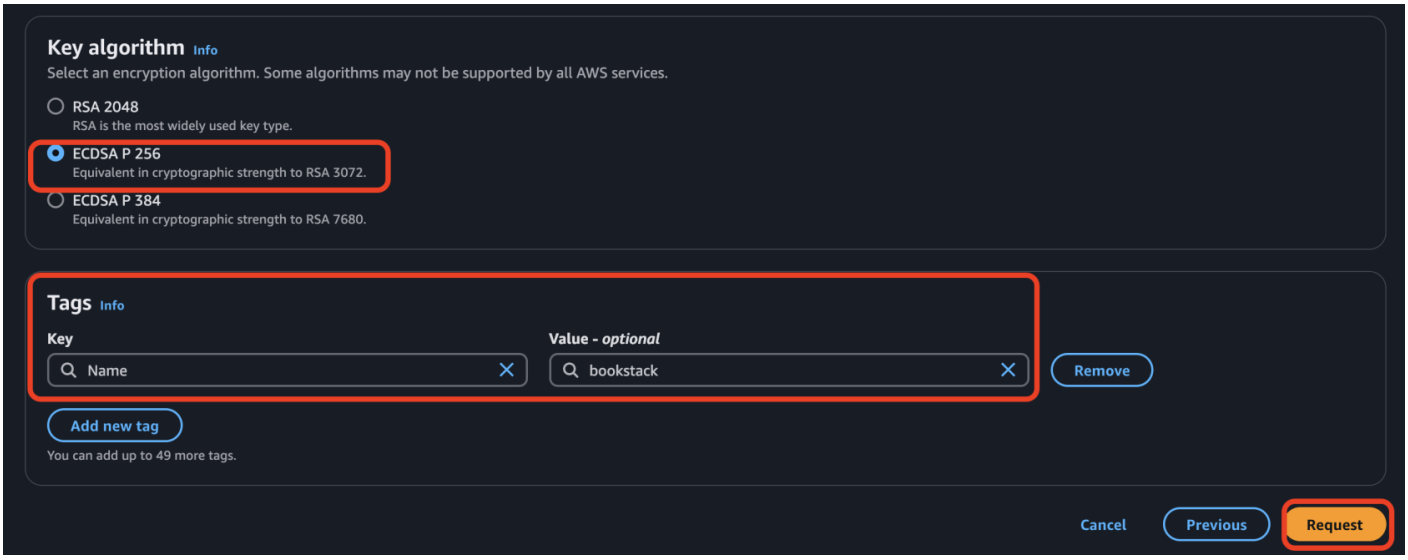
• **Request** a new certificate by selecting **“Request a public certificate”** and click **Next**.



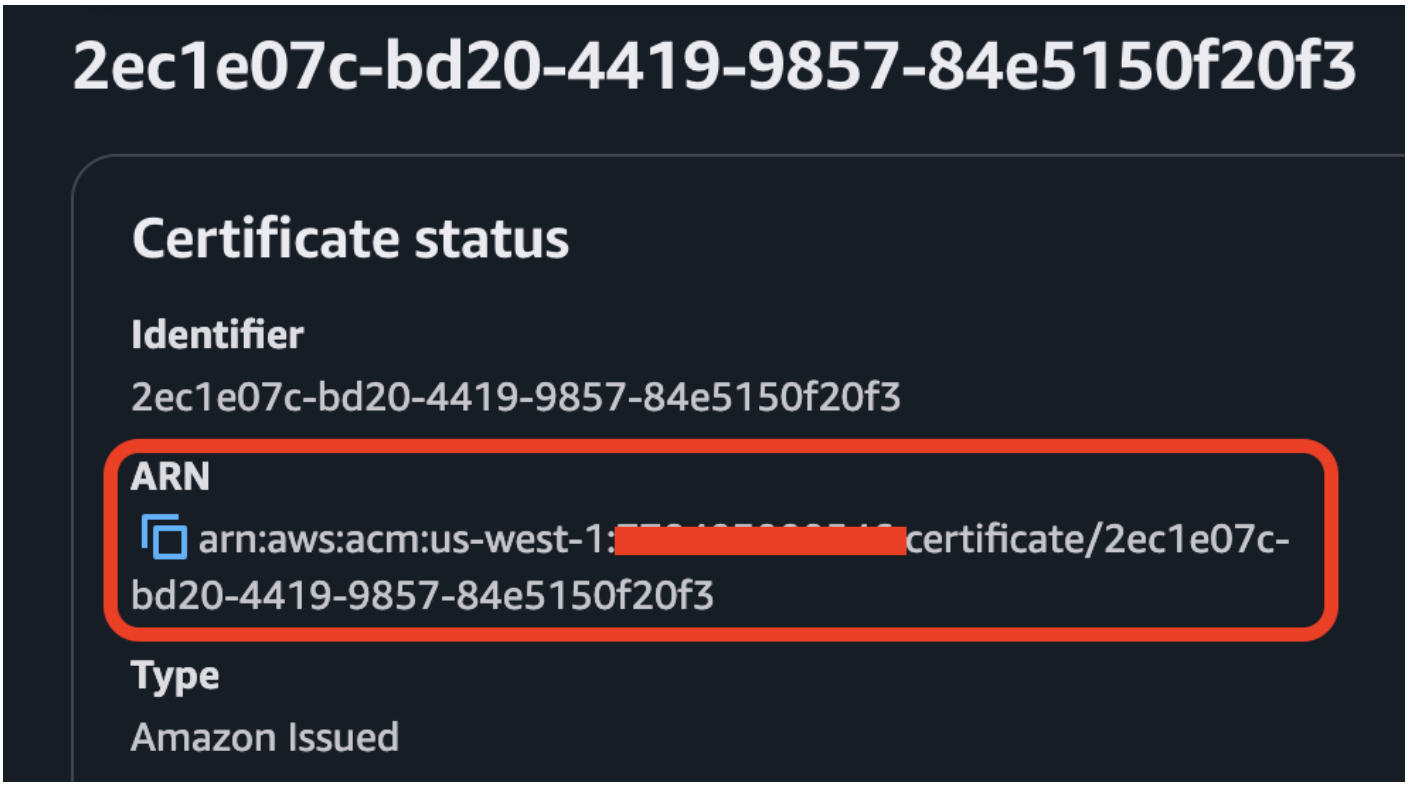
• Follow the steps to validate your domain using **DNS validation (recommended)** or **Email validation**.



• Select `ECDSA P-256` as the key algorithm. This is equivalent in cryptographic strength to **RSA 3072** but provides better performance. If `ECDSA P-256` is not supported by your use case, you can use `RSA 2048` instead (though it is less efficient). Create the tag with **Key=`Name`**, **Value=`bookstack`** (or any other meaningful name that helps you recognize it)



• Once the certificate is issued, copy its **ARN** and use it in the **SSLCertificate** parameter during deployment.



⚠ **Important Notice!** Ensure that the certificate is created in the **same AWS region** where you are deploying the CloudFormation stack. If the certificate is in a different region, the ALB will not be able to use it, and the deployment will fail.

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