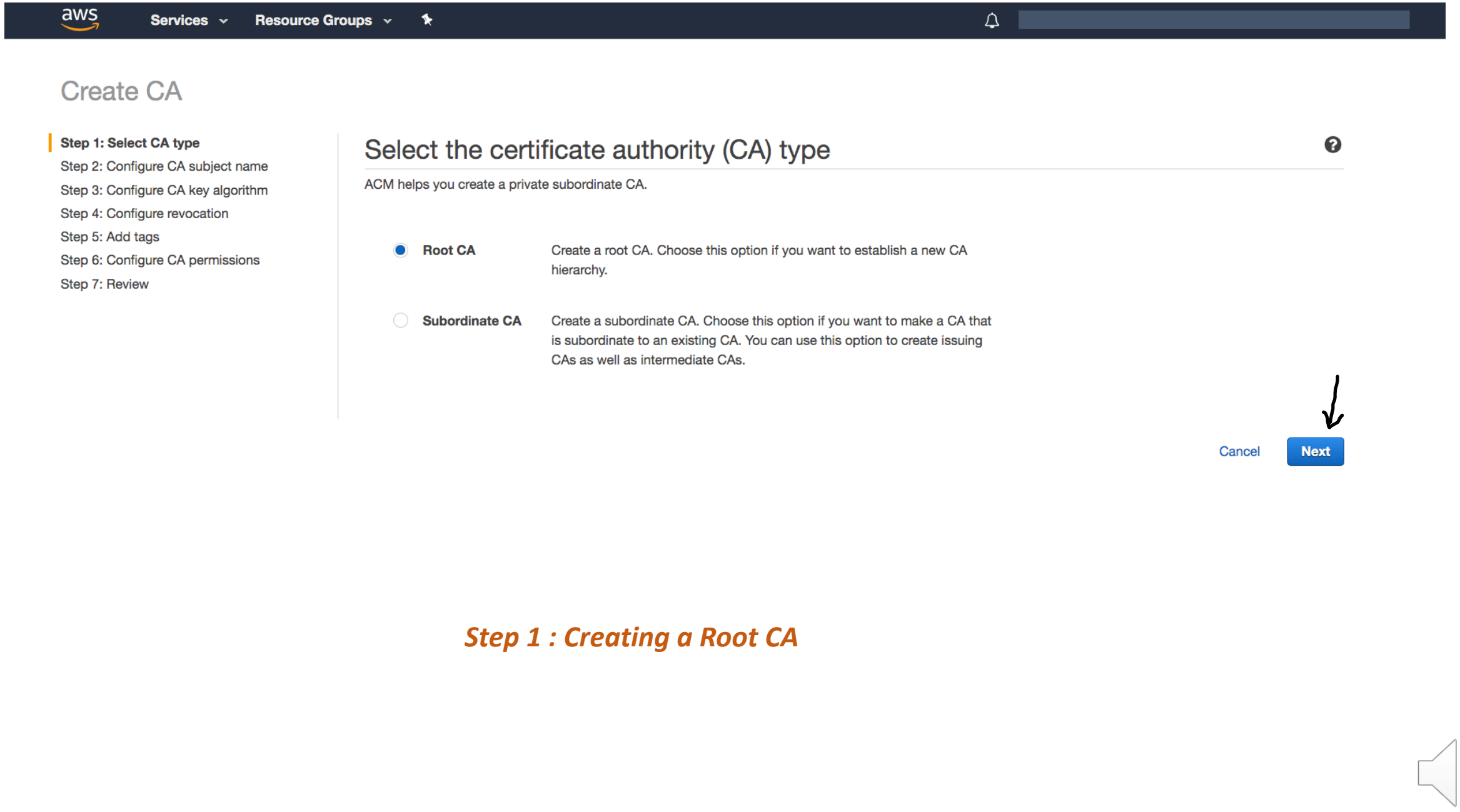


Step 1 : Creating a Root CA

Create CA

- Step 1: Select CA type
- **Step 2: Configure CA subject name**
- Step 3: Configure CA key algorithm
- Step 4: Configure revocation
- Step 5: Add tags
- Step 6: Configure CA permissions
- Step 7: Review

Configure the certificate authority (CA) name

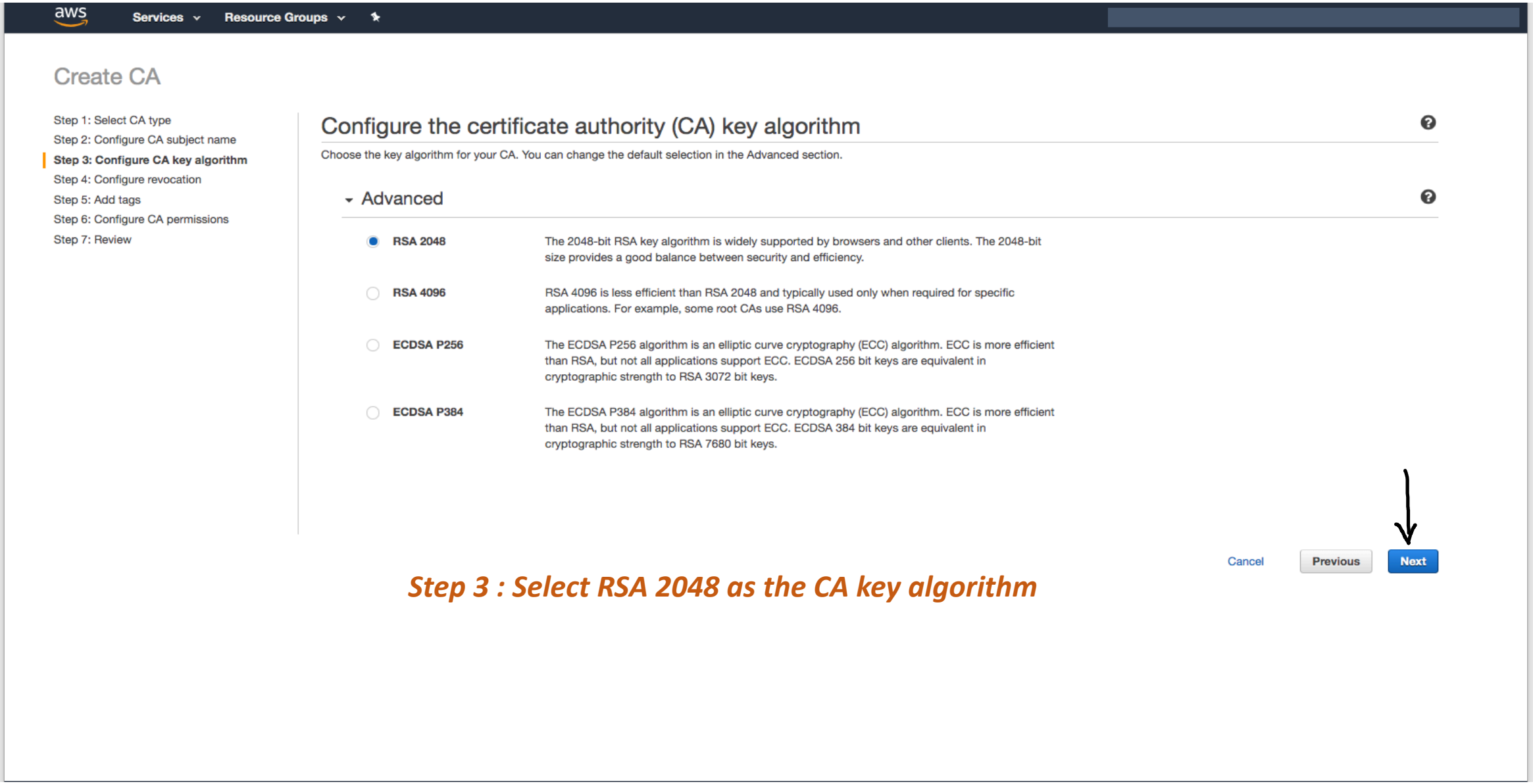
Name your CA using the distinguished name (DN) format. The name is used as the subject in the CA certificate and as the issuer in certificates that the CA issues. These names cannot be changed later.

Subject distinguished name	Value
Organization (O)*	mycompany Company name. Max length of 64 characters.
Organization Unit (OU)*	hr Company subdivision. Max length of 64 characters.
Country name (C)*	United States (US) Two letter country code
State or province name*	washington Full name. Max length of 128 characters
Locality name*	seattle City. Max length of 128 characters.
Common Name (CN)*	acmpcaroot g1 Certificate authority name. Max length of 64 characters.

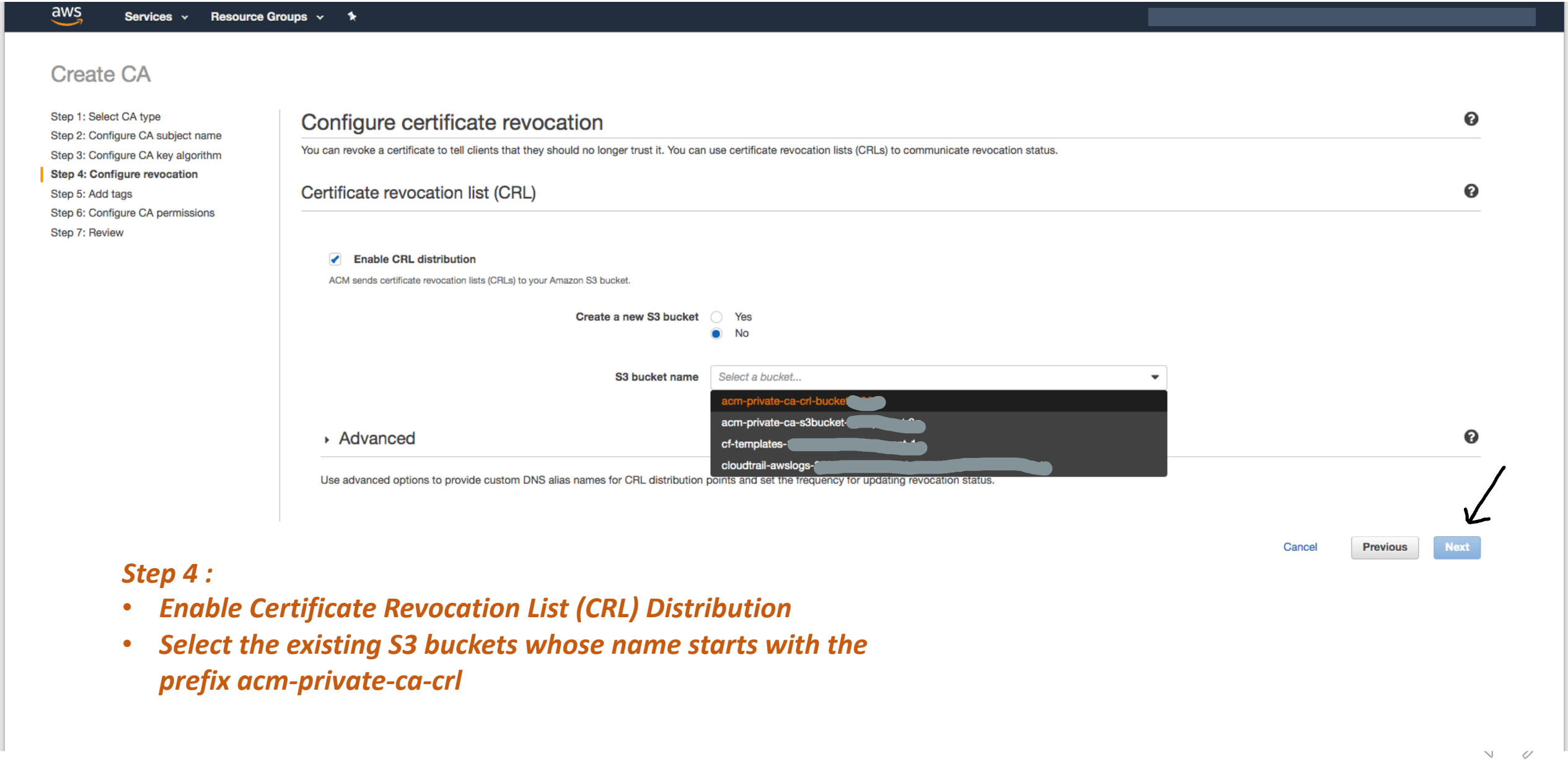
***At least one subject name is required**

Cancel | Previous | Next

Step 2 : Configure the Root CA parameters

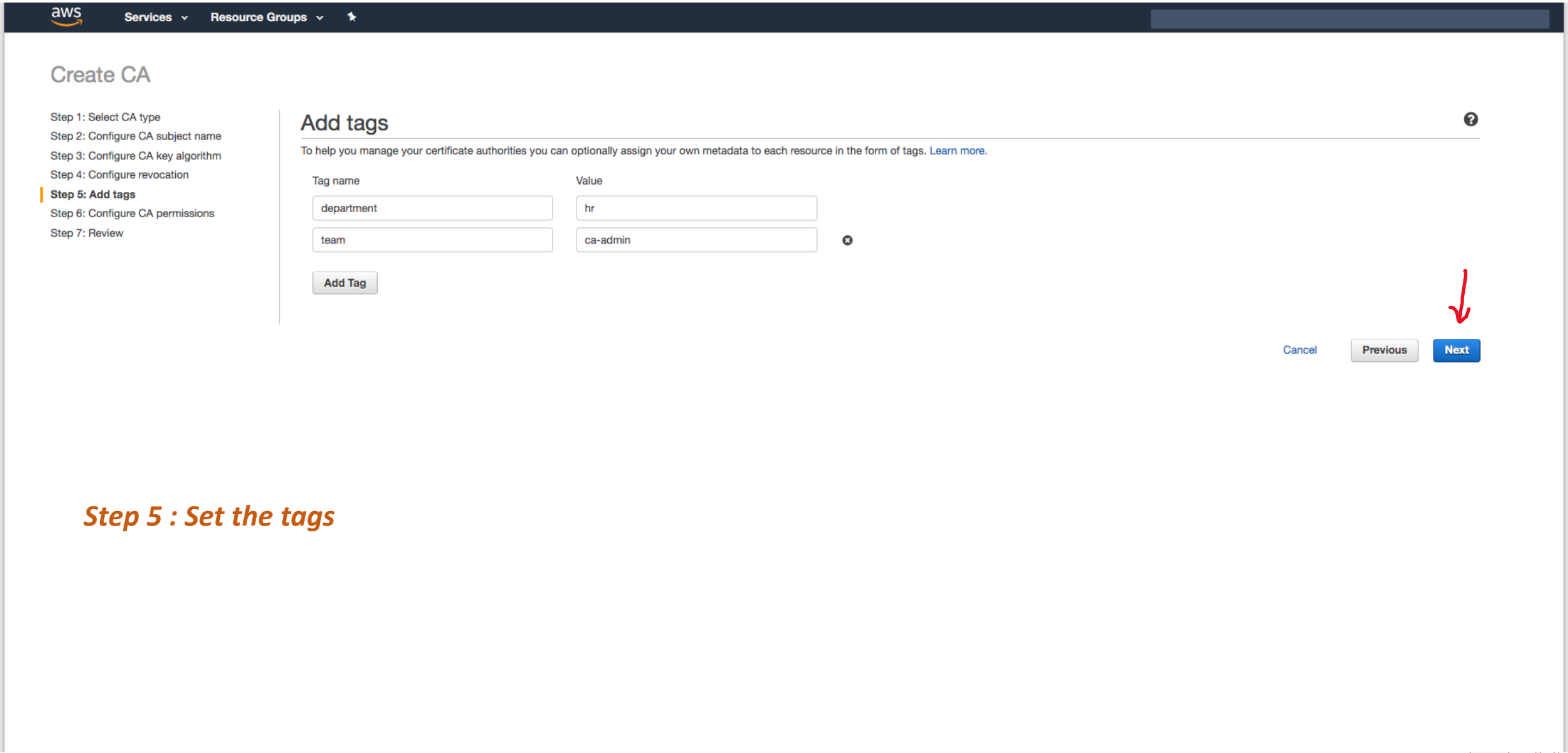


Step 3 : Select RSA 2048 as the CA key algorithm



Step 4 :

- ***Enable Certificate Revocation List (CRL) Distribution***
- ***Select the existing S3 buckets whose name starts with the prefix acm-private-ca-crl***

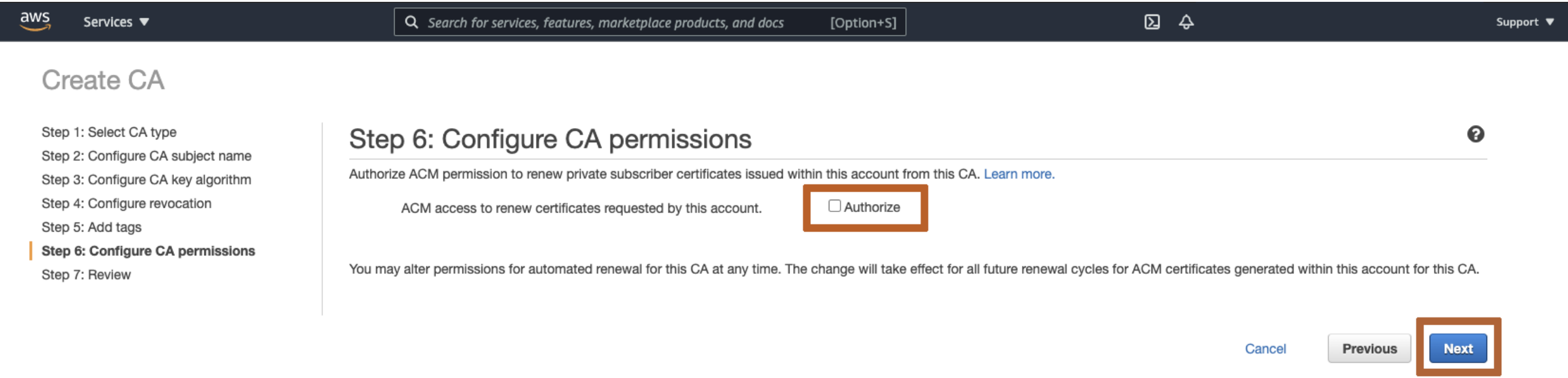


Step 5 : Set the tags

Quiz : (please open the quiz in a new browser tab)

In the previous step you tagged this certificate authority with the key value pair “team”:”ca-admin”. Click on the link below for the quiz :

https://bit.ly/2To8mmf



Step 6: We are not issuing end entity certs from the root CA, so Deny ACM permission for renewals

- Step 4: Configure revocation
- Step 5: Add tags
- Step 6: Configure CA permissions
- **Step 7: Review**

CA type

CA type	Root

CA subject name

Organization (O)	mycompany
Organization Unit (OU)	hr
Country name (C)	United States (US)
State or province name	washington
Locality name	seattle
Common name (CN)	acmpcaroot g1

Key algorithm

Key algorithm	RSA
Key size	2048

Revocation

CRL distribution

DNS name used in certificates	
CRL distributions will be available here	acm-private-ca-crl-bucket23366.s3.amazonaws.com
CRL distributions will be updated every	7 Days

Tags

department	hr
team	ca-admin

CA permissions

ACM authorization for renewals	Denied

☑ Click to confirm you understand that you will be charged a monthly fee for the operation of your Private CA until you delete it. You will not be charged for the operation of the CA during the first 30 days for the first Private CA created in your account. You will be charged for the private certificates you issue. Learn more.

You must select the check box to continue.

Cancel | Previous | **Confirm and create**

Step 7 : Confirm and create the Root CA

Step 4: Configure revocation
Step 5: Add tags
Step 6: Configure CA permissions
Step 7: Review

CA type

CA subject name

Key algorithm

Revocation

CRL distribution

DNS name used in certificates
CRL distributions will be available here — acm-private-ca-crl-bucket23366.s3.amazonaws.com
CRL distributions will be updated every — 7 Days

Tags

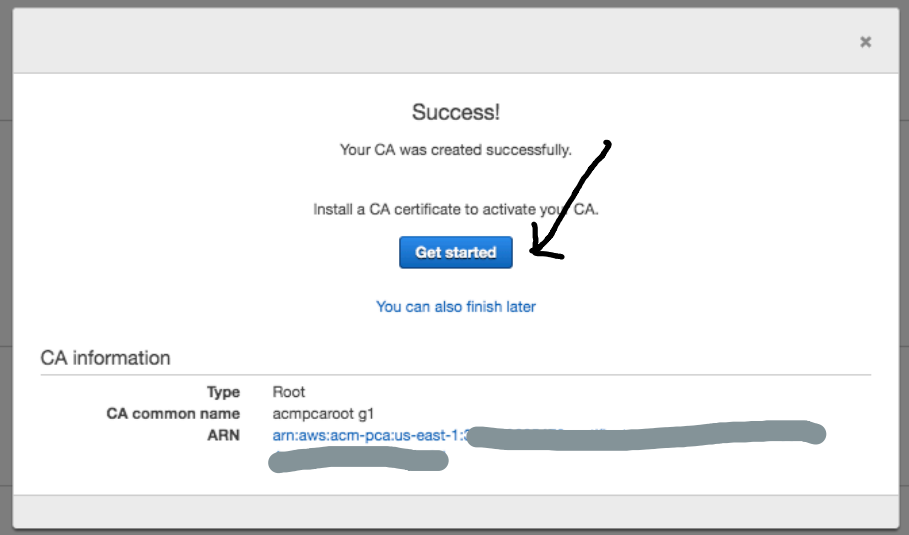
department — hr
team — ca-admin

CA permissions

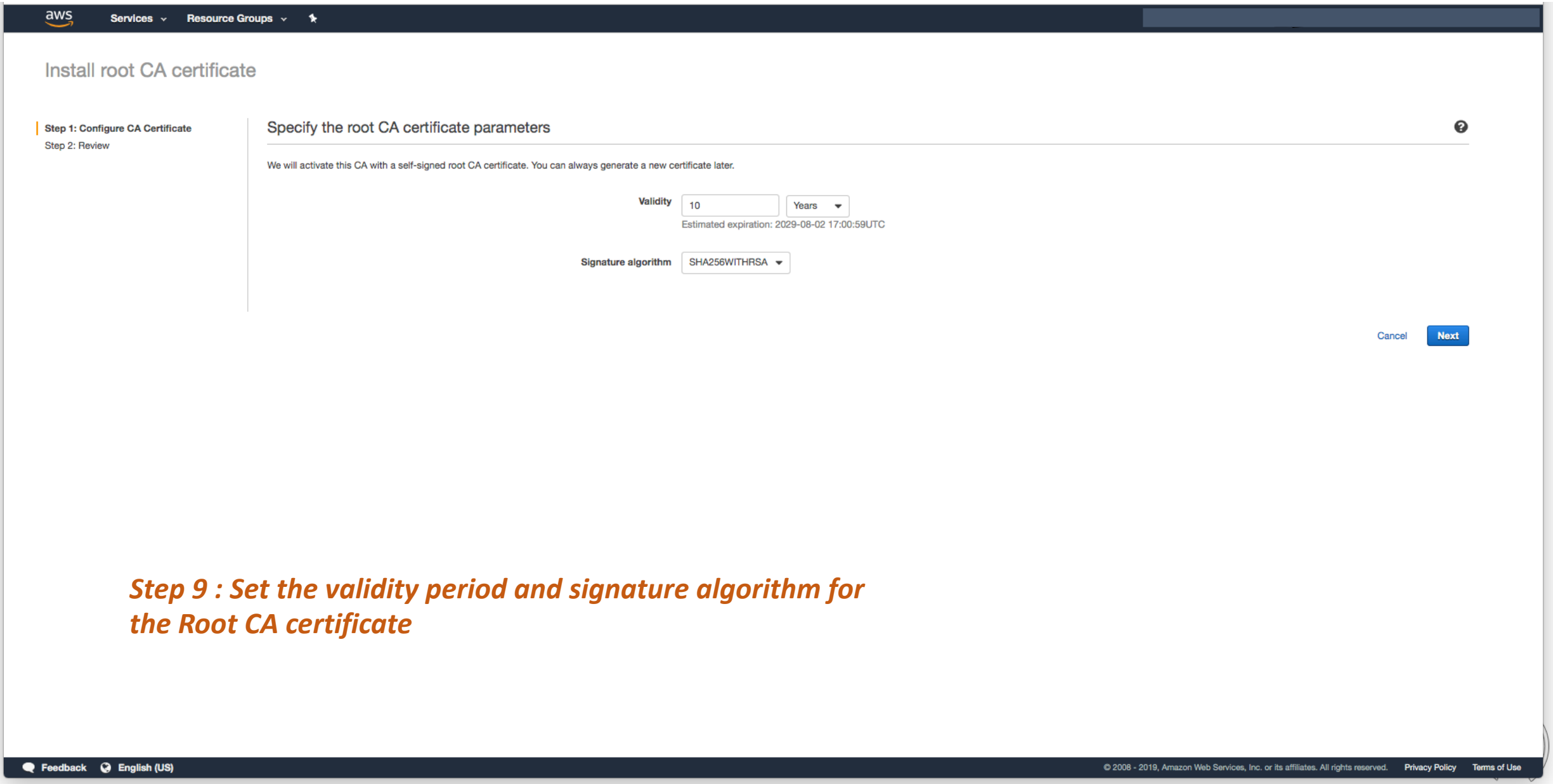
ACM authorization for renewals — Denied

Click to confirm you understand that you will be charged a monthly fee for the operation of your Private CA until you delete it. You will not be charged for the operation of the CA during the first 30 days for the first Private CA created in your account. You will be charged for the private certificates you issue. Learn more.
You must select the check box to continue.

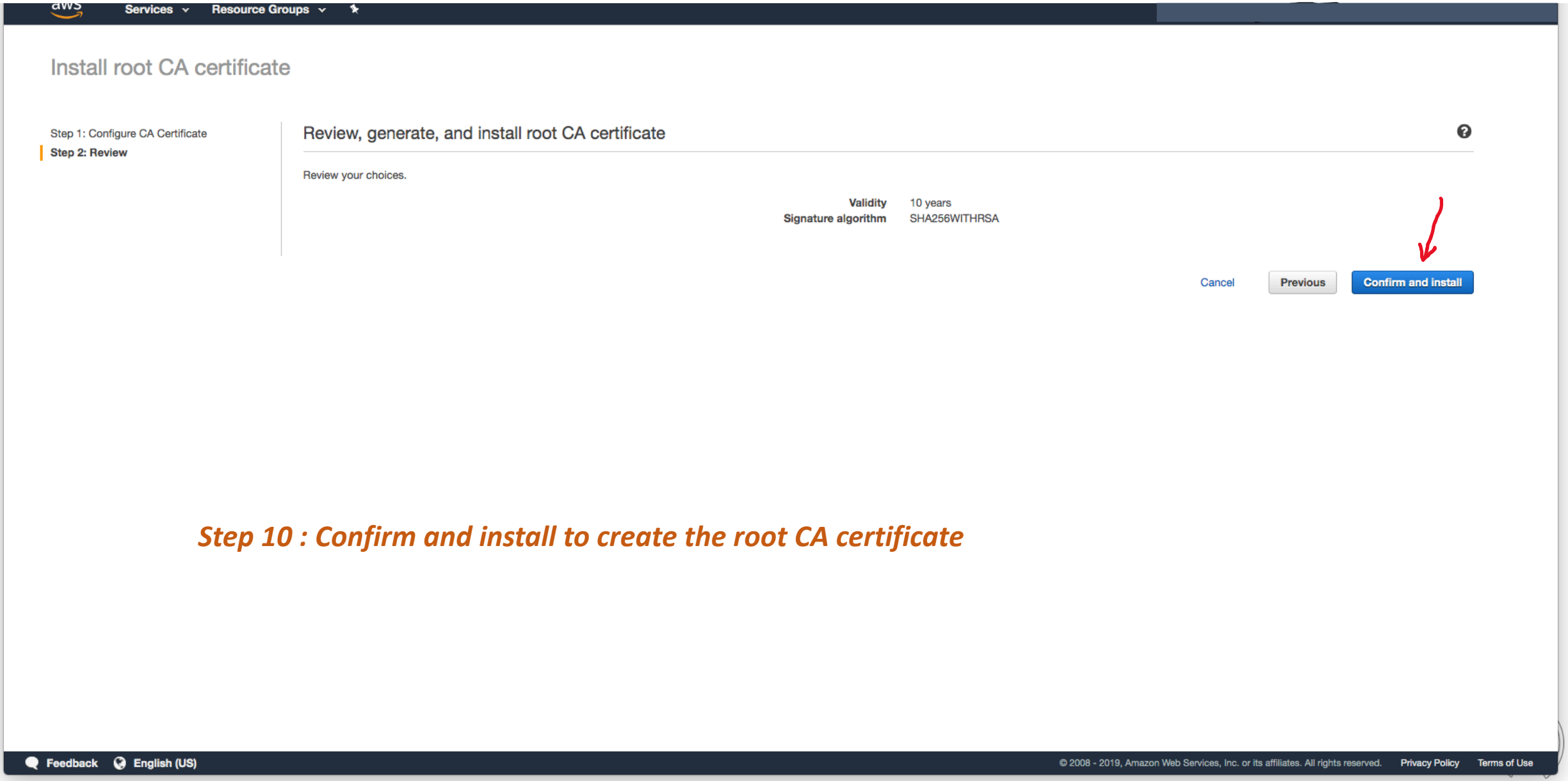
Cancel | Previous | Confirm and create



Step 8 : Sign the root ca csr with the root ca's private key



Step 9 : Set the validity period and signature algorithm for the Root CA certificate



Step 10 : Confirm and install to create the root CA certificate

Certificates
Certificate manager

Private certificate authority
Private CAs

Success!
Your root CA certificate was installed successfully.
The STATUS of this CA is ACTIVE and able to issue private certificates.

Private CAs

Create CA | Actions

	CA common name	Owner	Organization	OU	Type	Status
◉	acmpcaroot g1	Self	mycompany	hr	Root	Active

Status | CA certificate | Revocation configuration | Tags | Permissions | Resource shares

Status Active
Detailed status Able to issue private certificates.
Owner Self

Details

Type Root
ARN arn:aws:acm-pca:us[redacted]
Key algorithm RSA 2048
CRL signature algorithm SHA256WITHRSA
Created at 2021-03-10 16:18:06UTC
Expiration Date 2031-03-10 16:18:57UTC
Organization mycompany
OU hr
Country US
State washington
Locality seattle
CA common name acmpcaroot g1

Step 11 : You should see the root CA created with active status

Quiz : (Please open quiz in a new browse tab)

In Step 10 you clicked Confirm to install the root CA certificate. The Root CA private key is used to sign the CSR and create the root CA certificate. Click on the link below to take the quiz

https://bit.ly/2YQr7El