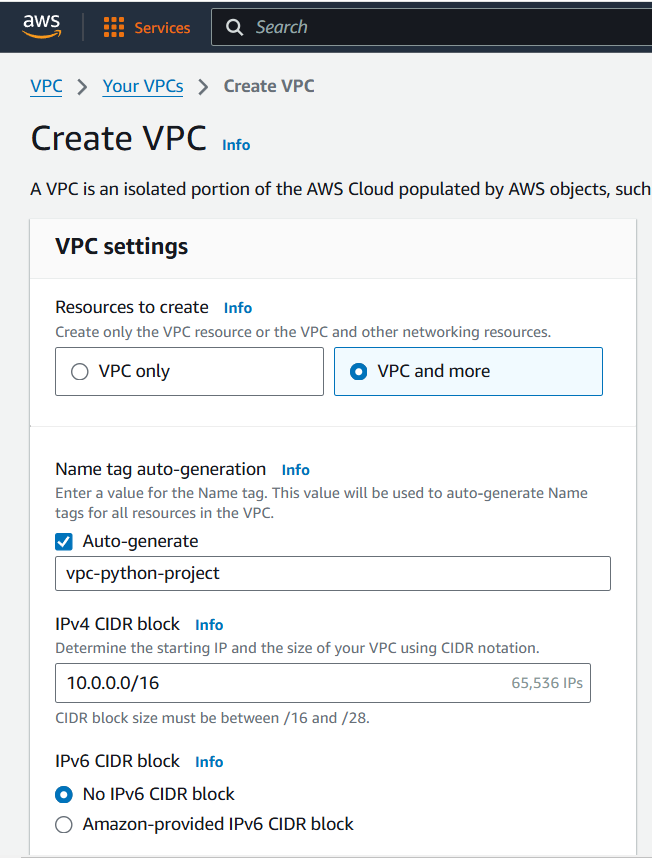
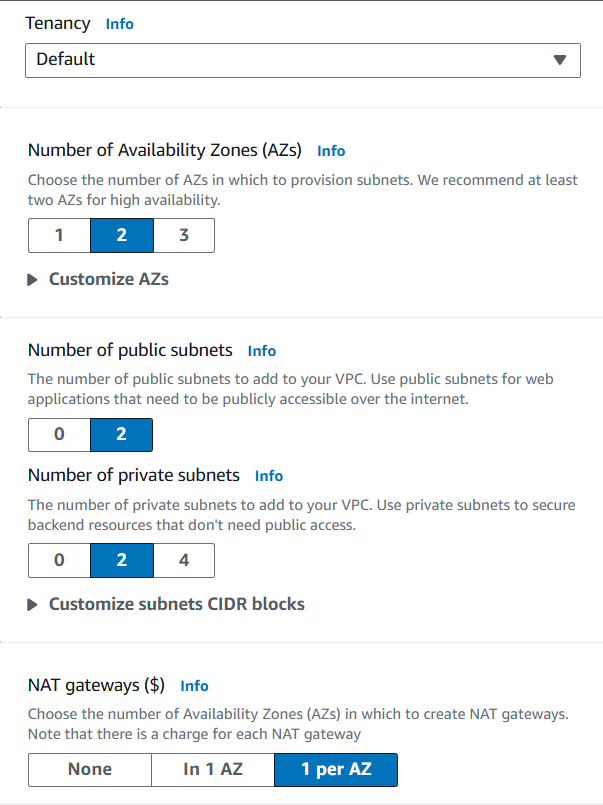
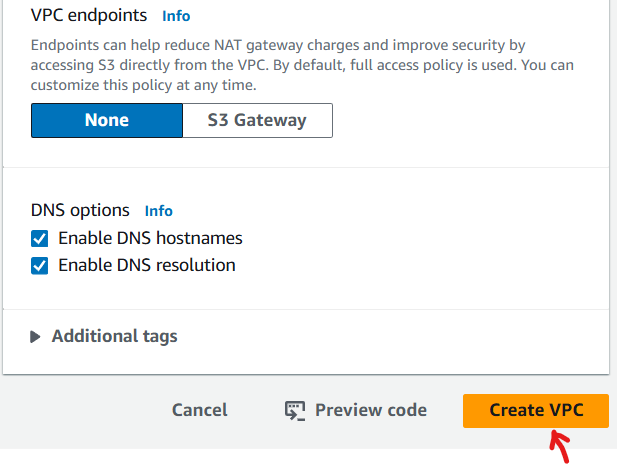
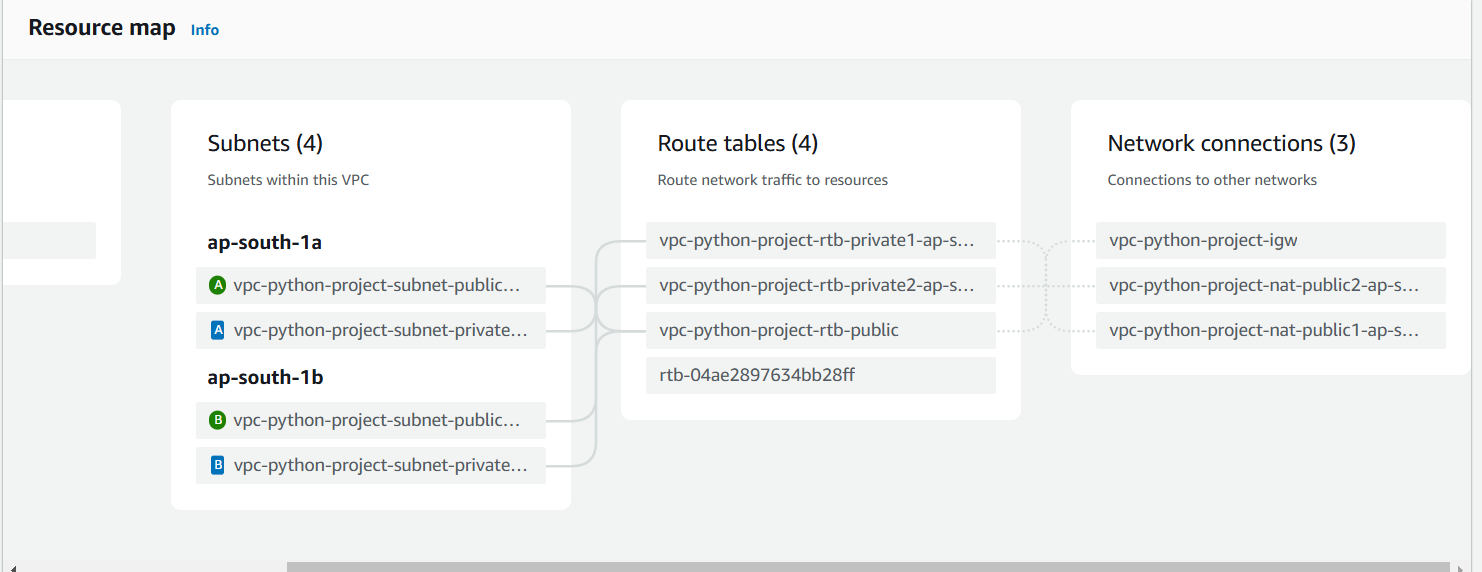
1. **Creating VPC**

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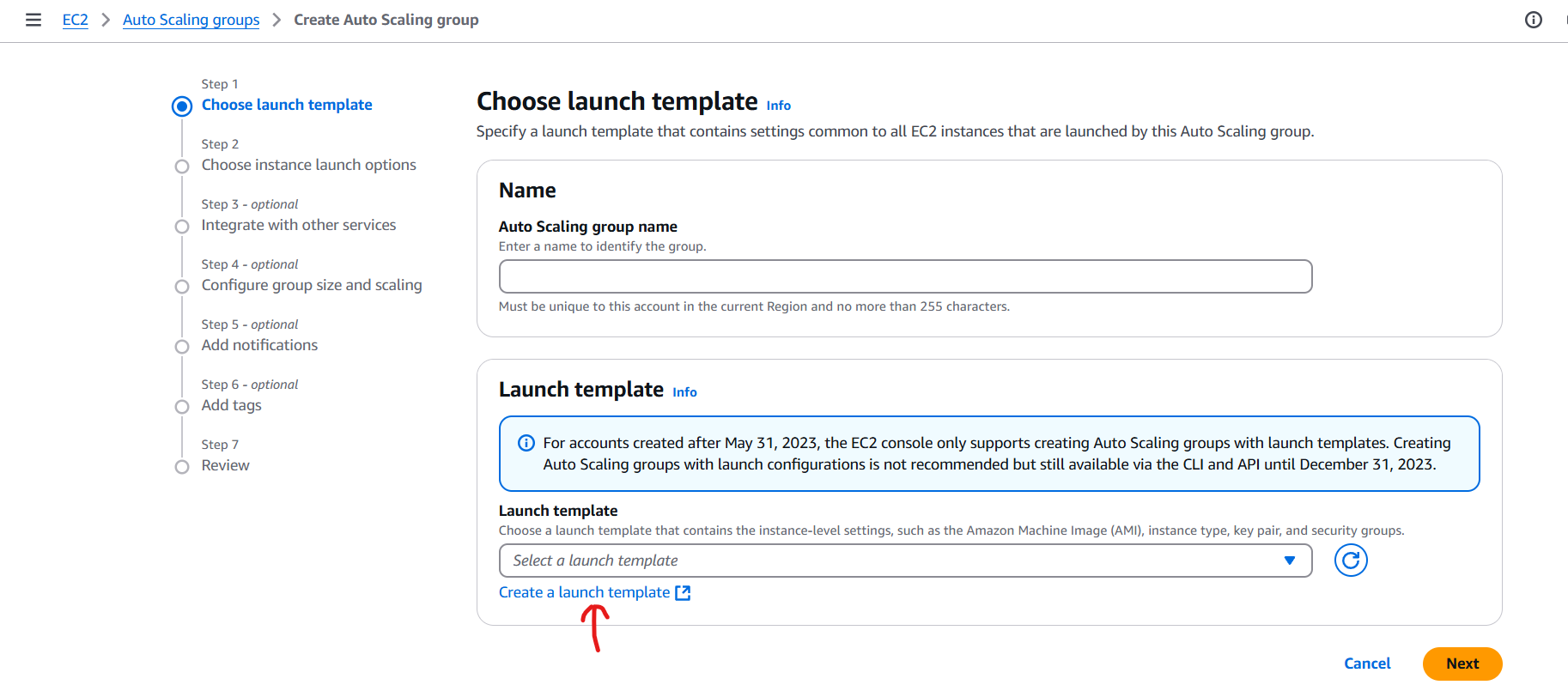
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* **Resource map will be look like below post creation of VPC.**

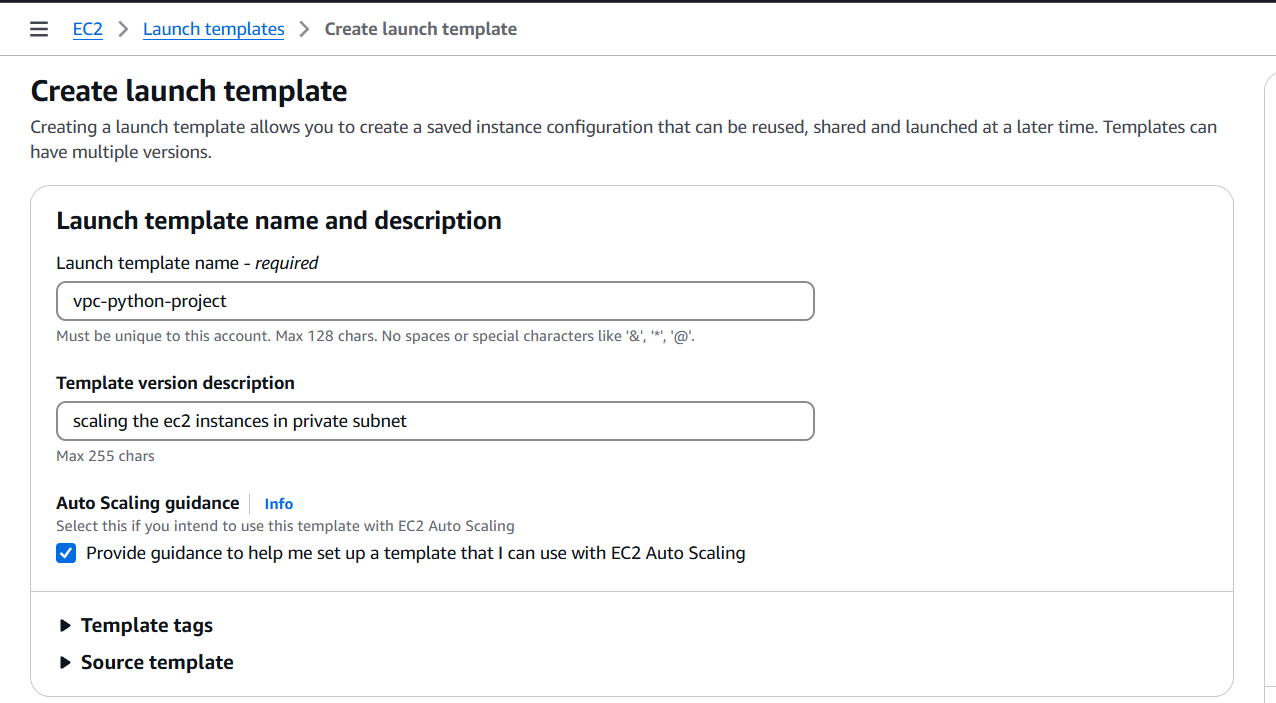
****

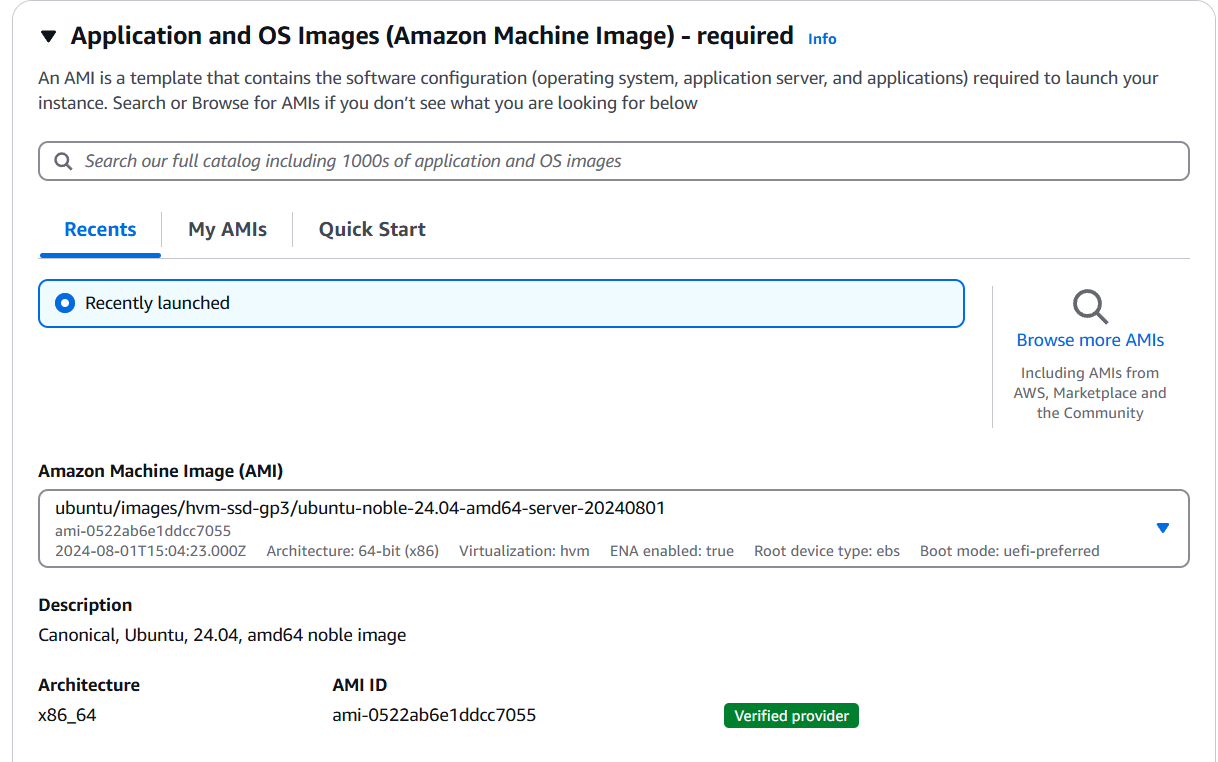
1. **Creating launch template for auto scaling group**

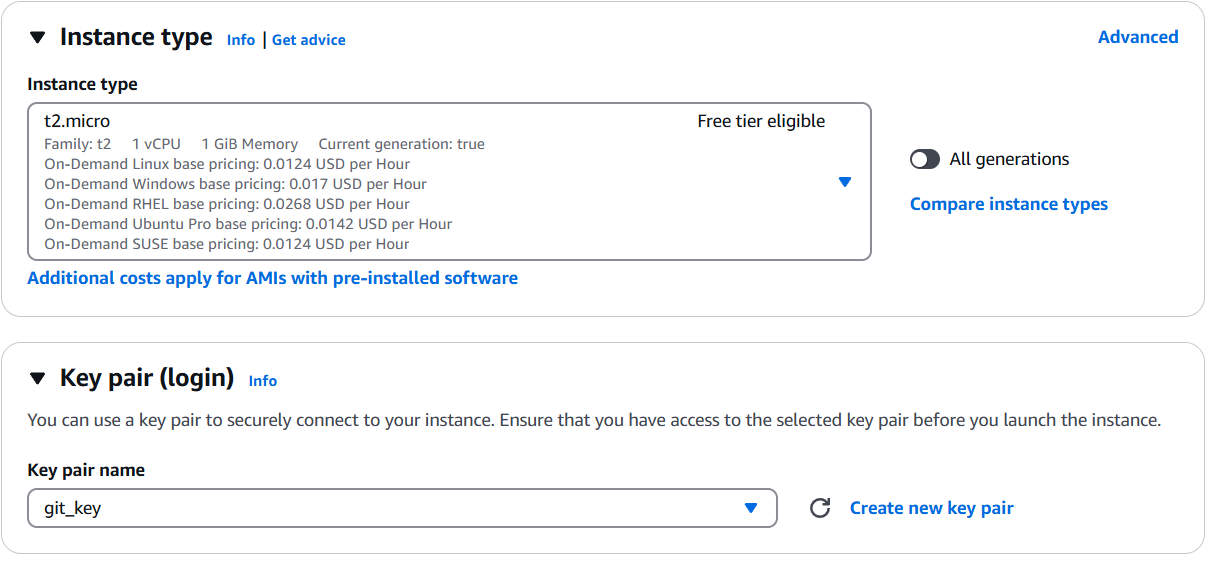
* **You need to create launch template first before creating the auto scaling group.**

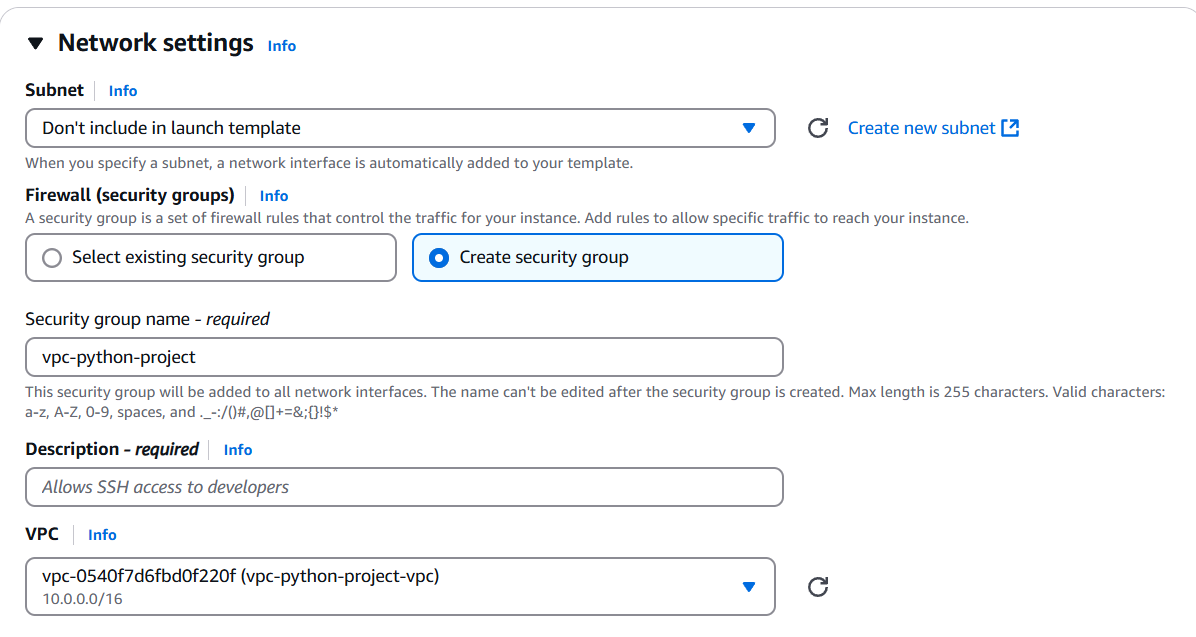
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* **Creating launch template**

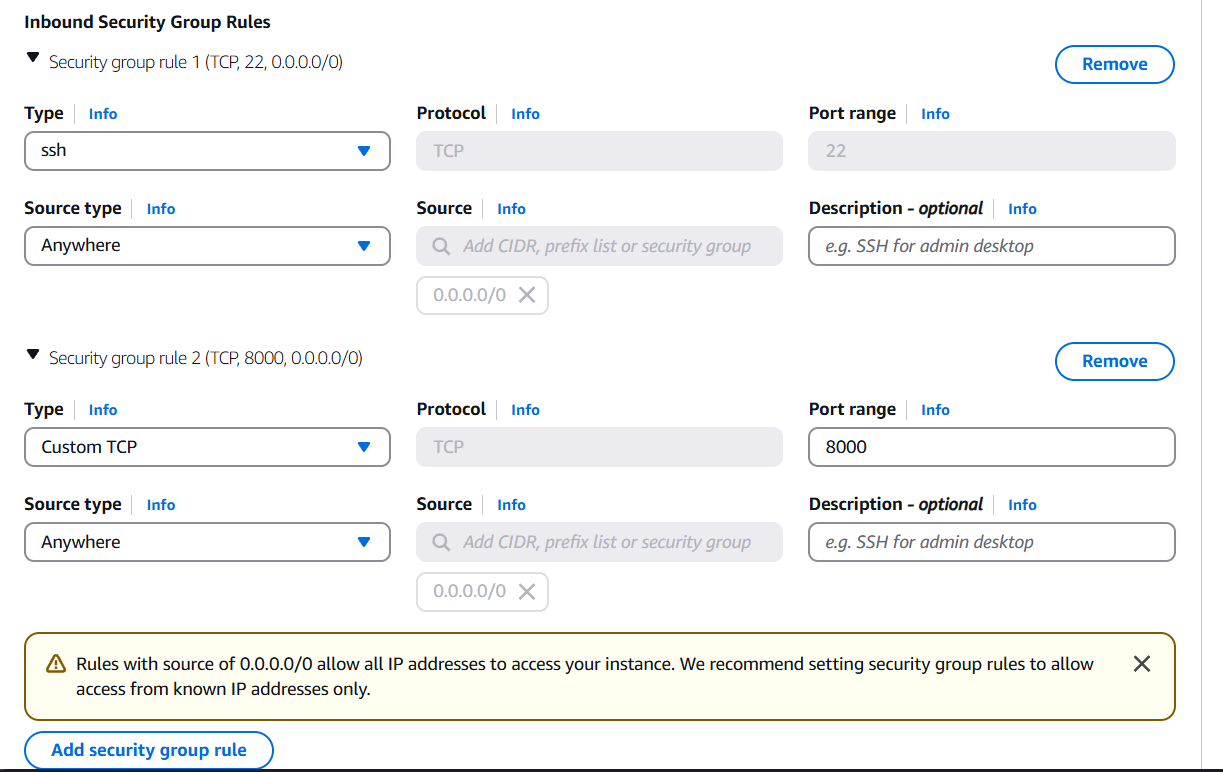
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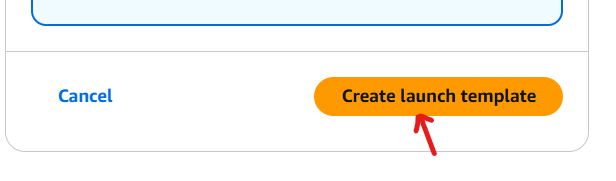
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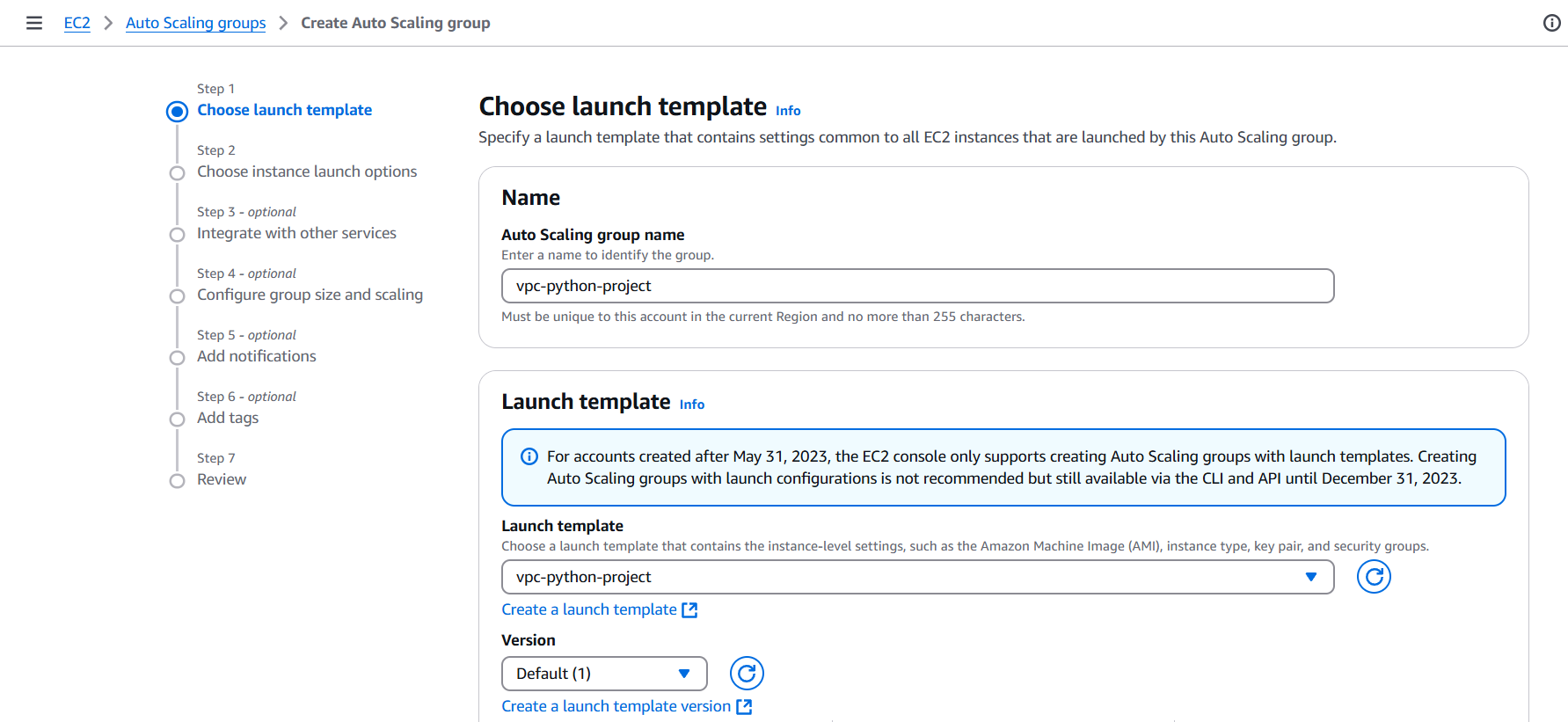
* **Creating inbound security group rule for ssh and application custom port 8000 which we are going to deploy on these instances.**

****

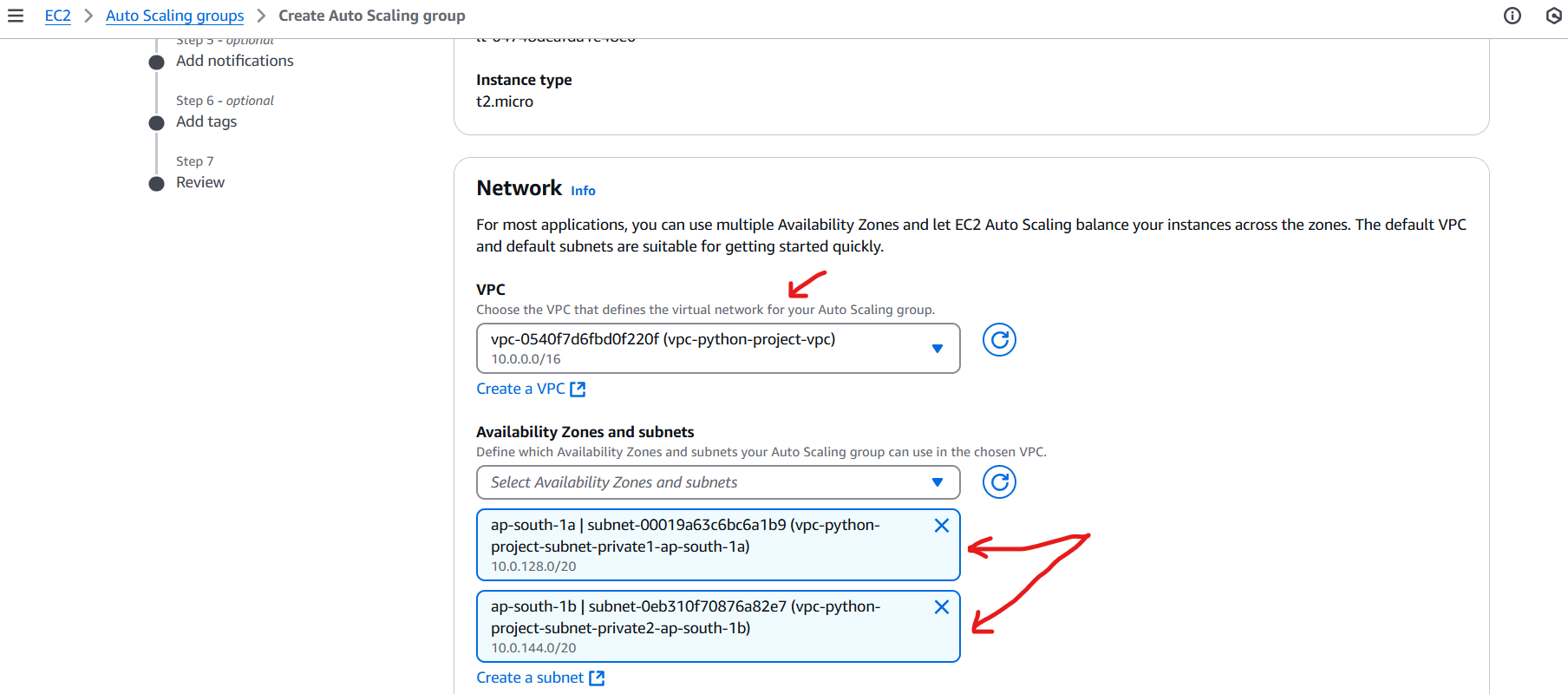
* **Click on create launch template**

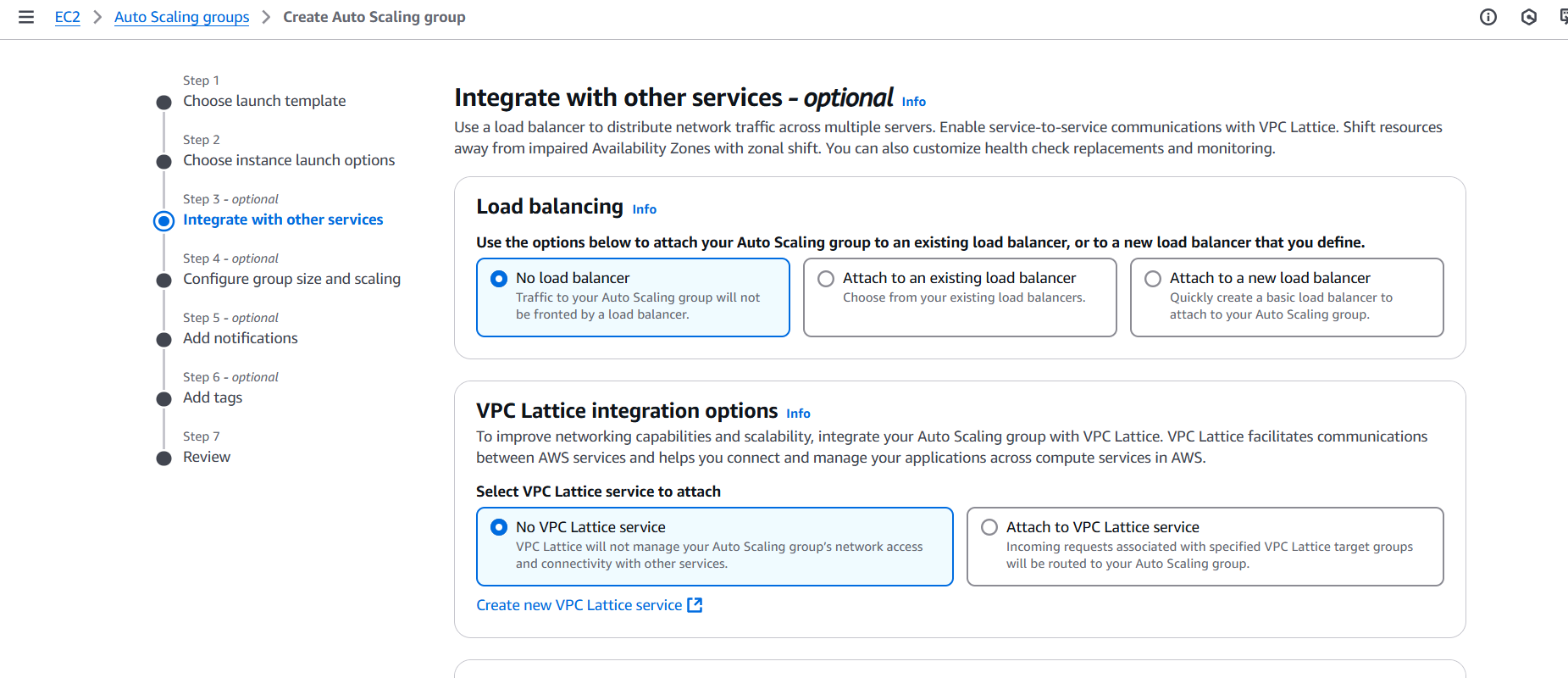
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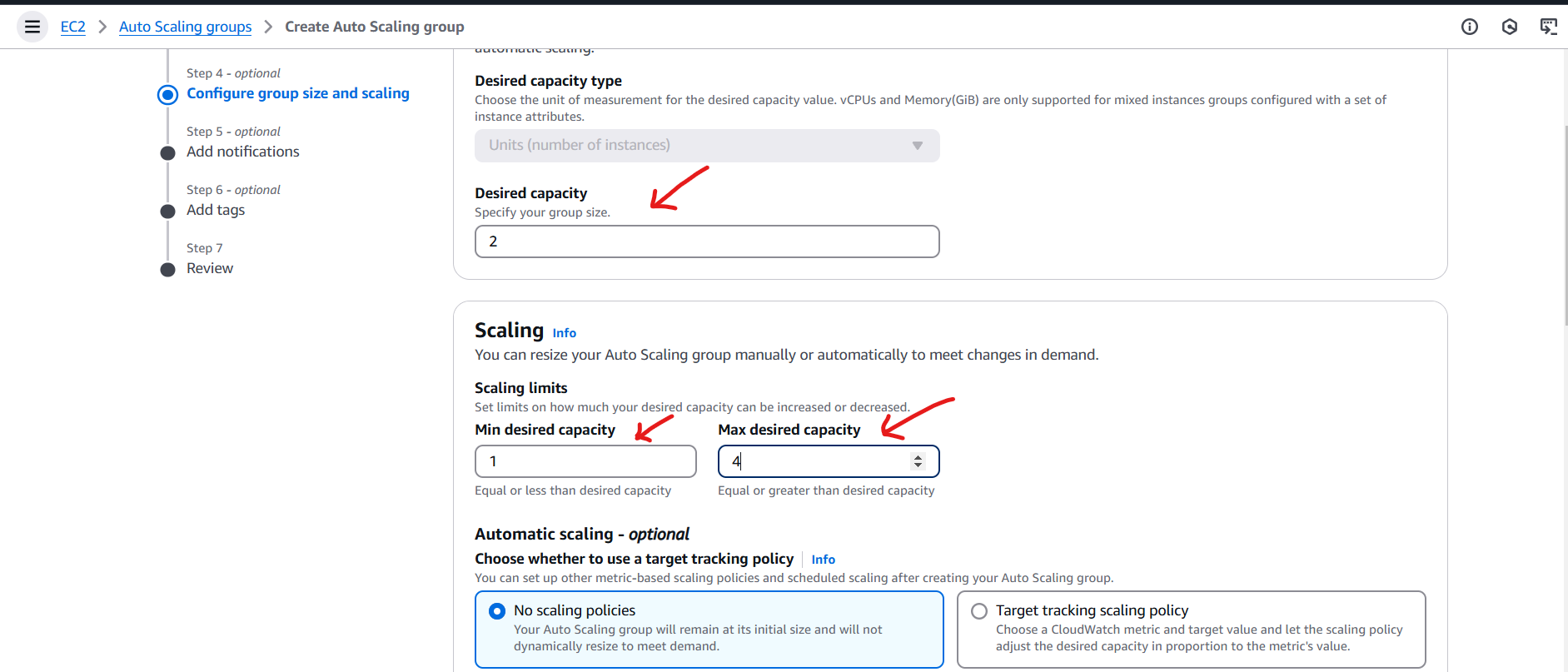
1. **Creating auto scaling group**

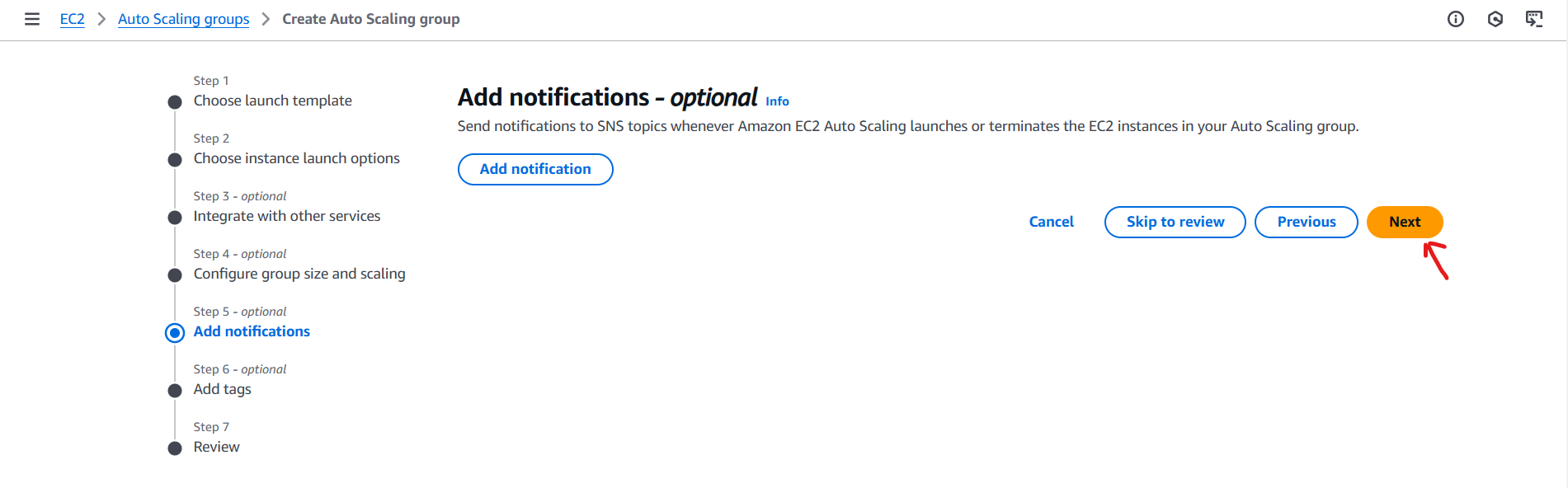
****

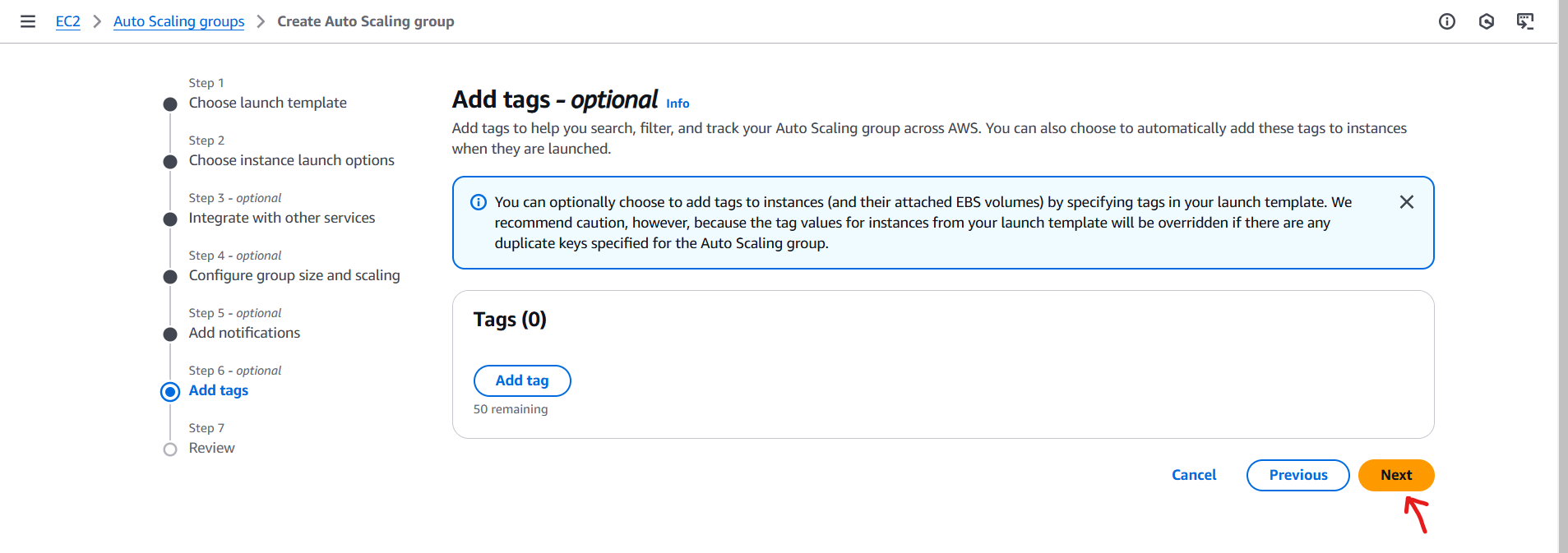
* **Select your VPC with private subnet since we have to keep our application secure do not want to expose it over the internet.**

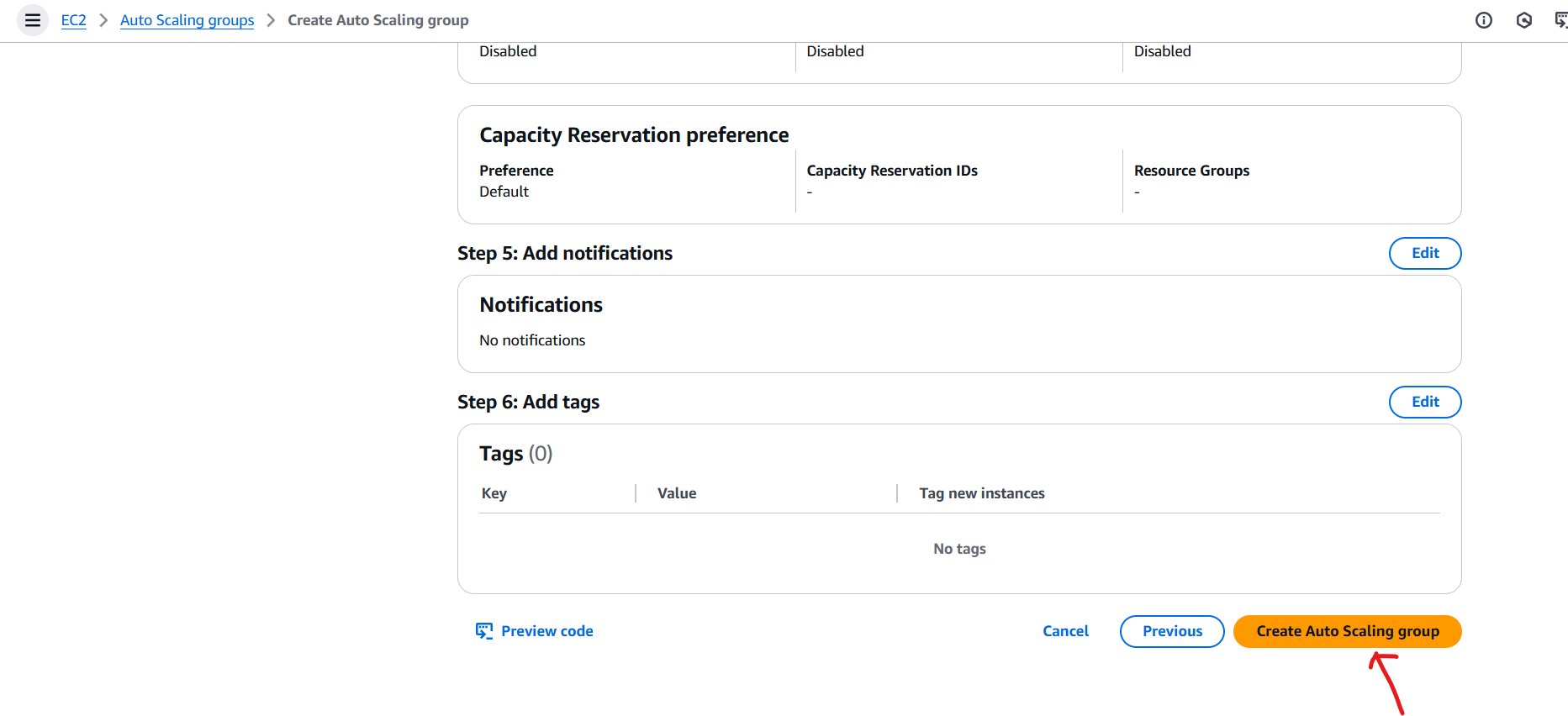
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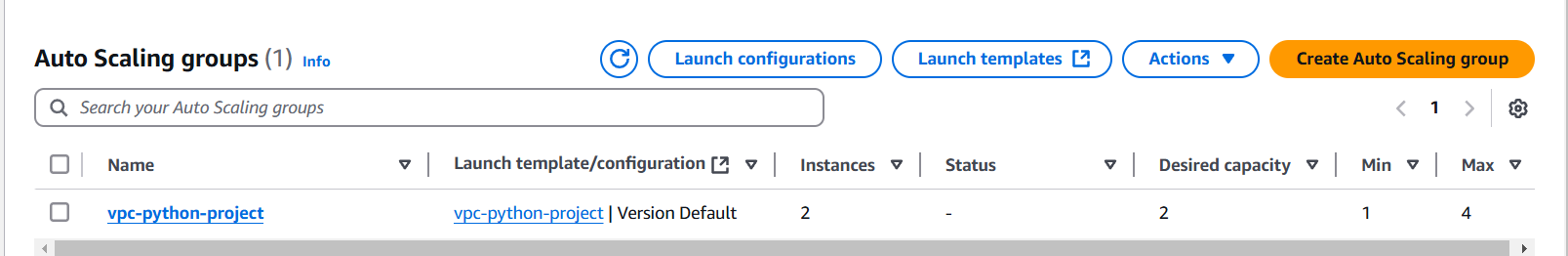
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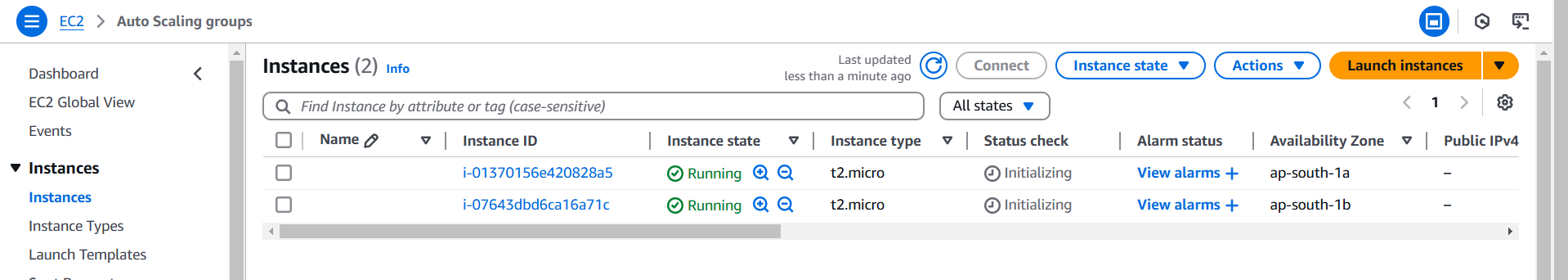
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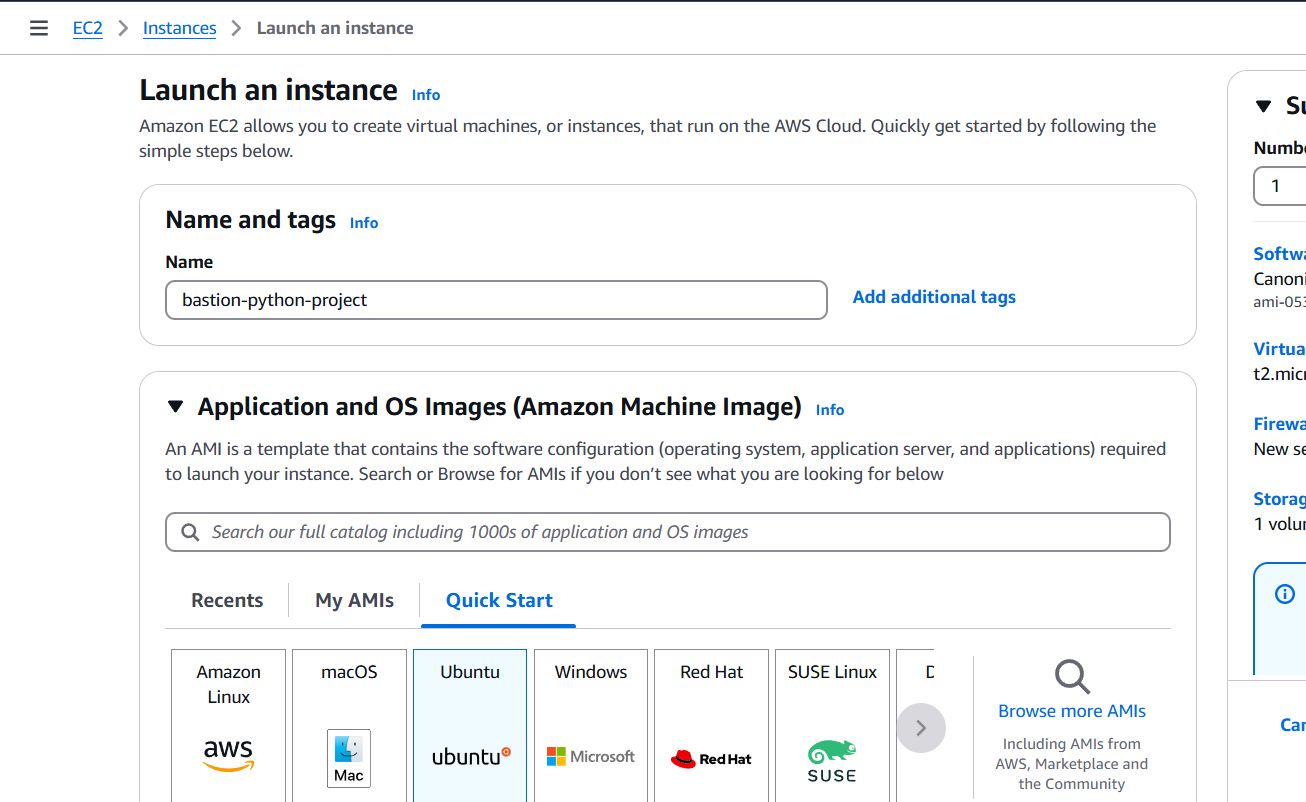
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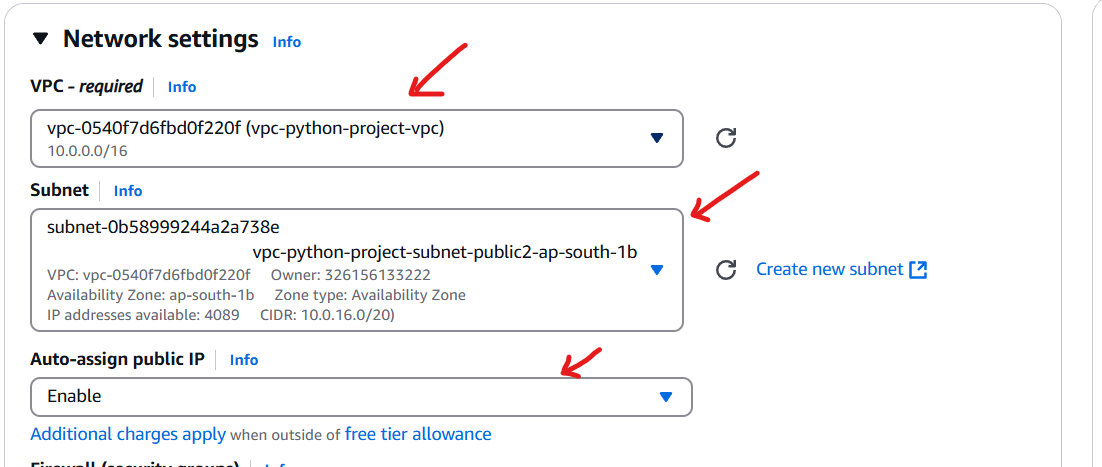
* **Now auto scaling group will create the instances as per desired capacity mentioned with private ips.**

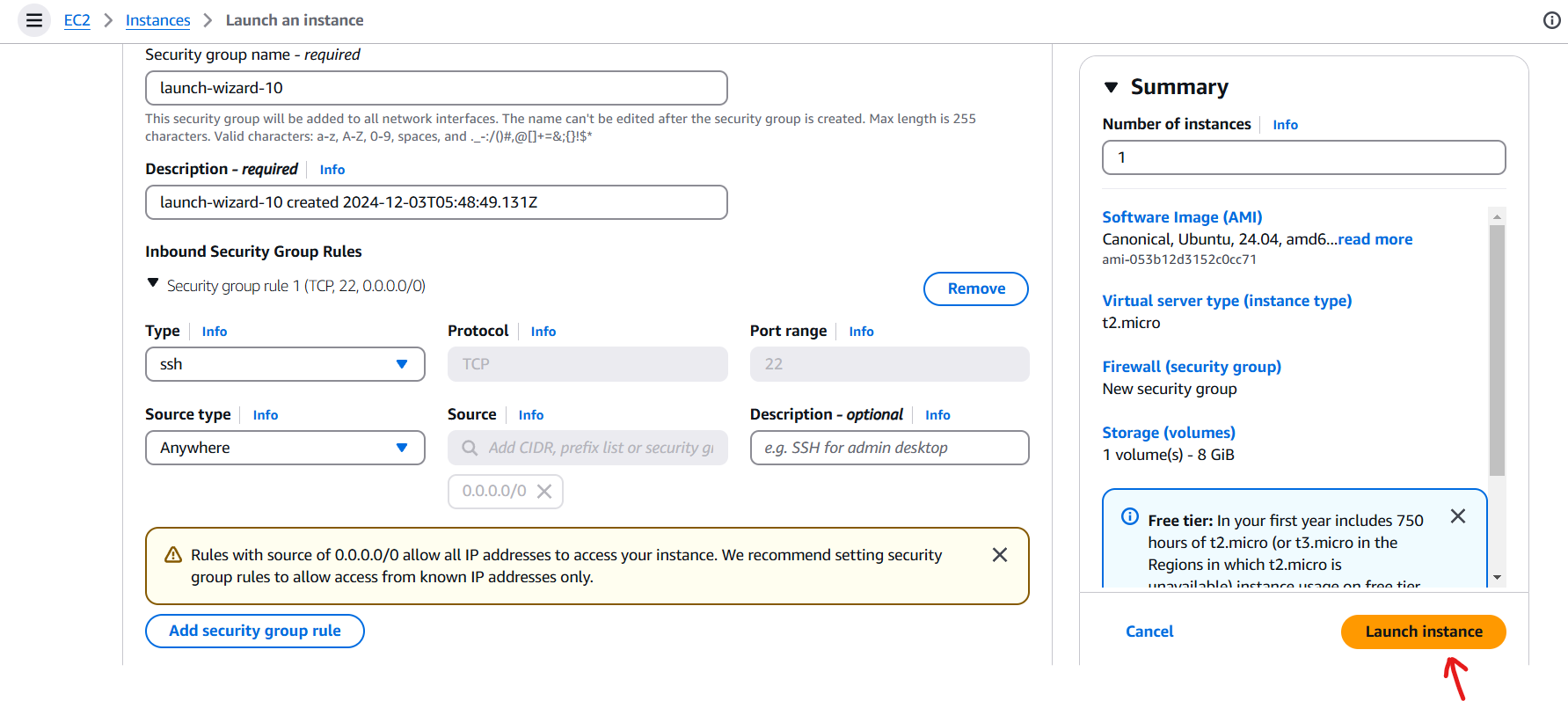
****

1. **Creating Bastion or jump host to access these instances since it do not have public ips. Bastion host is act as a mediator between private subnet and public subnet.**

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* **Selecting our VPC with public subnet.**

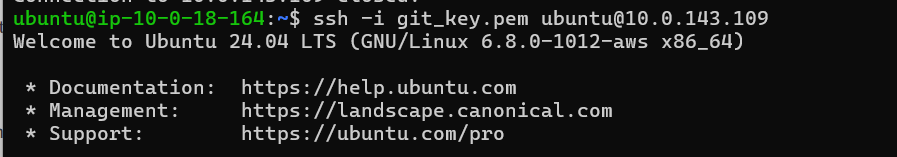
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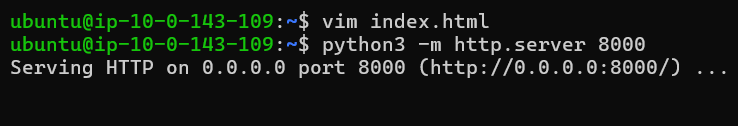
* **Copying pem key from local machine to bastion host to access application instance from bastion host.**

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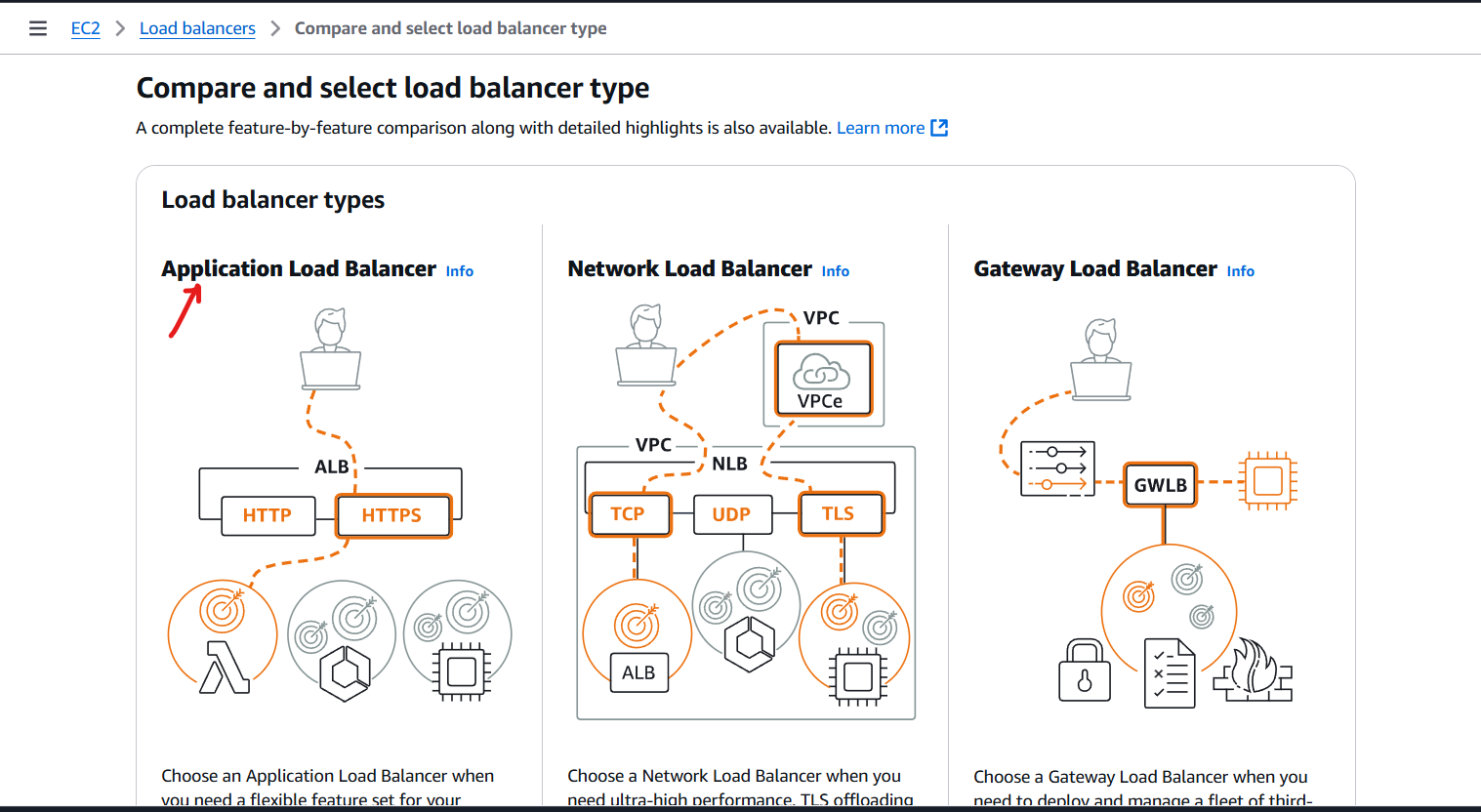
* **Successfully logged in to one of the application instance from bastion host.**

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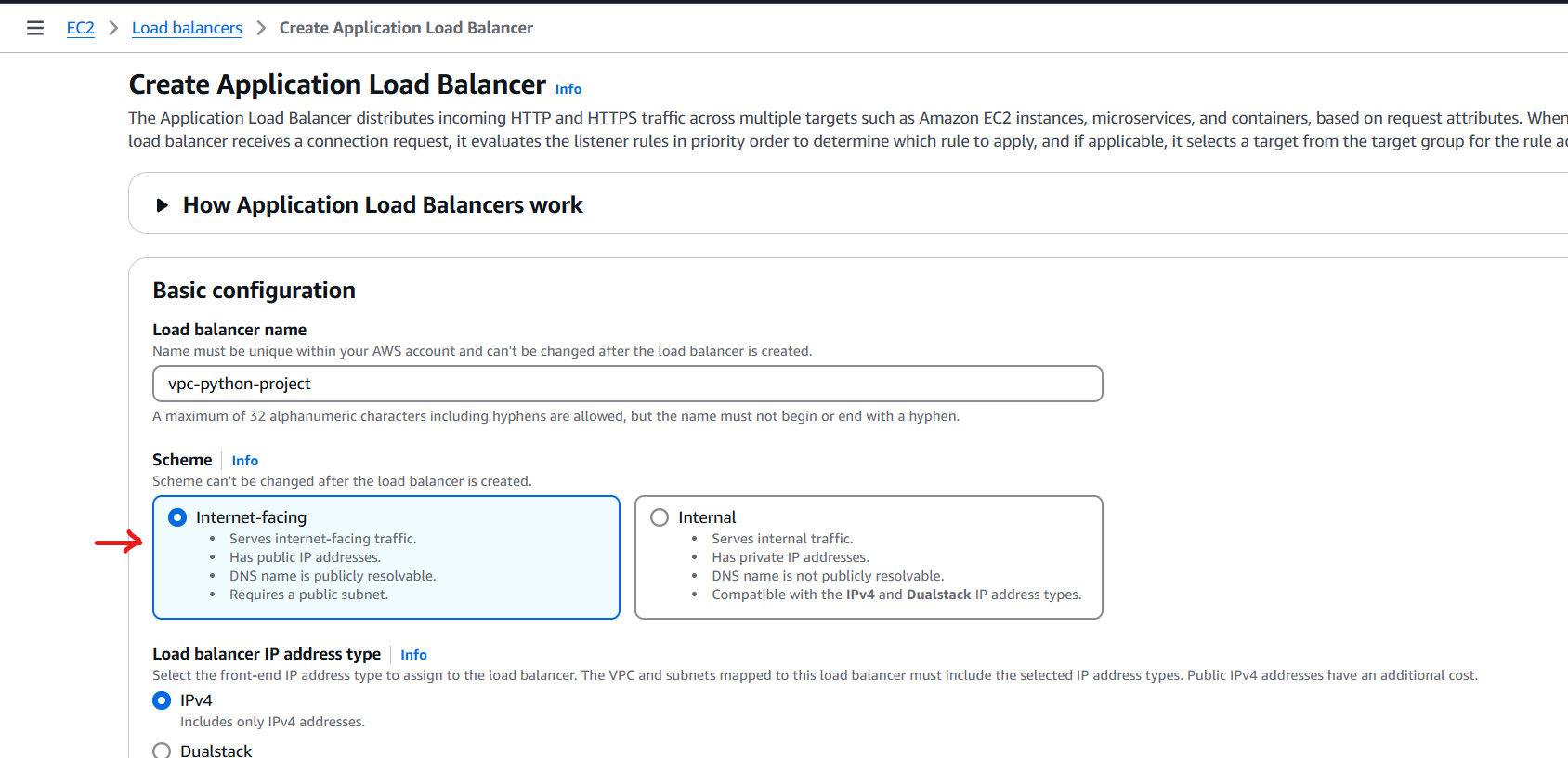
* **Running python server with sample index.html file on application instance.**

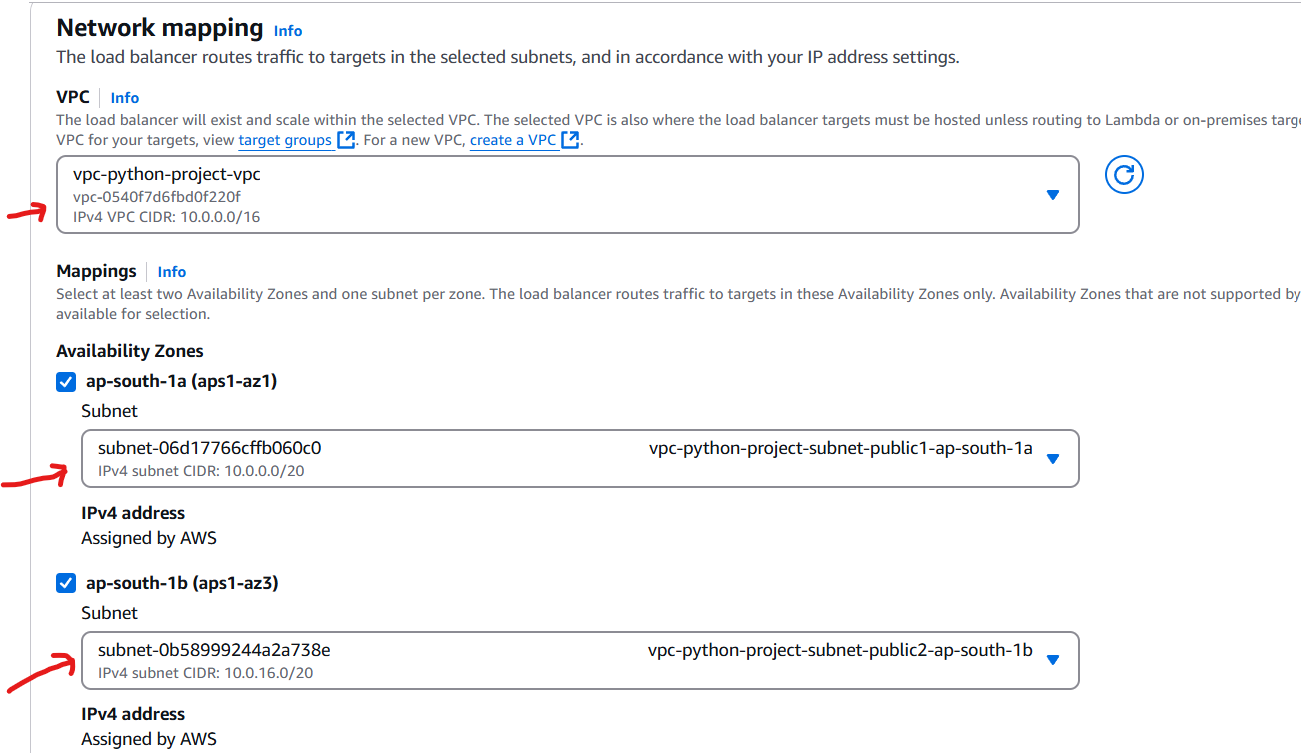
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1. **Creating Application load balancer to incoming requests to your application**

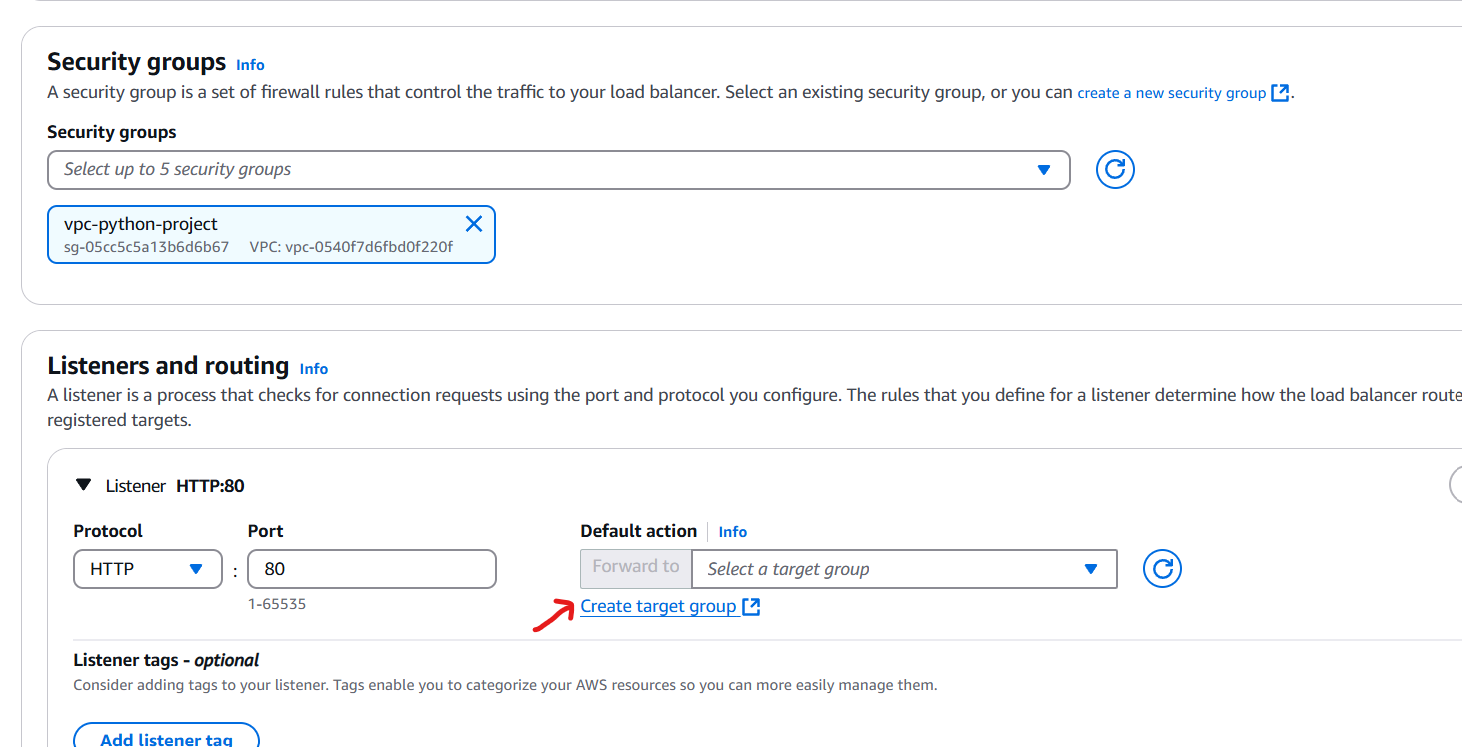
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* **LB should be internet facing.**

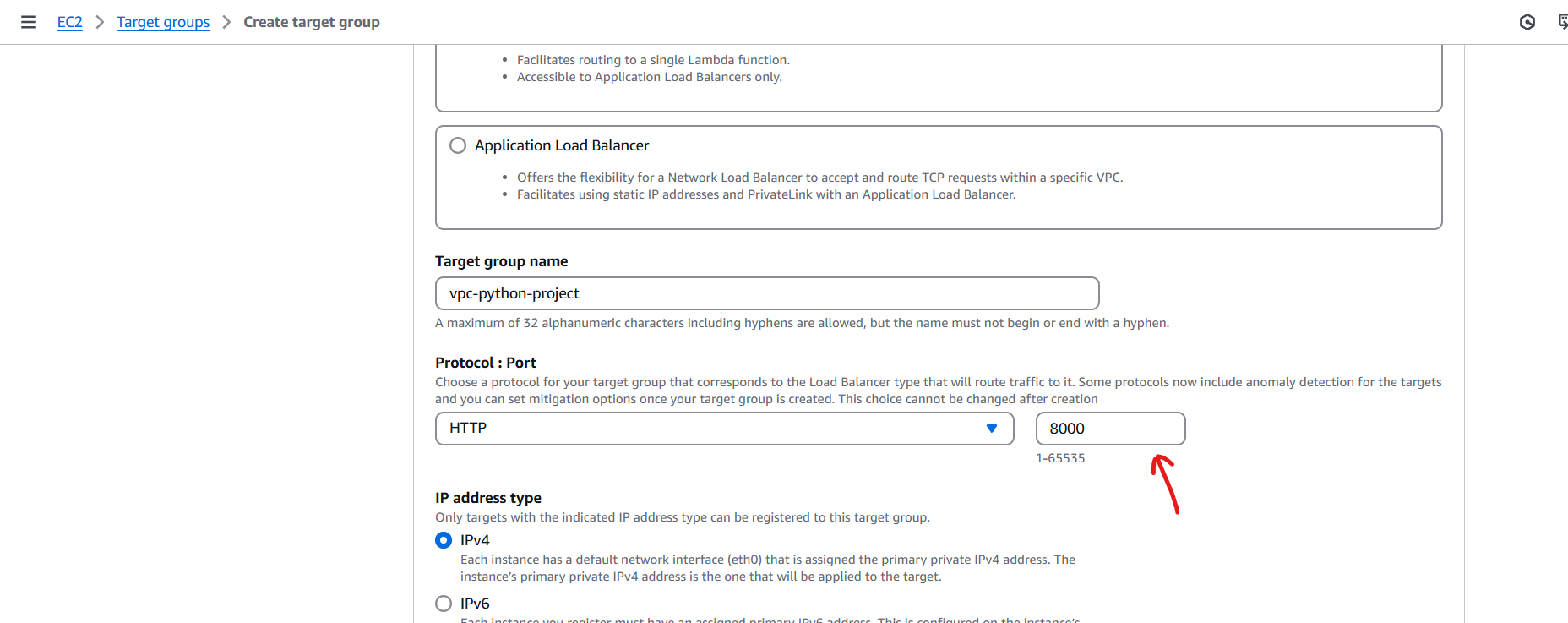
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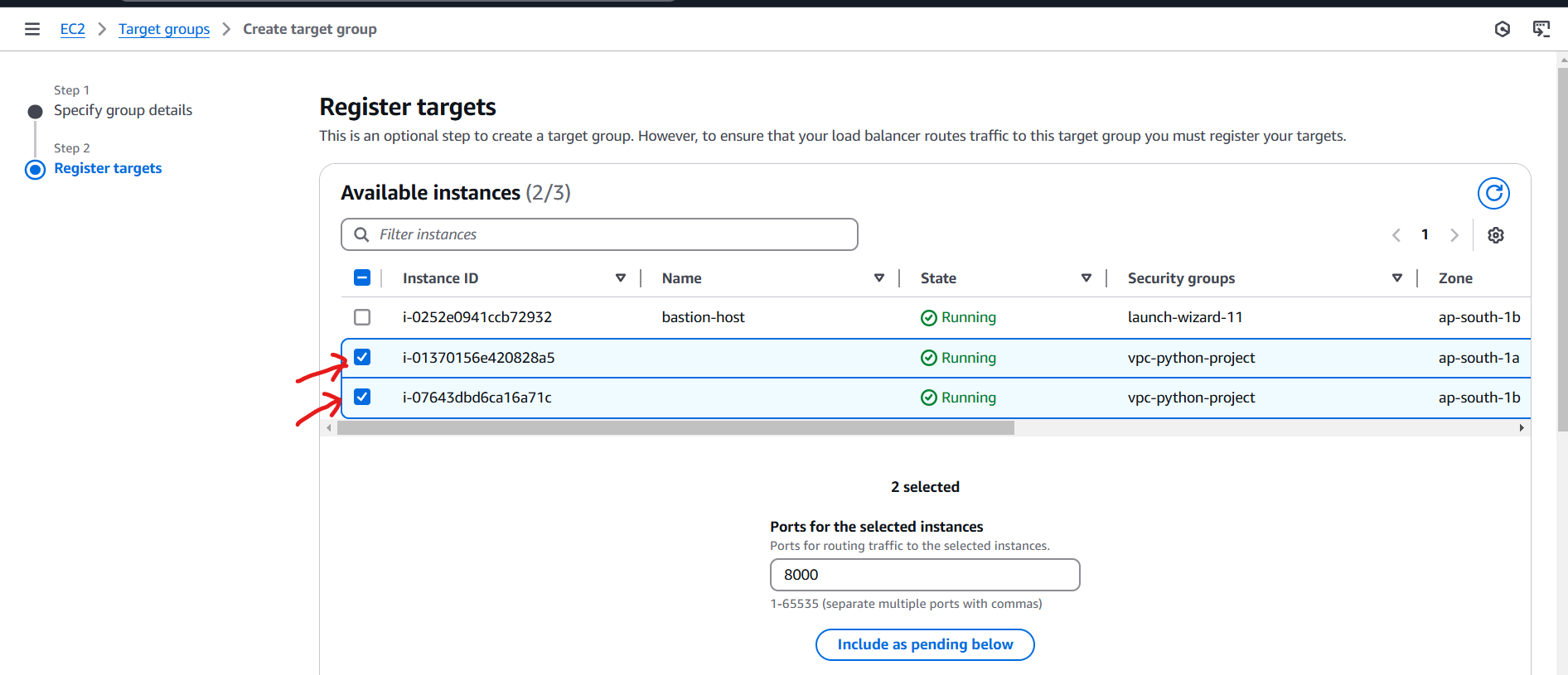
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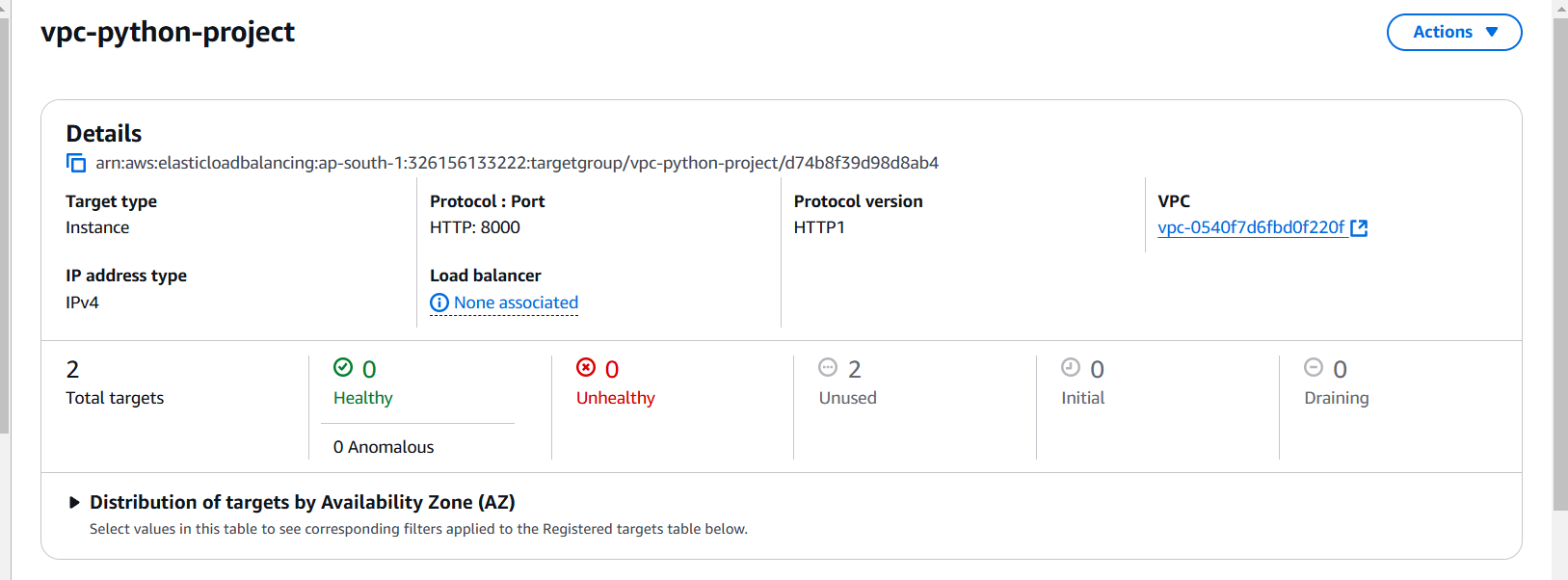
* **Creating target group**

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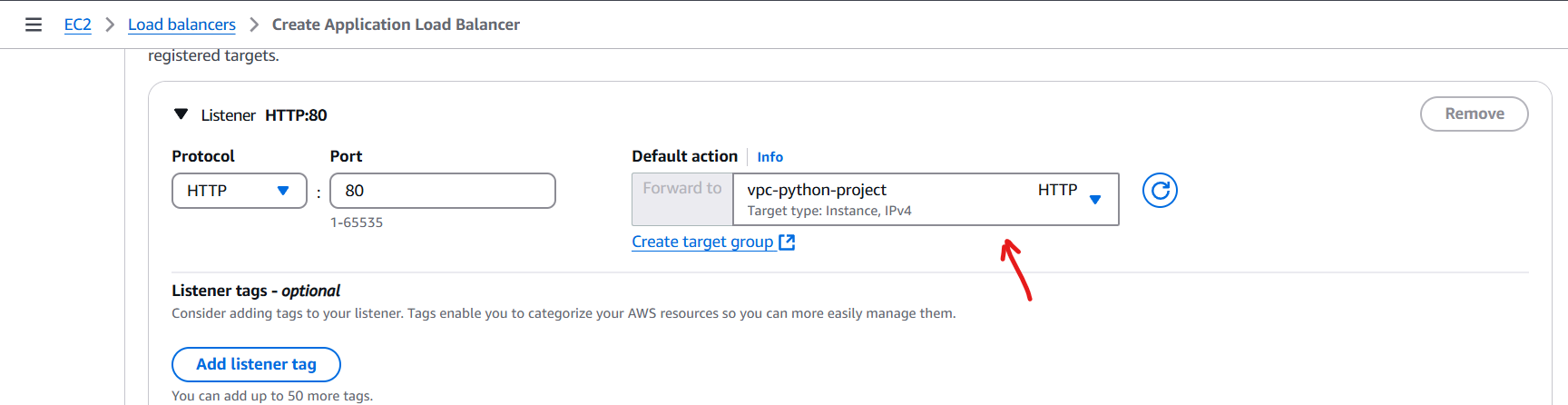
* **Selecting port 8000 since our application is running on same port.**

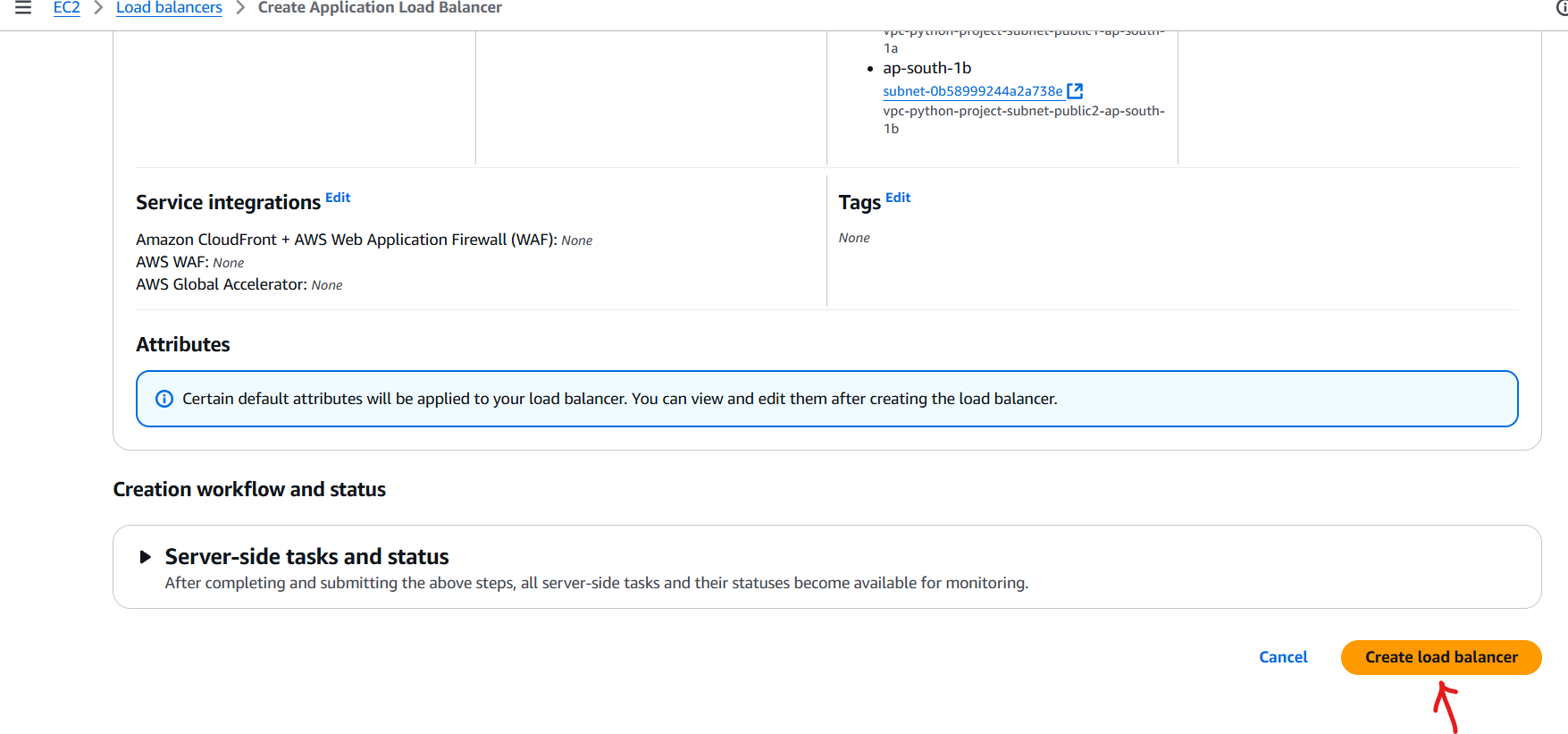
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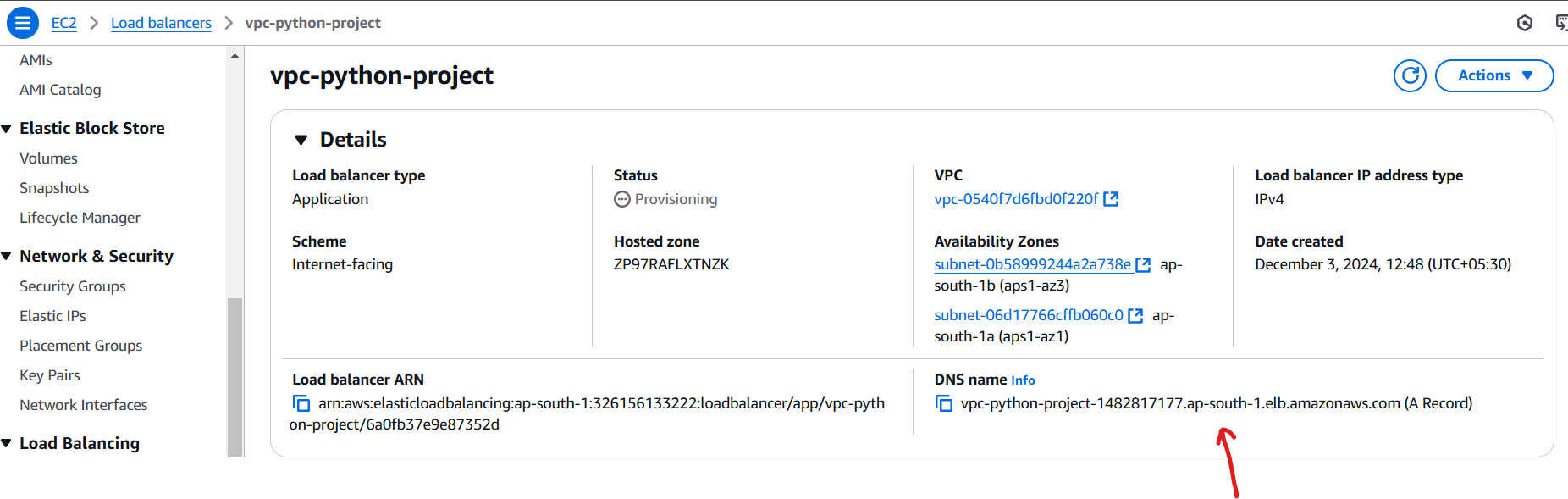
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* **Back to the ALB configuration.**

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* **Try to access your page by using DNS name present in LB.**

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