

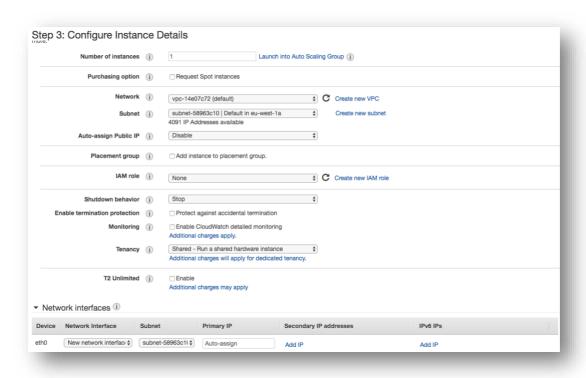


## How to preserve primary ENI (eth0) on AWS EC2 instances

Have you been in a situation where an instance associated with MAC/IP address is terminated but you needed to preserve the address beyond instance lifecycle? For instance, applications licenced by MAC/IP address or static routes/firewall port openings.

HeleCloud reveals its approach to preserve primary ENI on Amazon EC2 using AWS Console in few simple steps.

 Create a new EC2 instance with one new ENI (eth0). The network interface option is available when subnet is specified. The instance is named EC2 Instance1.



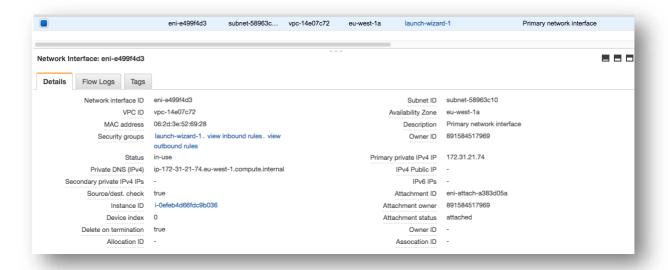
2. When created, the instance gets IP automatically assigned: 172.31.21.74.



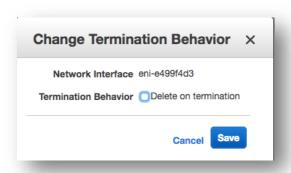




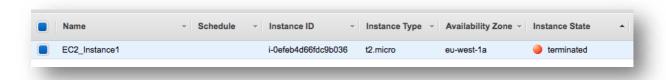
3. The ENI created for the instance is visible with status attached in the Network Interfaces section of EC2 console.



4. Change the termination behaviour, so the ENI is protected against instance termination.



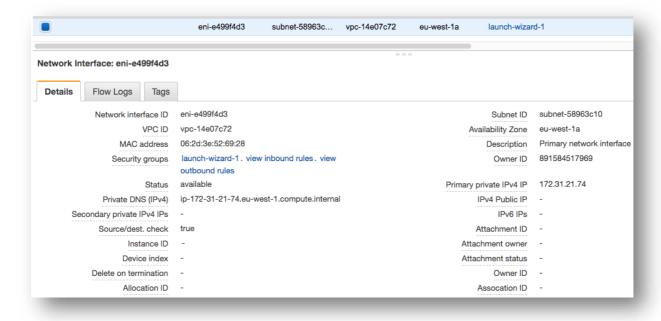
5. The EC2\_Instance1 is terminated and its primary interface remains available with clear Attachment status.



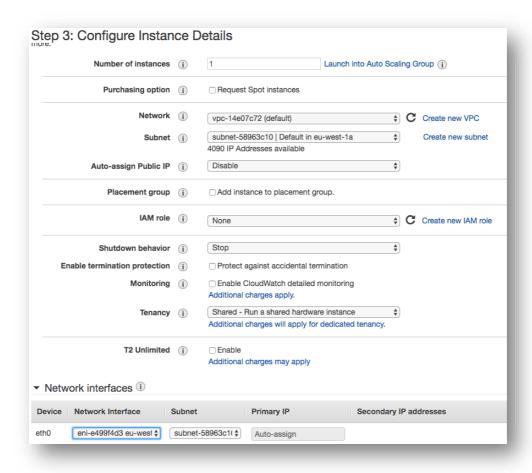


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The ENI is available for assignment to instances provisioned into the same subnet.



7. The newly provisioned EC2 instance named EC2\_Instance2 has the same IP



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## addresses as the one terminated: 172.31.21.74.

