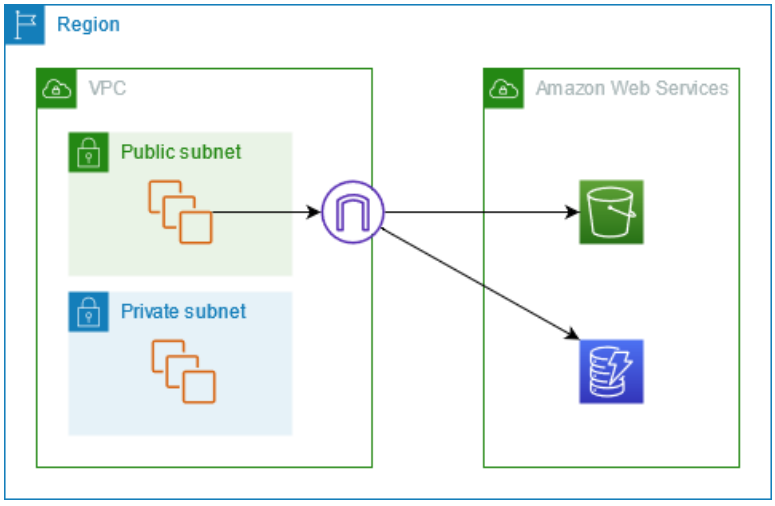
Gateway VPC Endpoint

Now, so far we have discussed the use of internet gateways and NAT instances, however these require us to access AWS services being hosted in the same data centers where the NAT infrastructure is through a connection external to AWS itself. Setting up and maintaining the networks using these connections therefore may be victims of needlessly redundant network hopping and operating costs.

Gateway VPC Endpoints aim to alleviate this problem somewhat by allowing us to access the AWS services of **S3** and **DynamoDB** directly from our VPC without connectivity to the internet, no NAT services required. They have become quite popular among cloud architects in recent years, probably also because of the fact that Gateway VPC Endpoints are **free** and have no additional charge associated with them, no matter the amount of inbound and outbound traffic passing through them.



Architecture diagram showcasing Gateway VPC Endpoints

VPC endpoints and how they work will be discussed in future sections.

For now, remember that VPC Gateway Endpoints differ from normal VPC Endpoints because they do not use AWS PrivateLink, unlike the other type of VPC endpoints.