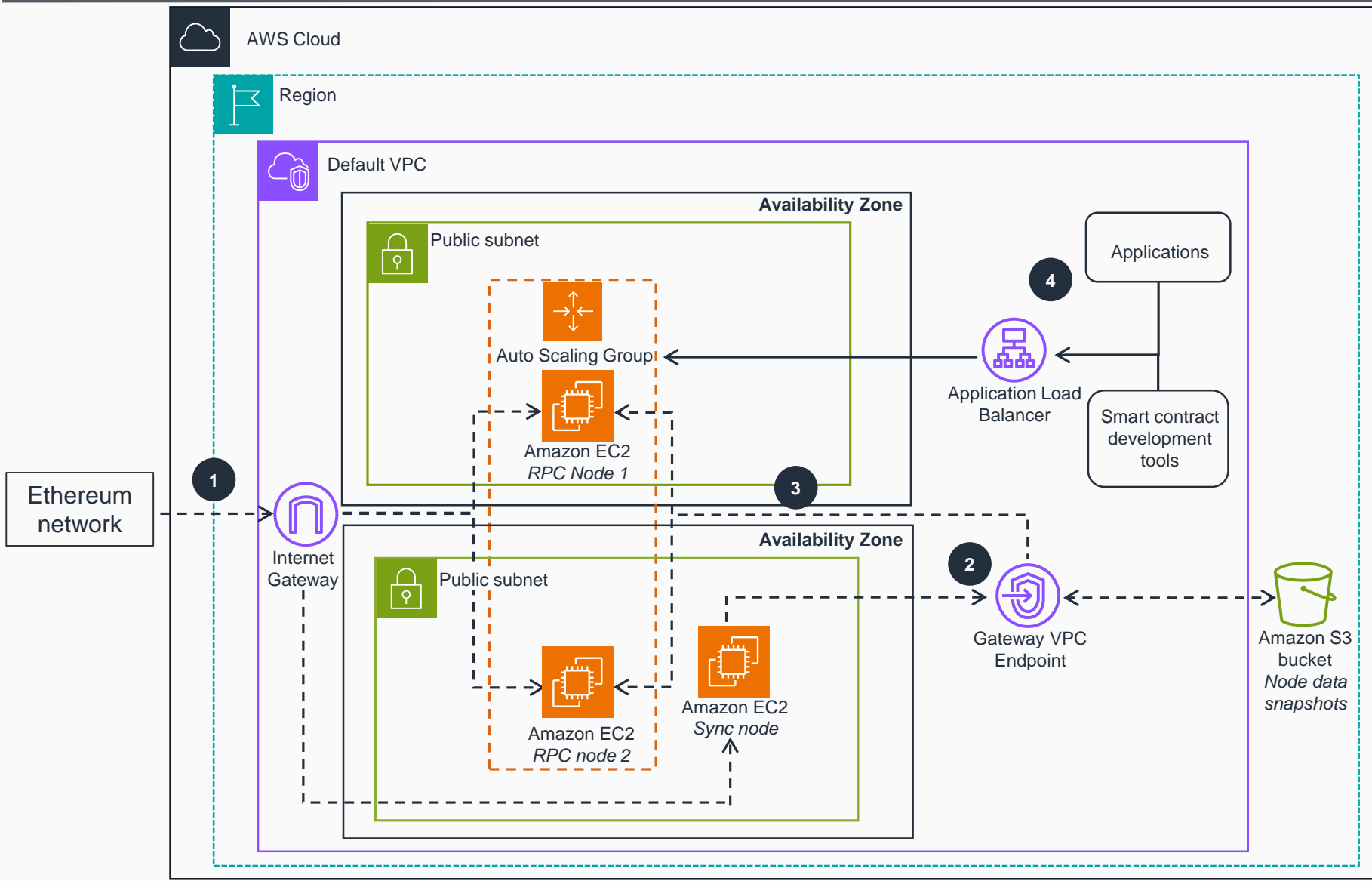


Guidance for Running Ethereum Clients on AWS

This architecture diagram shows how to run highly available Ethereum clients in an AWS environment.



- 1 The sync node and Remote Procedure Call protocol (RPC) nodes, powered by **Amazon Elastic Compute Cloud (Amazon EC2)**, synchronize their state with other nodes on the Ethereum blockchain network.
- 2 The **Amazon EC2** sync node periodically copies node state snapshot data to an **Amazon Simple Storage Service (Amazon S3)** bucket to provision new **Amazon EC2** RPC nodes.
- 3 When RPC nodes within an **Amazon EC2 Auto Scaling Group** start for the first time, they automatically download node state snapshot data from the **S3** bucket.
- 4 Applications and smart contract development tools access highly available RPC nodes behind an **Application Load Balancer** from the same virtual private cloud (VPC).

