

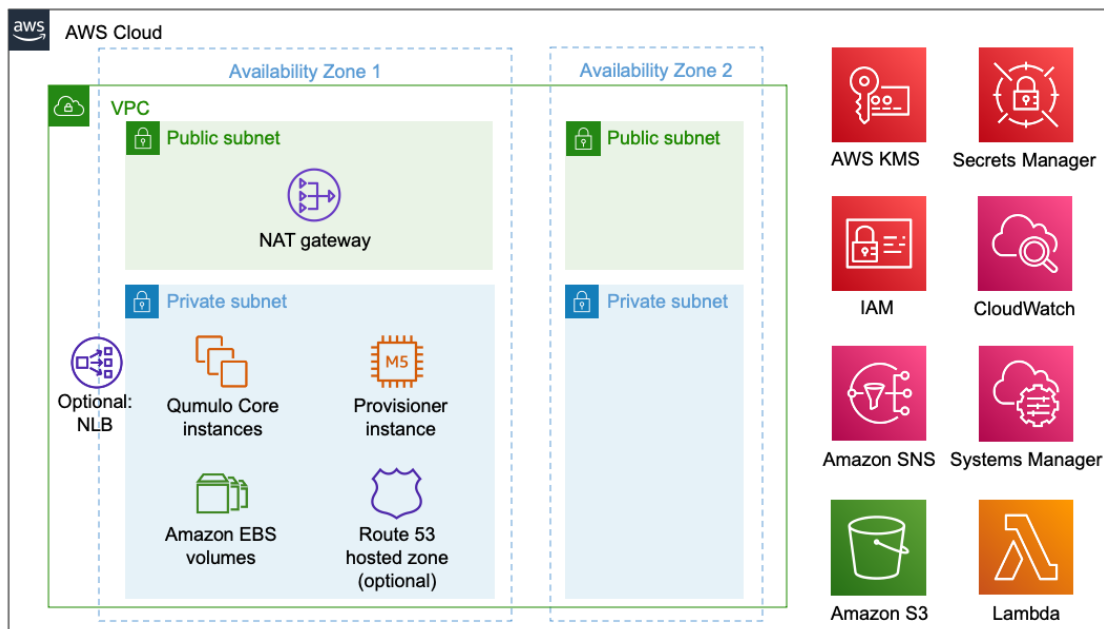
Cloud Q Quick Start

Deploying with an AWS NLB

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Overview

A Qumulo cluster may be deployed with an NLB front-ending the cluster as shown below.



Benefits of using an NLB

Using an NLB simplifies the load distribution to the cluster. Qumulo floating IPs are no longer required and do not need to be added to DNS for load distribution or IP failover.

Configurations that require access via PrivateLink will also require an NLB.

- Access the cluster via AWS PrivateLink
- Simplify DNS configuration by removing the need for Qumulo floating IPs
- Free up IP address space in tightly masked subnets

Detriments of using an NLB

Additional AWS costs and protocol limitations should be considered.

- An NLB adds additional costs: both monthly and throughput based
- NFSv3 locking is not reliable via an AWS NLB
- FTP should be avoided due to the use of ephemeral ports



Deploying on NLB

Use the **Deploy Cloud Q into an existing VPC with Advanced parameters** template. Select **'YES'** for the **QNLb** parameter. For the subsequent parameter specify the subnet to deploy the NLB in. When the CloudFormation stack has completed the deployment an output, **QumuloNLBPrivateURL**, will be available from the top-level stack with the URL to the NLB. All UNC paths must use this URL to mount the cluster.

