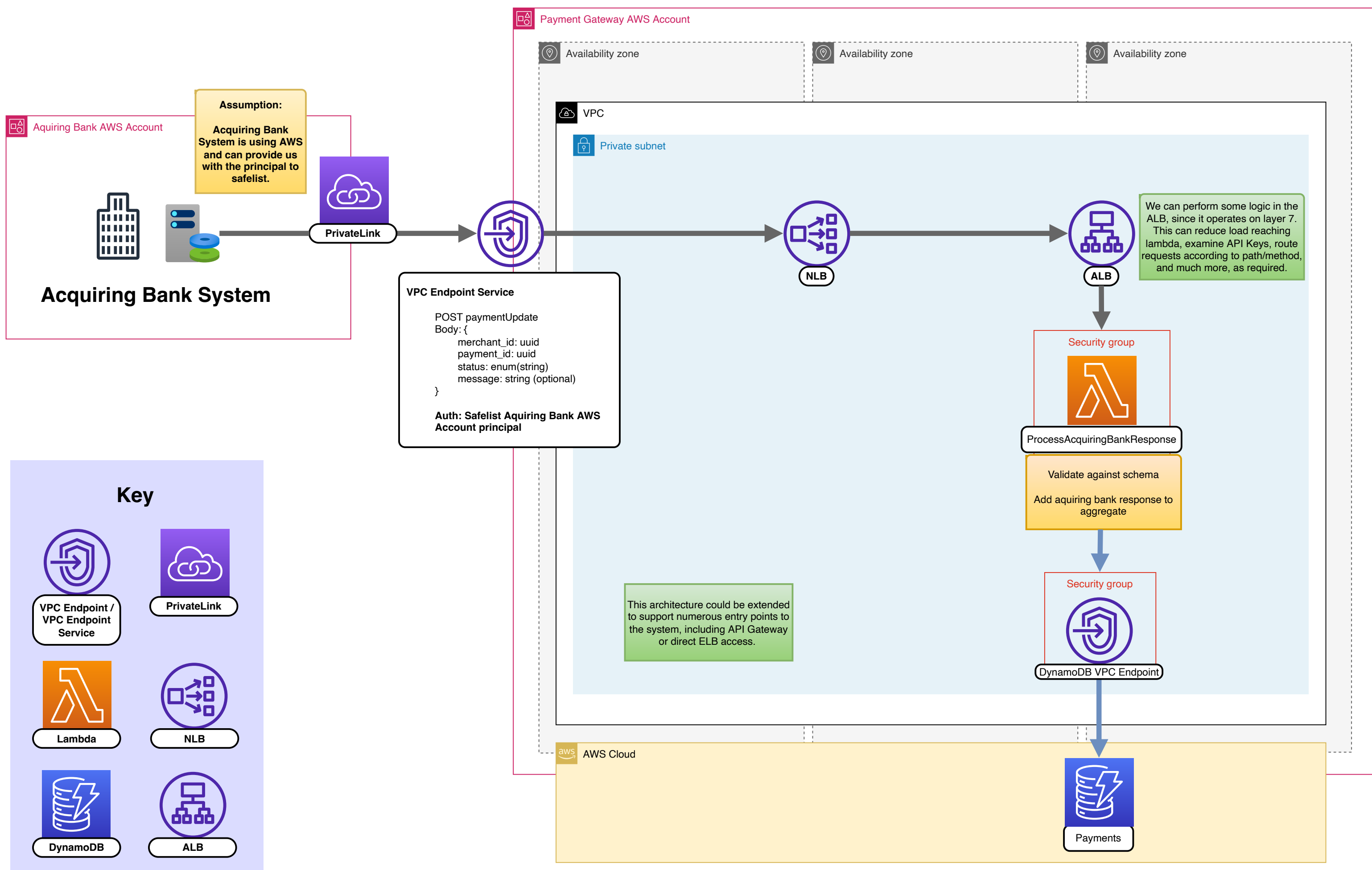


Acquiring Bank: Send update regarding Payment Request



Reasoning

Why VPC Endpoint Service?

Assumption of closer collaboration with Acquiring Bank than with clients of Payment Gateway API

Traffic from Acquiring Bank to Payment Gateway AWS accounts travels over AWS backbone, utilising PrivateLink technology. This reduces costs and improves security.

Why not Private API Gateway?

PrivateLink can also be achieved with a Private API Gateway that safelists VPC Endpoint IDs of clients. VPC Endpoint IDs are nominally less stable than AWS principals, so safelisting principals is simpler to achieve.

Additionally, when using PrivateLink to authenticate requests, the benefits of API Gateway (such as simple Cognito integration) are less impactful.

Can we support alternative entry points to the system?

Yes!

We could have edge APIs, private APIs, public facing load balancers, shared SQS/SNS, and more, if required.

Ports and Adaptors / Hexagonal architecture enables numerous entry (and exit) points to a system. Requests from various sources must first be mapped into commands expressed in our domain specific language. The core of the system then works with those commands as inputs, unaware of how the request was routed.