



- 1** Users first make an HTTP GET request to an Application Load Balancer (ALB) endpoint with attributes stored in the header defining their assigned group and the resource identifier to be accessed.
- Parameters:**
 - group
 - resource
- 2** The Application Load Balancer will route requests into an Amazon Elastic Container Service (Amazon ECS) Cluster containing the *Primary* and *Sidecar* containers deployed in a sidecar pattern.
- 3** Incoming requests will first reach the primary container, where a NodeJS web service uses the group and resource values stored in the request header to form a policy request.
- 4** The web service will then send the policy request to the sidecar container running Open Policy Agent (OPA) to evaluate the request.
- 5** The OPA daemon receives the incoming request and performs a policy evaluation against stored data and policy documents.
- 6** Once the policy evaluation is complete, OPA will return a boolean (true/false) policy response to the web service.
- 7** Depending on the policy response, the web service will return an authorization decision to the requesting user with an HTTP response stating that the user is either Authorized or Not Authorized to access the requested resource.