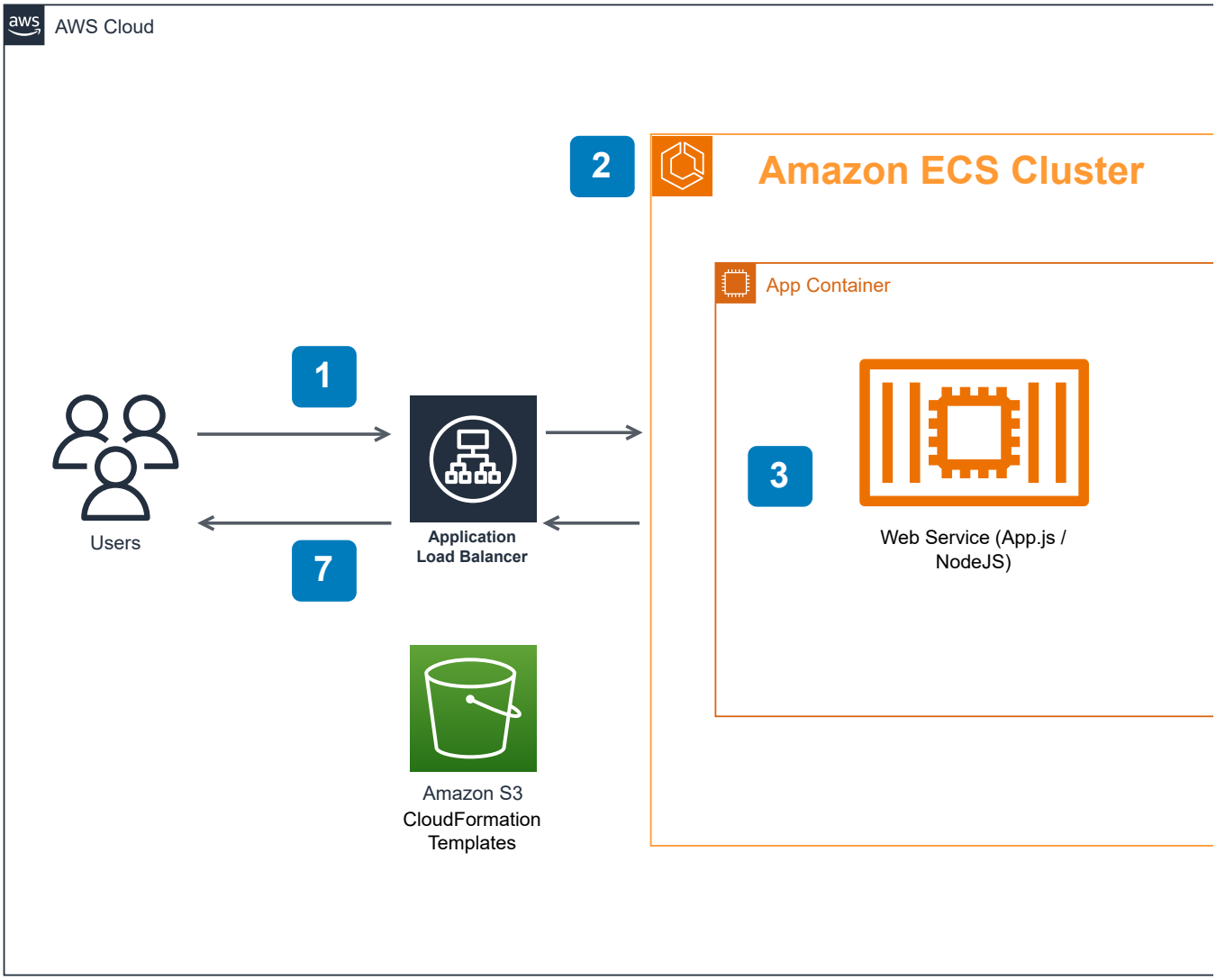
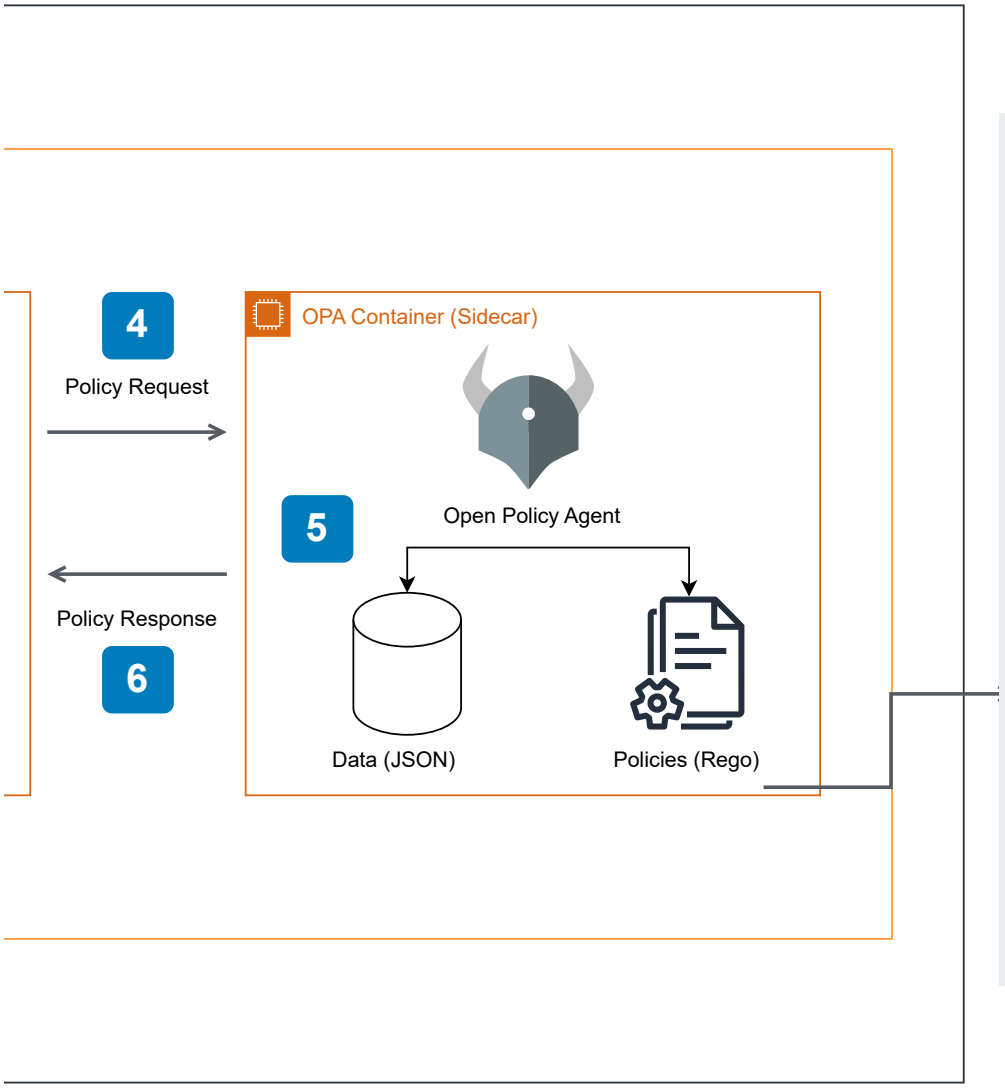

AWS Cloud
2
Amazon ECS Cluster
App Container
1
3
Users
Application
Load Balancer
Web Service (App.js /
NodeJS)
7
Amazon S3
CloudFormation
Templates



1 Users first make an HTTP GET r
(ALB) endpoint with attributes stc
assigned group and the resource

Parameters:
- group
- resource

2 The Application Load Balancer w
Elastic Container Service (Amazc
the *Primary* and *Sidecar* containe

3 Incoming requests will first reach
NodeJS web service uses the grc
request header to form a policy re

4 The web service will then send th
container running Open Policy Ag

5 The OPA daemon receives the in
evaluation against stored data ar

6 Once the policy evaluation is con
(true/false) policy response to the

7 Depending on the policy respons
authorization decision to the requ
stating that the user is either Auth
requested resource.

equest to an Application Load Balancer
ored in the header defining their
identifier to be accessed.

ill route requests into an Amazon
on ECS) Cluster containing
ers deployed in a sidecar pattern.

the primary container, where a
oup and resource values stored in the
equest.

he policy request to the sidecar
gent (OPA) to evaluate the request.

ncoming request and performs a policy
nd policy documents.

mplete, OPA will return a boolean
e web service.

se, the web service will return an
uesting user with an HTTP response
horized or Not Authorized to access the