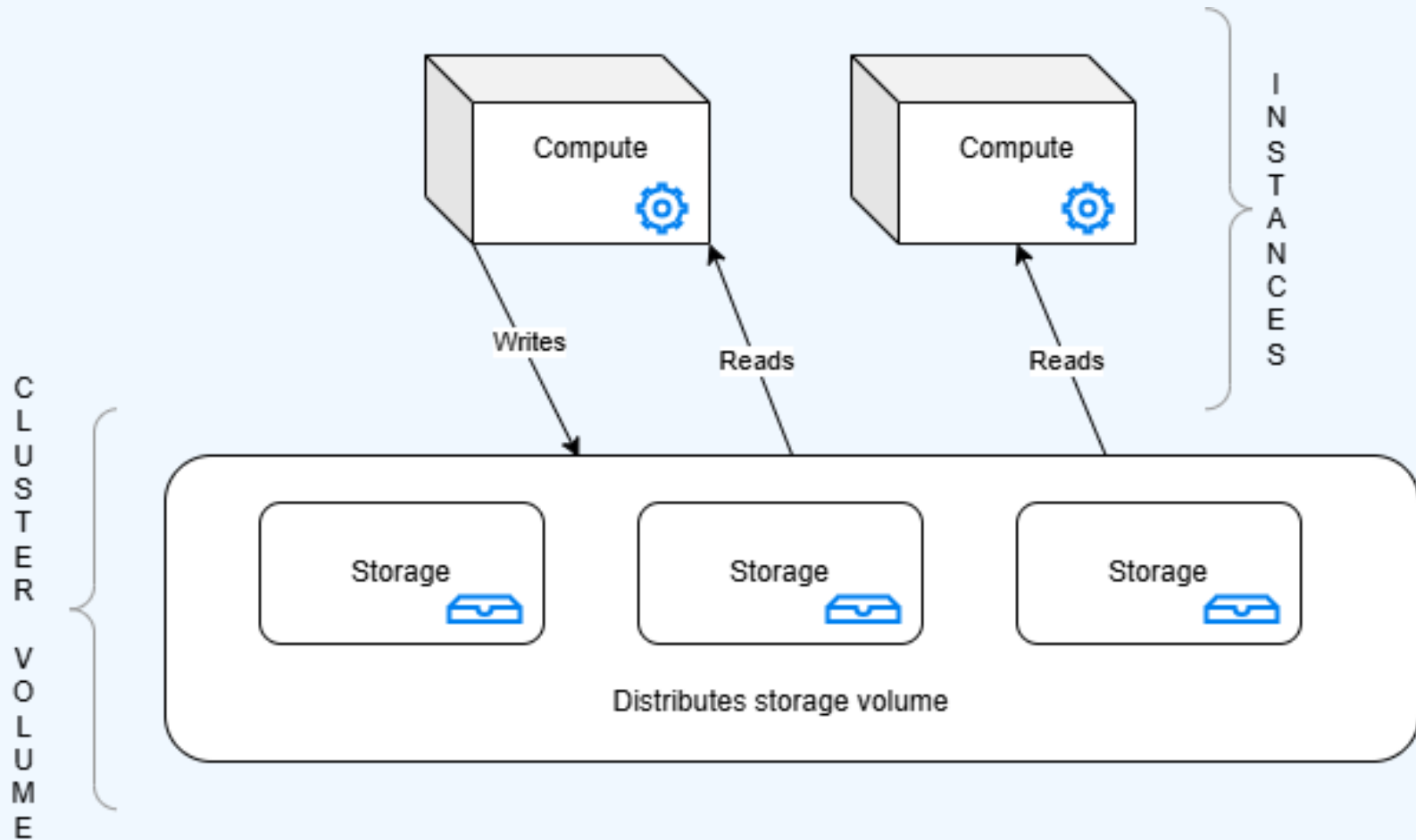


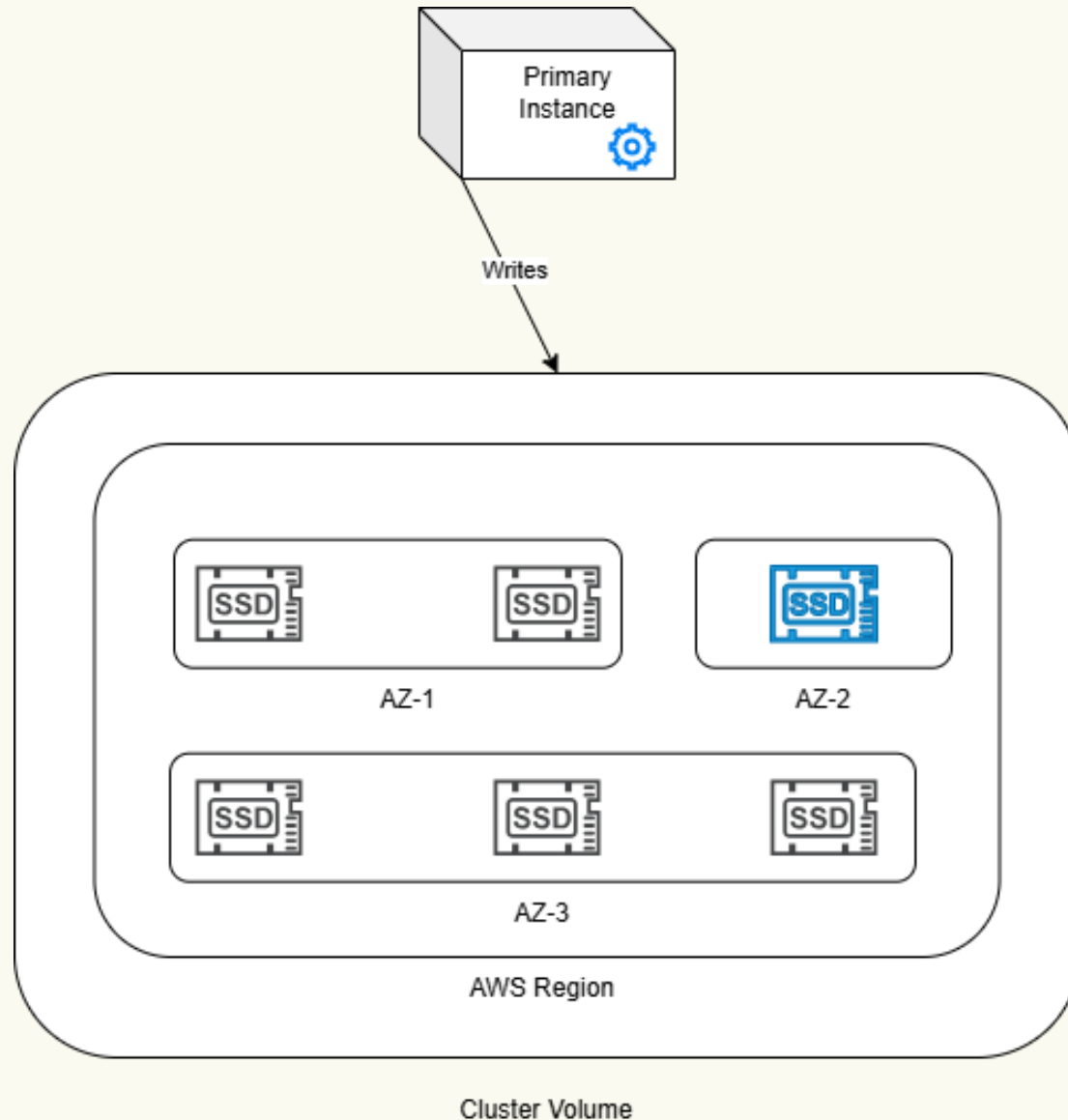


# **Amazon DocumentDB**

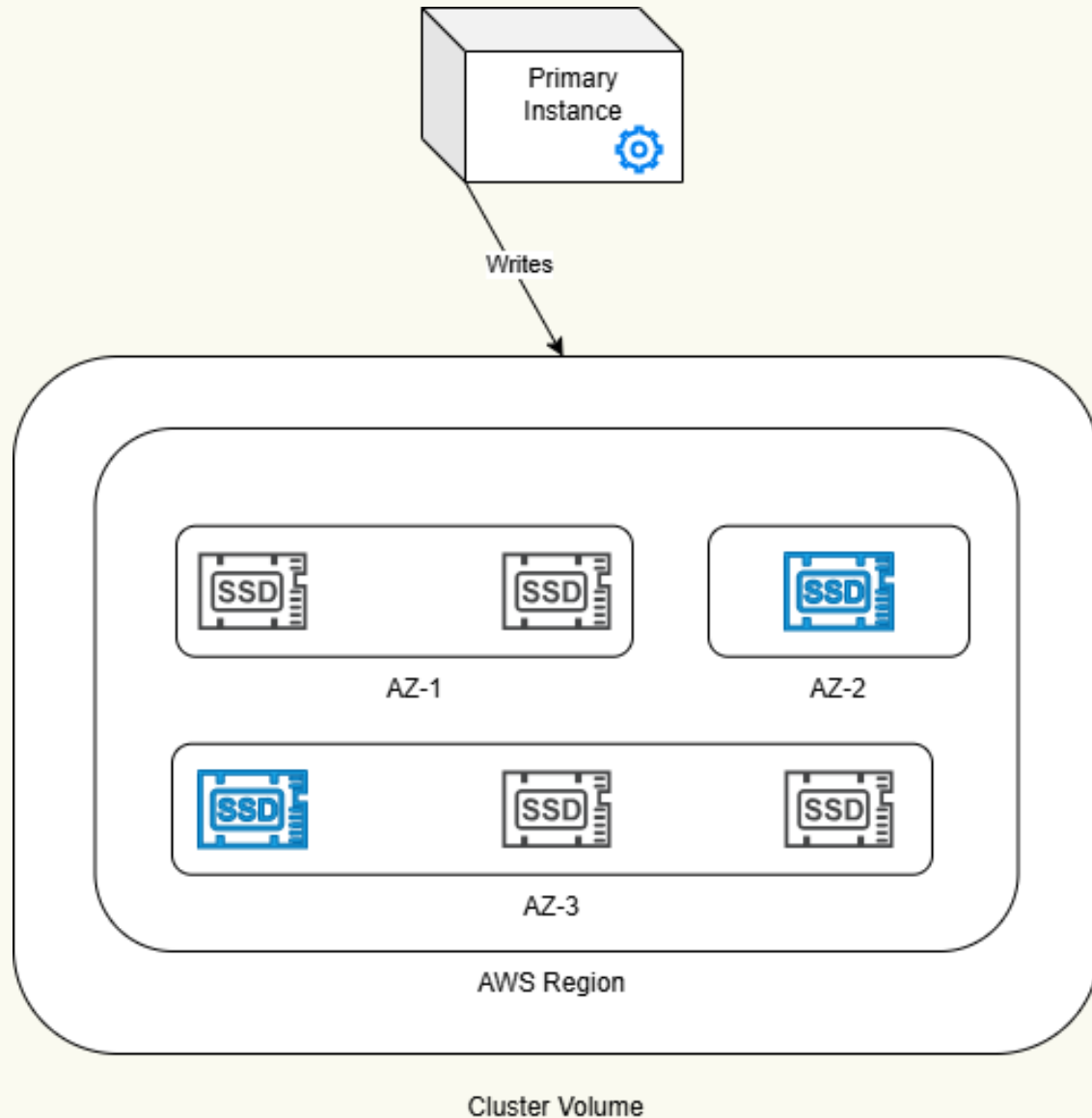
# Core Components



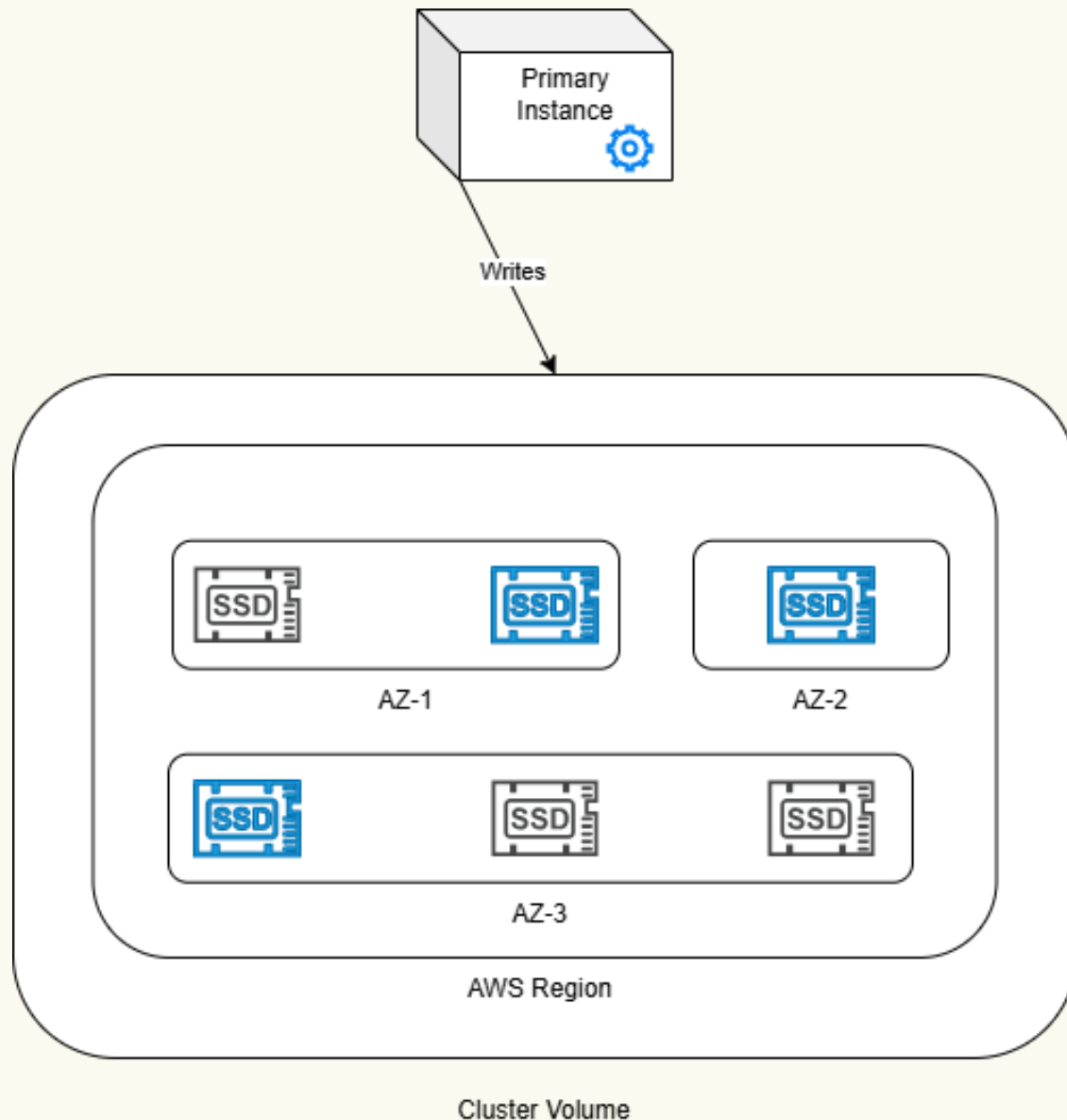
# Cluster Volume



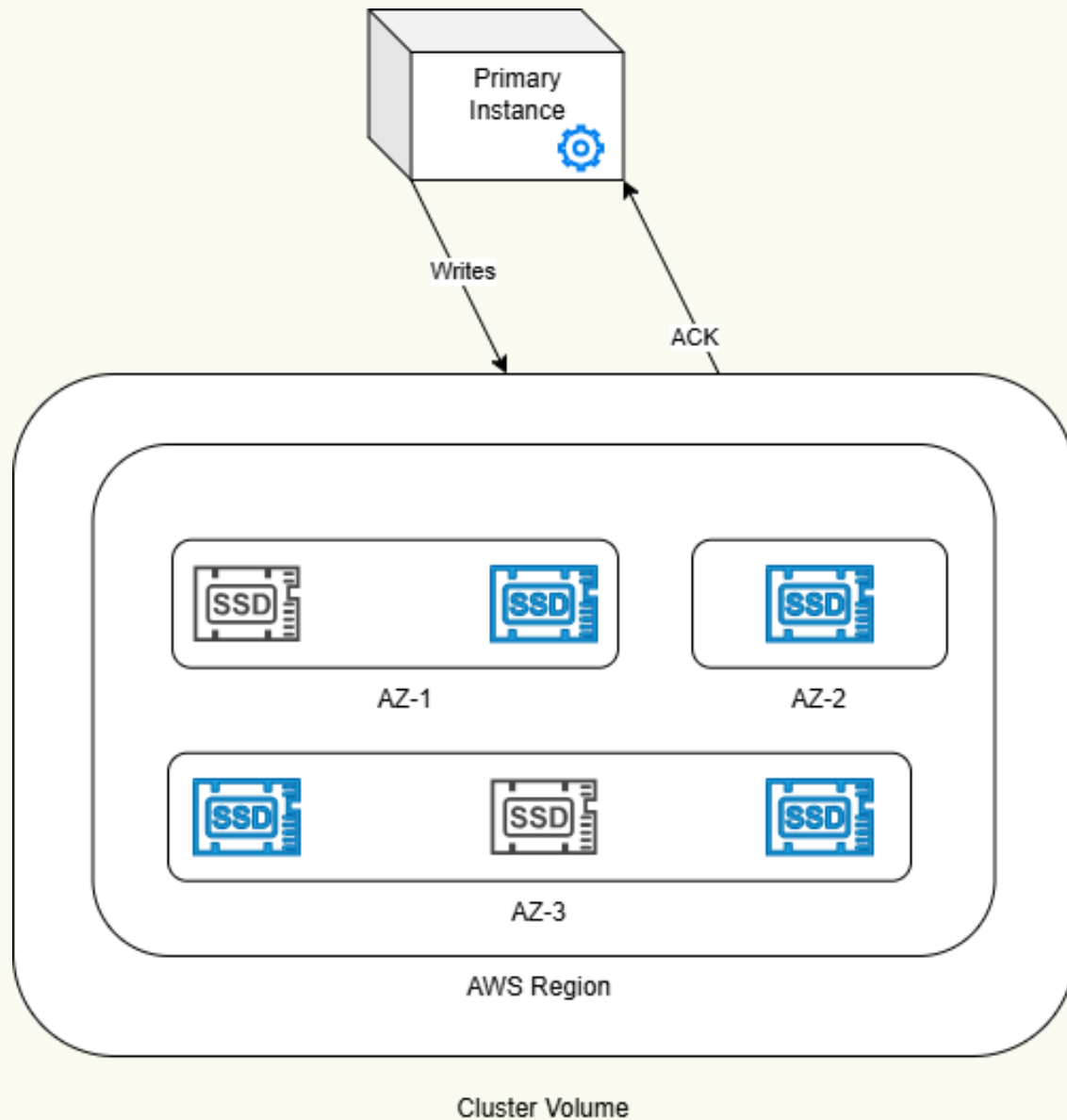
# Cluster Volume



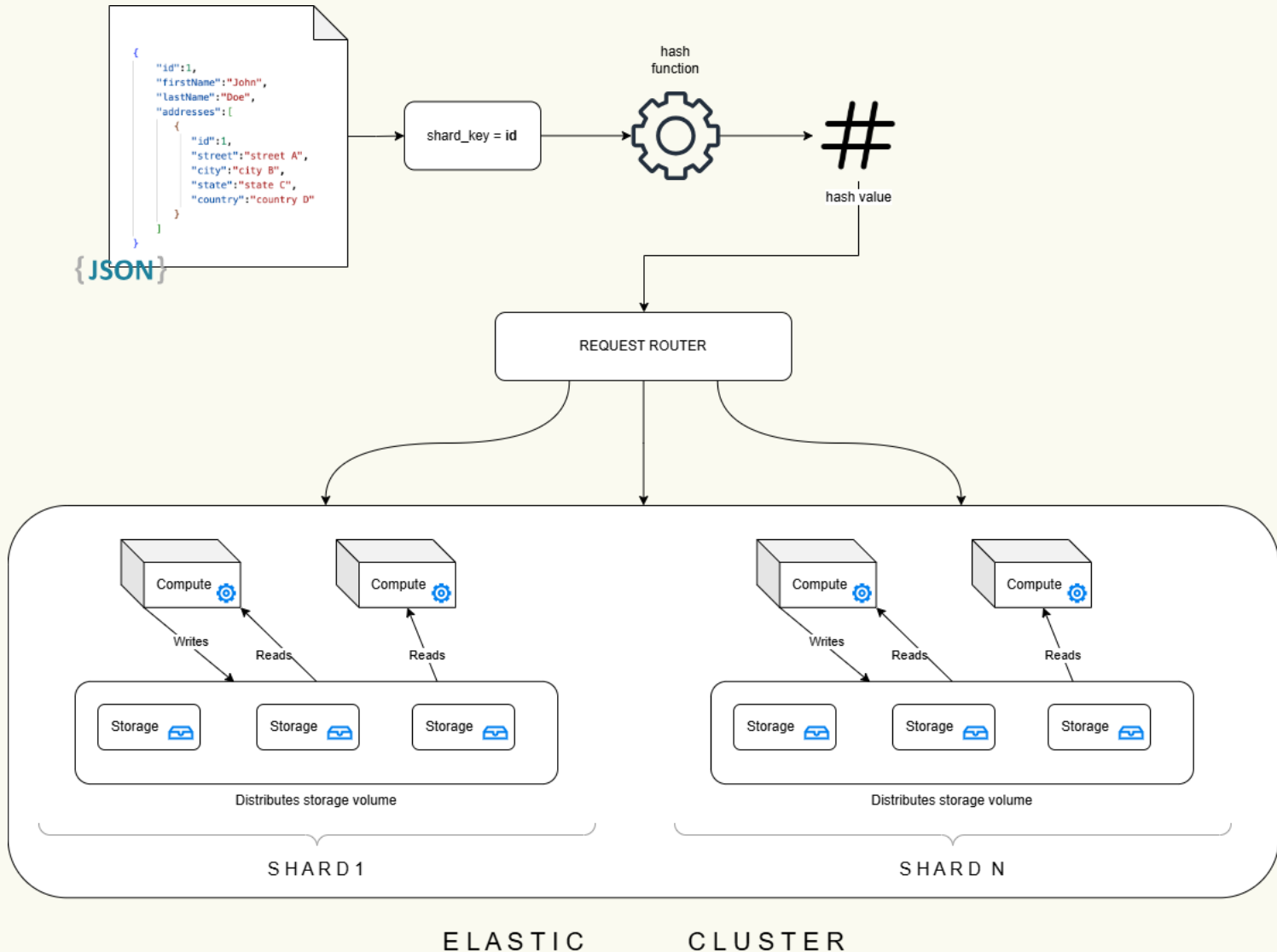
# Cluster Volume



# Cluster Volume



# Elastic Cluster Sharding



# Pros

- ◆ Isolation between compute and storage, providing granular scalability;
- ◆ Durability even with single instance



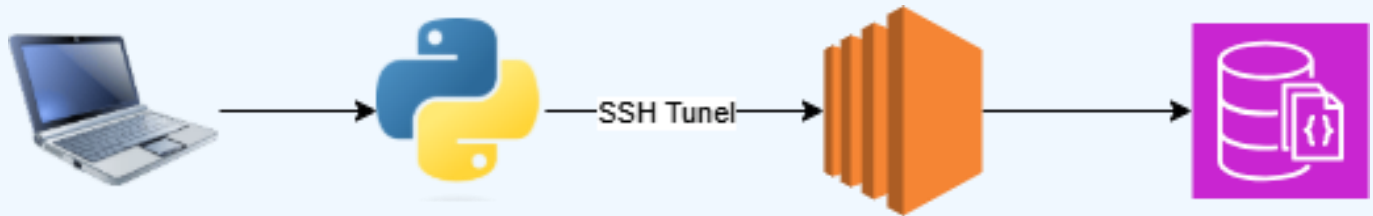
# Tests

## CloudShell

us-east-1 x testpoc x test-poc x +

```
rs0 [direct: primary] test> show databases
catalog 64.00 KiB
rs0 [direct: primary] test> use catalog
switched to db catalog
rs0 [direct: primary] catalog> show collections
my_collection
products
rs0 [direct: primary] catalog> db.products.find()
[
  {
    _id: ObjectId('683fa0bc772d58b221451178'),
    name: 'Product-1',
    category: 'Category-1',
    value: 100,
    isActive: true
  },
  {
    _id: ObjectId('683fa0bc772d58b221451179'),
    name: 'Product-2',
    category: 'Category-2',
    value: 50,
    isActive: false
  }
]
rs0 [direct: primary] catalog> []
```

```
gabriel@DESKTOP-KA66UV4: x + v
gabriel@DESKTOP-KA66UV4:/mnt/c/Users/gabri/OneDrive/Documents/workspace/python-sandbox/documentdb-poc$ pytho
n3 src/db.py
Env: local
Tunnel is Up {'127.0.0.1', 27017}: True
Local is up True
catalog
['my_collection', 'products']
683fa0bb772d58b221451177
Products {'_id': ObjectId('683fa0bc772d58b221451178'), 'name': 'Product-1', 'category': 'Category-1', 'value
': 100.0, 'isActive': True}
Products {'_id': ObjectId('683fa0bc772d58b221451179'), 'name': 'Product-2', 'category': 'Category-2', 'value
': 50.0, 'isActive': False}
gabriel@DESKTOP-KA66UV4:/mnt/c/Users/gabri/OneDrive/Documents/workspace/python-sandbox/documentdb-poc$
```



[aws-document-db-poc](#)