

# DEVOPS: MISE EN PLACE DE CLOUD-NATIVE STORAGE

Pablo Mercado

# SOMMAIRE

1. Introduction
2. Longhorn
3. FIO
4. Deployment
5. Benchmark results
6. Conclusion

# LONGHORN

The screenshot displays the Longhorn web interface with a dark blue header bar. The header contains the Longhorn logo and a navigation menu with links to Dashboard, Node, Volume, Backup, and Setting. The main content area is titled 'Volume' and features a table with columns for State, Name, Size, and Actual Size. A modal dialog titled 'Create Volume' is open in the center, allowing users to configure a new volume. The dialog includes fields for Name, Size, Number of Replicas, Frontend, Data Locality, Access Mode, and optional fields for Node Tag and Disk Tag. Each field has a green checkmark indicating it is valid. The dialog also has a 'Disable Revision Counter' checkbox and 'Cancel' and 'OK' buttons at the bottom.

**LONGHORN**

Dashboard Node Volume Backup Setting

Volume

Delete Attach Detach Create Backup

State Name Size Actual Size

Custom Column Create Volume

Name Go

Schedule Data Locality Replicas Operation

**Create Volume**

\* Name: fiobench-vol ✓

\* Size: 1000 Gi ✓

\* Number of Replicas: 1 ✓

\* Frontend: Block Device ✓

Data Locality: disabled ✓

Access Mode: ReadWriteOnce ✓

Disable Revision Counter: ☐

Node Tag: ✓

Disk Tag: ✓

Cancel OK

# FIO

The author is Jens Axboe. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

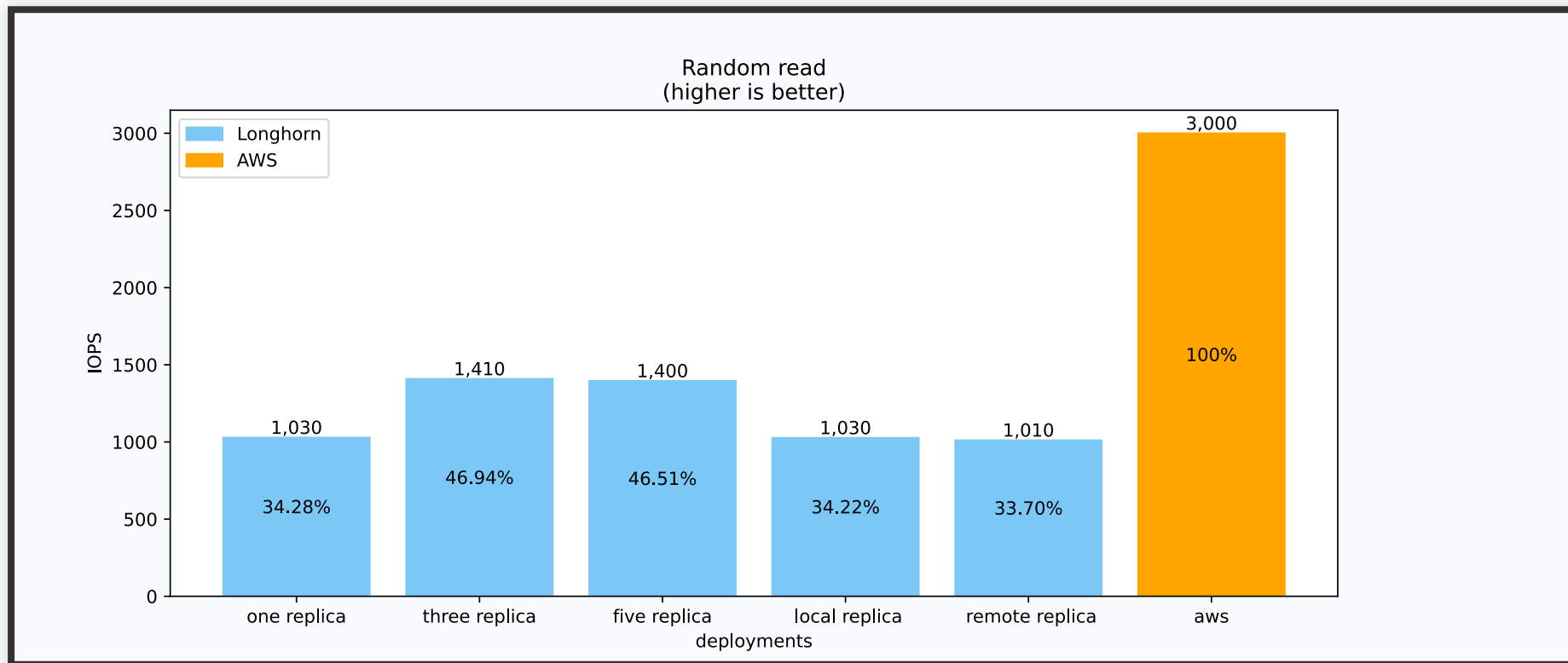
# DEPLOYMENT - MANIFEST

```
kubectl apply -f ex.yaml
```

# DEPLOYMENT - FIO JOB

```
[[idk]]  
option=1
```

# BENCHMARK RESULTS



# CONCLUSION

TODO



QUESTIONS ?