Volume Provisioned on node

Pinned on node-A

A Pod with a PVC, asks for the volume; volume gets mounted on node-A →

Volume In Use

Pinned on node-A

Pod stops using the pod; the volume gets unmounted from the node →

Volume Not In Use

Pinned on node-A

Node-A marked as unschedulable (cordoned) ↓

Volume backed-up to Amazon S3

Unpinned

A pod want to use the pod on node-B; the volume gets restored and mounted node-B →

Volume In Use

Pinned on node-B

The PVC and Pod gets deleted →

PV Deleted

The PVC and Pod gets deleted →

Notes:
- The term Volume is used interchangeably with PV
- The Unpin and Pin process may be repeated multiple times before the volume is deleted.