

Kubernetes Back up & DR with Velero



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Velero, What is it?

Velero is an open source tool to safely:

- Backup and restore
- Perform disaster recovery
- Migrate Kubernetes cluster resources and persistent volumes



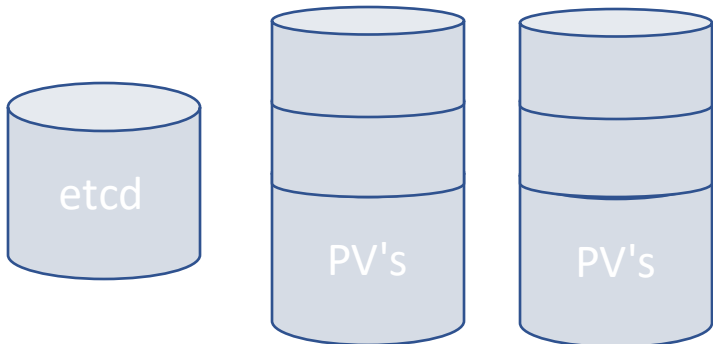
Velero Use Cases

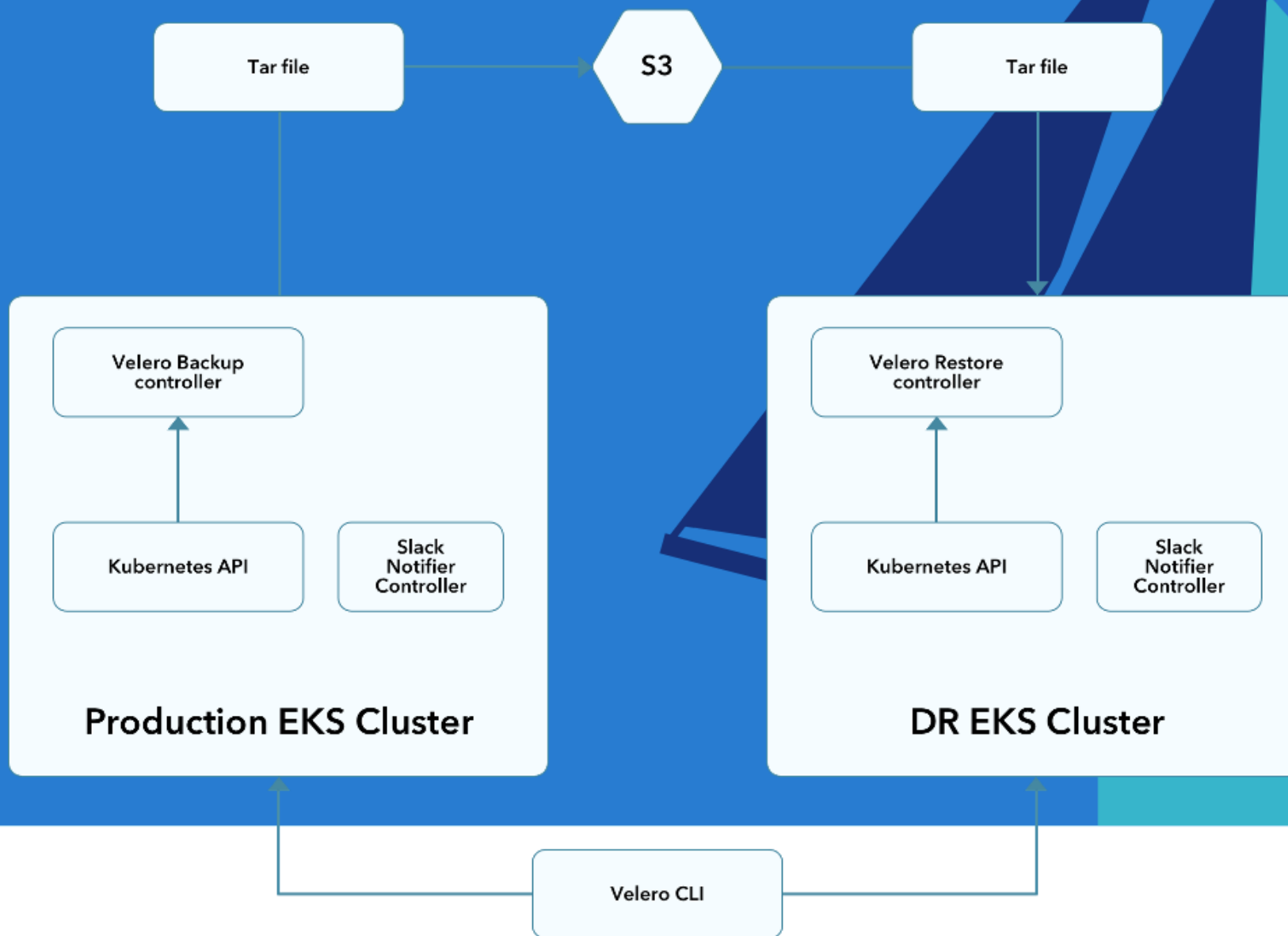
- Disaster Recovery
- Data Migration
- Data Protection



Velero Features

- Back up k8s cluster
- Scheduled Backups
- Backup Hooks
- Restore Hooks





Velero Architecture

Demo

```
~ 29s > k get all -n velero-system
```

08:33:31 AM

NAME	READY	STATUS	RESTARTS	AGE
pod/velero-574fdcb958-9spc4	1/1	Running	0	9h

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/velero	ClusterIP	172.20.7.146	<none>	8085/TCP	22d

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/velero	1/1	1	1	22d

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/velero-574fdcb958	1	1	1	9h
replicaset.apps/velero-64db8d7bff	0	0	0	22d
replicaset.apps/velero-685dbbd4f	0	0	0	17d
replicaset.apps/velero-754d867b4f	0	0	0	2d16h
replicaset.apps/velero-ff456668d	0	0	0	8d

```
~ 8s > █
```

Q & A

Thank You

