SHADOWSOFT

4: Storage & Backup Framework

WHY THIS FRAMEWORK IS IMPORTANT

Data is like gold to an organization. It's precious and needs to be protected.

This framework focuses on exactly where data resides (Object, Block, or File) and the nature of your backup plan. Be sure to identify the last time you tested a restore from a backup.

EXERCISE

2 Hours

Medium Difficulty

Enterprise Architect
Head of Operations
Security Manager

Do you have a cluster backup and restore process?:

- ☐ Yes
- ☐ No

Are you using any point solutions for cluster backup?:

- ☐ Yes
- ☐ No

What solution for cluster backup?:

- ☐ Portworx
- ☐ Kasten
- ☐ Other

If applicable, are you backing up your Multi-Cluster Manager (MCM)?:

- ☐ Yes
- ☐ No

Have you tested your current persistent storage solution in scaling events?:

- ☐ Yes
- ☐ No

If yes, how does the storage perform?:

- ☐ Less than expected
- ☐ As expected

- ☐ Exceeds expectations

Is there a defined process for performing cluster updates?:

- ☐ Yes
- ☐ No

Is there a process for cluster rollback if an update fails?:

- ☐ Yes
- ☐ No

Has this process been tested?:

- ☐ Yes
- ☐ No

Does this process have an effect on running workloads?:

- ☐ Yes
- ☐ No

NEXT STEPS

Count the number of times you answered "Yes" and compare it to the number of times you answered "No." This will give you a sense of how well Kubernetes applications can dynamically access your existing storage infrastructure.

If you identify a number of gaps in your storage and backup processes, don't be concerned.. There are a number of great tools to quickly and efficiently update your storage and backup capabilities to optimize your Kubernetes environment.