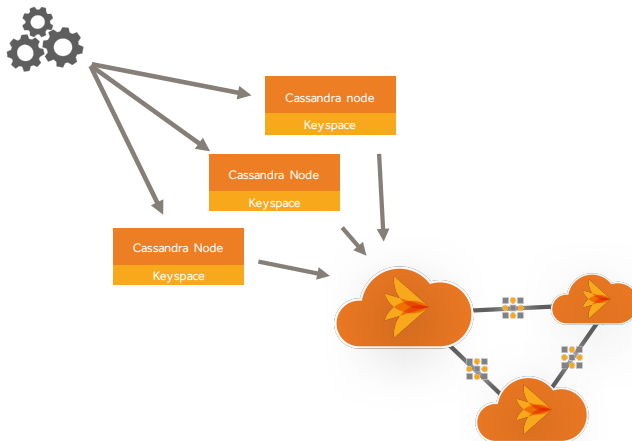


NoSQL Backup Solution

Cloud Storage for Backup and Recovery

Many organizations deploy NoSQL databases to take advantage of the large scale achievable on lower-cost commodity hardware. Additionally, the distributed and replicated nature of many NoSQL systems provides high availability and data durability even during hardware failures. This leaves many organizations assigning a lower priority around backup services for NoSQL databases.

However, NoSQL databases are not immune to large-scale events impacting an entire datacenter deployment, and many organizations with specific business continuity requirements will want to ensure that a copy of the data can be restored in the event of a large-scale catastrophic failure. For many organizations, periodic exports to an archival storage system that can be automatically replicated to disaster recovery locations will meet their recovery point objectives.



Because the database is distributed in a shared-nothing architecture across many nodes, each node contains only a partial amount of the total data set. On a periodic, user-defined schedule, a management system creates a secure, parallel connection to each node and executes an export of the data set on that node, and using simple SwiftStack client utilities, uploads that data into SwiftStack. The archive is now replicated geographically and can be re-imported into the database system as needed.

HIGHLIGHTS

- SwiftStack is ideal for large-scale NoSQL data exports
- Leverage standard servers and high-capacity disk drives to drastically reduce cost
- Multi-site clusters enable automatic offsite protection and disaster recovery

USES

- Protect against large-scale disasters to NoSQL database
- End the use of tape by utilizing multiple data centers
- Avoid costly commercial software agents

REQUIREMENTS

- Parallel SSH and SwiftStack command-line utilities
- A central location to execute parallel backup jobs

For configuration details and example scripts using SwiftStack for NoSQL backups, go to swiftstack.com.

For additional assistance or to learn more, always feel free to contact us. We're here to help.

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