

High Availability and DR Solutions for Critical application and Databases

Customer Vertical

Manufacturing Company

Summary of Client infrastructure

In production environment, 3 SQL enterprise servers are running in active/active clustered mode. Each server is running its own instance of database. All databases are stored on separate LUN provided by centralized storage which is a part of cluster resource. If anyone server fails then SQL instance fails over to another node.

Customer Challenges

- Customers have 24x7 productions.
- Zero down time for cluster failover.
- All data should be replicate on DR Site for Recovery.
- SQL data copy to DR or other site for any kind of misshaping.
- All server in dual cluster mode for primary cluster redundancy.

Proposed Solution

We advised to the Customer to deploy ArcServe Replication and high availability solution to protect critical data on SQL servers and same software has been proposed as replication and High availability solutions for their requirement.

Arcserve replication is replicating all SQL Instance to the secondary site, where secondary site using same installation path and same type of servers.

Only network Connectivity is needed to replicating all data from DC to DR site.

Arcserve Replication and High availability solutions is able to fulfill all the requirements to make Existing Cluster as highly available and same replicate to DR site which was in UK. Arcserve replication and high availability having many more option to synchronize their data from DC to DR. if data size is heavy we may choose offline synchronization, offline synchronization always helps us where we have limited bandwidth between both and data size is very heavy. We may copy data manually to movable disk and same will import at DR or secondary site.

Benefits

Single Management Console for replication and high availability for both DC and DR site, with the help of Control center we can manage all the scenario which we have made for replication and high availability and same will help to take out the reports to represent to the management. Same data is available on two or more different geographical locations with block level as well as file level synchronization.