

Exercise 8: Replication

Scenario:

- An organization runs a business-critical application that stores data in a LUN with RAID 1 configuration
 - Size of the LUN is 1 TB
- Average data that changes in 24 hours is 60 GB
- Organization has two data centers which are 1000 miles apart



Exercise 8: Replication (Cont'd)

Organization's requirements:

- Organization needs a solution to address logical corruption of data
- RPO requirement for the application is 1 hour
- In the event of a logical corruption, up to 8 hours of old data needs to be restored
- The amount of storage used for data protection should be minimal
- The organization also requires a disaster recovery (DR) solution that should not impact the response time of the application



Exercise 8: Replication (Cont'd)

Deliverables:

1. A. Suggest an appropriate storage system-based local replication solution to meet RPO requirement with minimum amount of storage
B. Estimate the storage required by this solution
2. Recommend an appropriate remote replication solution for DR purpose

