As per considering your last question,

1 - Simplicity. Integration needs to be dead simple

    2 - Resilient to network failures or crashes.

    3 - Near real time replication of data across Geolocation. Writes need to be in real time.

    4 - Data consistency across regions

    5 - Locality of reference, data should almost always be available from the closest region

    6 - Flexible Schema

    7 - Cache can expire

ANSWER

Approach: I would like to suggest you with cache and simplicity you need to create daily basis of bash scripts which will delete unnecessary files and log.

For talking about data consistency across regions and across cross geolocation you can use AWS services. Which might helpful for you. Like in AWS S3 services there are many features available for that which can easily solve your issues with cross region replicas and all data consistency.

As a Network Failure Scenario, you can setup Dashboard approach for that and you can setup email alert for network goes down. We can also use Load balancing and Auto scaling Features as it will provide you less downtime or no downtime for any network running with these 2 services. After Using these 2 approaches we can manage our network consistency very easily.