### ****Observations and Proposals****

### ****Current Backup Schedule Overview****

* **Daily Backups**: In all Landing Zone accounts Backups are currently running every day, including weekends.
* **Duplicate Saturday Jobs**: On Saturdays, the same backup jobs are running twice, leading to unnecessary duplication.
* **Impact:** Running backups every day, especially on weekends when operational changes are minimal, may lead to unnecessary consumption of storage and compute resources. The duplication of jobs on Saturdays increases storage usage and potentially leads to higher costs.

### ****Proposed New Schedule****

* **Weekday Schedule**: Daily backups from Monday to Friday.
* **Weekend Schedule**: Single backup job on Saturday or Sunday, depending on business requirements.
* **Saturday Duplicates**: Ensure only one backup job runs on Saturday, eliminating duplicates.
* **Expected Cost Savings**: potential cost savings by reducing storage usage and eliminating duplicate jobs.

### ****Retention Strategy****

#### ****Current Retention Period****

* **Retention Period**: 35 days.
* **Storage Class**: All backups are currently stored in standard S3 storage.

#### ****Proposed Retention Period****

* **Initial Storage (5 Days)**:
  + Backups will be stored in standard S3 storage for the first 5 days. This ensures quick access for recent data recovery needs.
* **Long-Term Storage (30 Days)**:
  + After 5 days, backups will be automatically moved to S3 Glacier, where they will be stored for the remaining 30 days. Glacier is a cost-effective solution for long-term storage of data that is infrequently accessed.

#### ****Benefits of the Proposed Strategy****

* **Cost Efficiency**: S3 Glacier offers significantly lower storage costs compared to standard S3. By moving backups to Glacier after 5 days, you can achieve substantial cost savings while still retaining necessary backups.
* **Data Durability**: S3 Glacier provides the same high durability as S3, ensuring that your data is secure even in long-term storage.
* **Optimized Access**: The first 5 days in standard S3 allows for rapid data retrieval when it's most likely needed. After this period, moving to Glacier balances cost with access needs for older data.