Here’s a structured document template covering Storage Account Pricing Tier, Cost, and Retrieval Time. It can be used for analysis, presentation, or documentation purposes.

Azure Storage Account Options and Analysis

1. Storage Account Pricing Tier

Azure offers different storage account pricing tiers based on performance, redundancy, and usage. Below are the key pricing tiers relevant to your requirement:

Performance Tiers

1. Standard Performance:

• Cost-effective for general-purpose scenarios like backups, logs, and infrequent access.

• Suitable for unwanted files that are infrequently accessed.

2. Premium Performance:

• Optimized for high transaction volumes and low latency.

• Not typically required for temporary files with rare access.

Redundancy Options

Redundancy Type Description Use Case

LRS (Locally Redundant Storage) Data replicated within a single region. Cost-effective, minimal redundancy.

ZRS (Zone Redundant Storage) Data replicated across availability zones. Better availability, mid-cost.

GRS (Geo-Redundant Storage) Replication across primary and secondary regions. Higher redundancy, higher cost.

RA-GRS GRS with read-access to secondary. For advanced redundancy requirements.

Recommended Tier for Your Requirement:

• Standard Performance + LRS: Sufficient for unwanted files to minimize cost.

2. Cost Analysis

Below is the cost breakdown for the Standard Storage Account with Locally Redundant Storage (LRS):

Cost Estimates

Storage Tier Price (per GB/month) Actions (per 10,000 operations) Example Cost for 100 GB Storage

Hot Tier $0.018 $0.05 ~$1.80/month

Cool Tier $0.01 $0.10 ~$1.00/month

Archive Tier $0.00099 Retrieval charges apply ~$0.099/month

Key Observations

• Cool Tier: Balanced cost for storage and access, ideal for files retained for 60 days.

• Archive Tier: Ultra-low storage cost but high retrieval cost and longer access time.

Recommendation: Use Cool Tier to balance cost and retrieval efficiency.

3. Retrieval Time

The retrieval time varies based on the selected storage tier:

Storage Tier Retrieval Time Cost Impact

Hot Tier Instant access Low retrieval cost

Cool Tier Instant access Slightly higher cost

Archive Tier Up to several hours High retrieval cost

Recommended Tier:

• Cool Tier: Provides immediate access to files if required while remaining cost-efficient.

Summary and Recommendation

Criteria Selected Option

Performance Standard Performance

Redundancy Locally Redundant Storage (LRS)

Storage Tier Cool Tier

Estimated Monthly Cost ~$1.00 per 100 GB

Retrieval Time Instant Access

Final Recommendation: Use Standard Storage Account with Cool Tier and LRS to store unwanted files cost-effectively for 60 days.

Let me know if you’d like further refinements or cost calculation scripts!