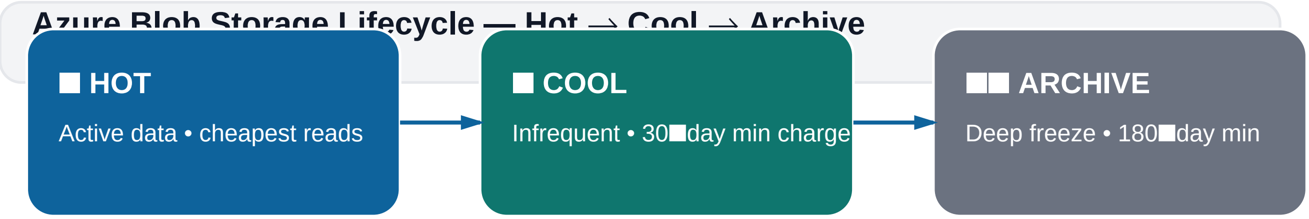
Azure Storage: Hot vs Cool vs Archive + Lifecycle Rules

■ **Built an Azure Storage lab** that auto-moves data between tiers and trims costs. Here’s the 60■second story you can paste on LinkedIn—plus a clean diagram you can screenshot.


Azure Blob Storage Lifecycle — Hot → Cool → Archive
■ HOT
Active data • cheapest reads
■ COOL
Infrequent • 30■day min charge
■■ ARCHIVE
Deep freeze • 180■day min

Automation: rules evaluate daily and transition eligible blobs.

Lifecycle Rules

logs/: Move to COOL after 30 days; DELETE after 365d

images/: Archive if not accessed for 90d

Time Conditions

Last Modified = content/metadata changed

Last Accessed = blob read (requires tracking)

■ *Plain-English tiers*

■ **Hot** — for files you open a lot (cheapest to read, pricier to store)
■ **Cool** — for infrequent access (cheaper to store, **30■day** minimum charge)
■■ **Archive** — deep freeze for long retention (**180■day** minimum; rehydrate to read)

■■ *What I built*

• Storage Account with secure defaults (private containers, soft delete, optional versioning)
• Two containers: logs/ and images/
• Lifecycle rules to: move logs/ → COOL after 30d, delete after 365d; archive images/ after 90d of no access

■ *Why it matters*

• ■ Cuts storage costs automatically
• ■ Mirrors real usage (hot vs cold data)
• ■ Reinforces AZ■900 fundamentals (governance, cost control, lifecycle)

■■ *Gotchas*

• Cool has a 30■day minimum; Archive has 180■day
• Archive blobs are offline until rehydrated (time + cost)

➡■ *Next up*

• Turn on access■time tracking across more containers
• Add alerts to flag unexpected storage growth

■ *Paste-ready caption*

■ I just built an Azure Storage lab (Hot vs Cool vs Archive) with auto lifecycle rules—here’s what I learned ■

Most teams pay for storage they don’t actually use. I set up **Azure Blob Storage** with **lifecycle policies** that move old data to cheaper tiers—and eventually delete it—*automatically*.

Hot = active files (cheapest reads) • **Cool** = infrequent (30■day min) • **Archive** = deep freeze (180■day min; rehydrate to read).
Built: secure Storage Account, containers (logs/, images/), and rules: logs→Cool after 30d (delete 365d), images→Archive after 90d of no access.

Why: ■ cost control • ■ real-world lifecycle • ■ AZ■900 fundamentals.
Gotchas: Cool/Archive minimums; Archive is offline until rehydrated.

#Azure #AZ900 #Cloud #Storage #CostOptimization #DevOps #LearningInPublic