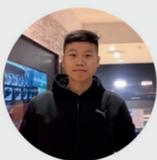


EXPLOITING S3 ANALYTICS, VERSIONING, AND REPLICATION FOR DATA OPTIMIZATION

Swipe to know >>>



Aiden Tran
@aidentran





S3 EVENT NOTIFICATIONS

“Overview: Trigger notifications for actions like object creation or deletion. These can integrate with AWS Lambda, SQS, SNS, or Amazon EventBridge for automated workflows.”



Aiden Tran
@aidentran





S3 EVENT NOTIFICATIONS

“Utility: Ideal for use cases like thumbnail generation post-image upload, enhancing real-time application responsiveness.”



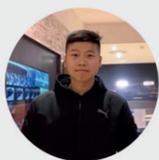
Aiden Tran
@aidentran





S3 ANALYTICS — STORAGE CLASS ANALYSIS

“Overview: Helping analyze storage access patterns and recommend when to transition objects to the most cost-effective storage class. Although not applicable for One-Zone IA or Glacier, it's a critical tool for optimizing storage costs.”



Aiden Tran
@aidentran





S3 ANALYTICS — STORAGE

CLASS ANALYSIS

“Utility: Generates daily reports to guide Lifecycle Rule enhancements, with insights visible within 24-48 hours after setup.”



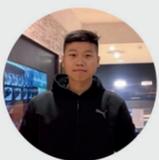
Aiden Tran
@aidentran





AMAZON S3 STORAGE LENS

“Overview: Provides a dashboard to analyze and optimize storage across an AWS Organization, identifying cost efficiencies and data protection enhancements.”



Aiden Tran
@aidentran





AMAZON S3 STORAGE LENS

“Utility: Monitor and manage storage with advanced metrics available through both free and paid tiers, supporting detailed insights and recommendations for performance and cost optimization.”



Aiden Tran
@aidentran





S3 PERFORMANCE FEATURES

“Overview: Automatically scales to support high request rates, for example, up to 5,500 GET requests per second per prefix.”



Aiden Tran
@aidentran





S3 PERFORMANCE FEATURES

“Utility: Use Multi-Part upload and S3 Transfer Acceleration for large files to boost transfer speeds significantly, ideal for global businesses.”



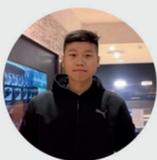
Aiden Tran
@aidentran





S3 VERSIONING

“Overview: Allows for multiple versions of the same file to exist simultaneously, enabling comprehensive version control at the bucket level.”



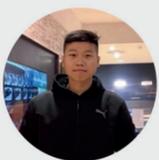
Aiden Tran
@aidentran





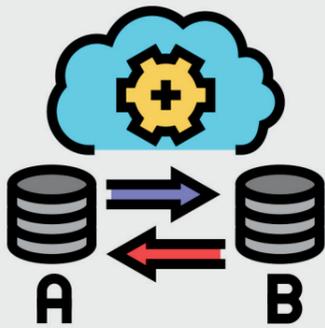
S3 VERSIONING

“Utility: Essential for preventing data loss from accidental deletions, as it allows for easy restoration of previous versions.”



Aiden Tran
@aidentran





S3 REPLICATION (CRR & SRR)

“Overview: Automatically replicates data across buckets in the same or different regions, supporting both inter and intra-regional needs, including those spanning different AWS accounts.”



Aiden Tran
@aidentran





S3 REPLICATION (CRR & SRR)

“Utility: Ensures compliance with regulatory standards, reduces latency for data access, and provides a dependable data protection mechanism through asynchronous replication.”



Aiden Tran
@aidentran



**FOLLOW ME
FOR MORE
VALUABLE**

AWS


INSIGHTS



Aiden Tran
@aidentran

