
AWS
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STG340

The power of Amazon S3 Inventory: Advanced use cases and best practices

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Agenda

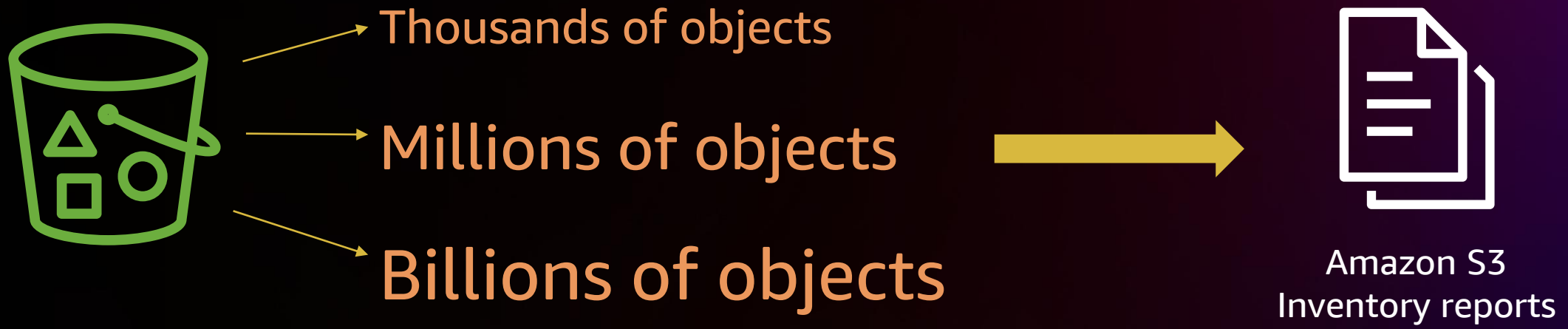
- Amazon S3 Inventory introduction and common use cases
- Amazon S3 Inventory report example
- Integrations: Amazon Athena and Amazon QuickSight
- Athena demo and custom queries
- QuickSight and visualization for reports
- Taking action on a large number of objects with Amazon S3 Batch Operations

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Why use Amazon S3 Inventory reports?

SCALE AND SIMPLIFY OBJECT ANALYSIS OF YOUR BUCKET

Do you need to gain insights about the objects in your buckets?



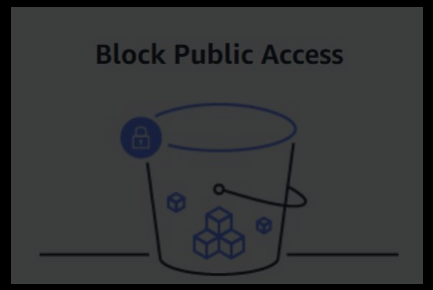
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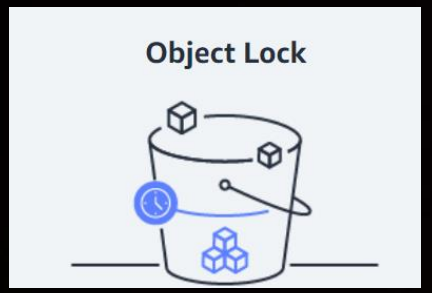
Questions you can answer by analyzing Amazon S3 Inventory reports

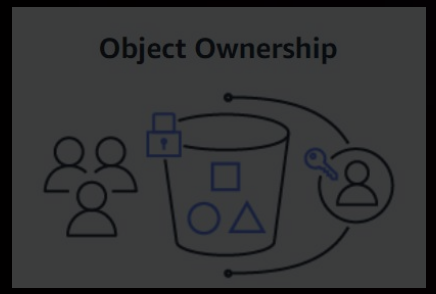
- What Amazon S3 Intelligent-Tiering access tier are my objects in?
- What objects are encrypted with SSE-S3, SSE-KMS?
- What objects are less than 128 KB?
- How many versions of an object do I have?
- . . . and more!

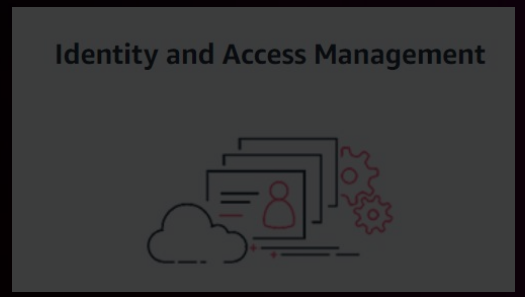
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S3 Inventory reports and Amazon S3 security







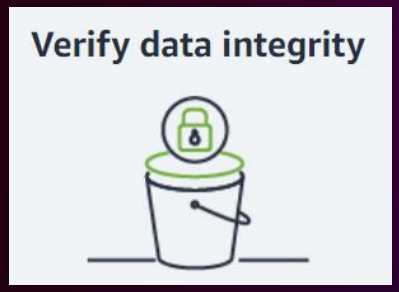












Amazon S3 Inventory reports can provide information about your objects to help improve your security posture

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What is Amazon S3 Inventory?



Amazon S3 Inventory



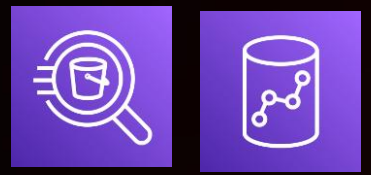
Manage your storage – audit and reporting



Multiple formats for output report



Configure multiple inventory lists for a bucket



Query reports

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Configuring Amazon S3 Inventory

Use AWS Management Console, REST API, AWS CLI, or AWS SDKs



Source Amazon S3 bucket

- Configure an inventory
- Add report details:
  - Format, fields, frequency, encryption



Destination Amazon S3 bucket

- Add bucket policy
- Add Amazon S3 Event Notifications on completion

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Inventory demo and example

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Amazon Athena

QUERY ALL YOUR DATA USING SQL



Serverless



Open and flexible



Fast and interactive



Cost effective

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Amazon QuickSight

SCALABLE, EMBEDDABLE, ML-POWERED SERVICE FOR VISUALIZING YOUR DATA



Built for scale



Developer focused



ML-powered insights



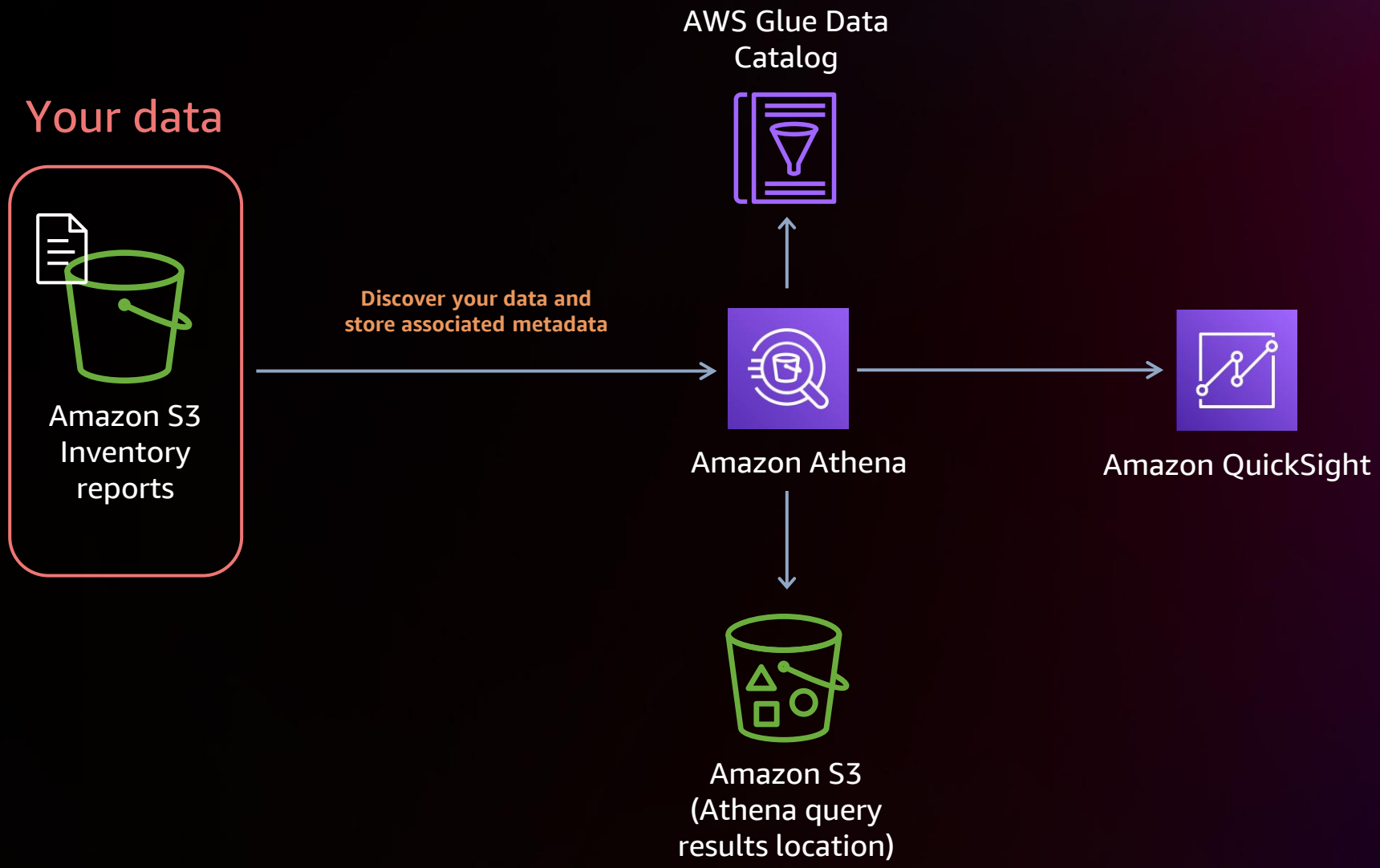
Enterprise ready



Scalable pricing

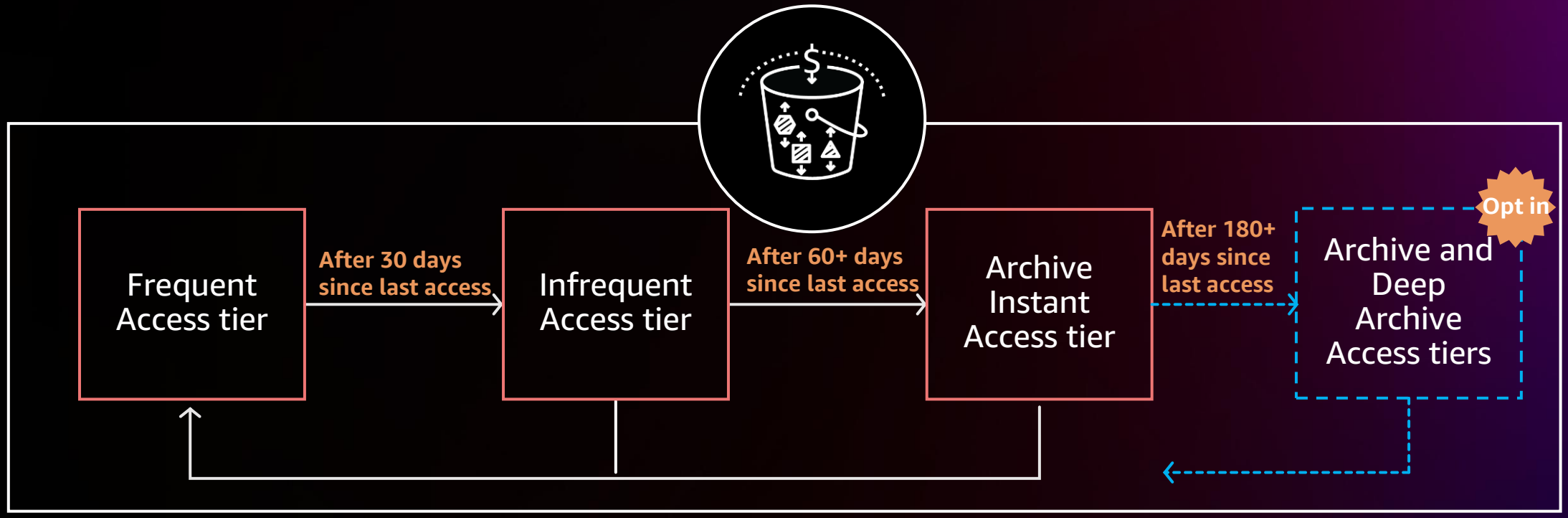
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Amazon S3 Inventory analysis



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What Amazon S3 Intelligent-Tiering access tier are my objects in?



Milliseconds access (automatic)

Minutes to hours (optional)

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Amazon S3 Inventory analysis demo

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Amazon S3 Inventory and S3 Batch Operations



Amazon S3 Batch Operations



Performs storage actions on objects at scale



Tracks progress; sends notifications and detailed completion reports



Supply inventory report as an input manifest to Amazon S3 Batch Operations job

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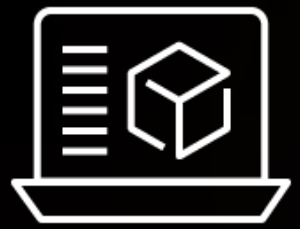
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Batch Operations demo

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Thank you!

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