AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

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Amazon S3 cost optimization using S3 Storage Lens

Mark Kalus (he/him)
Principal Product Manager
Amazon S3 – Simple Storage Service

Lee Kear (she/her)
Senior Storage Specialist, Solutions Architect
Amazon S3 – Simple Storage Service

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Agenda

S3 Storage Lens overview

What's new

Pricing tiers

Demo 1 – configuration

Demo 2 – cost optimization use cases

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Happy birthday to S3 Storage Lens!

AWS News Blog

Introducing Amazon S3 Storage Lens – Organization-wide Visibility Into Object Storage

by Martin Beeby | on 18 NOV 2020 | in Amazo

Permalink | Share

InfoQ

AWS Announces New Service: Amazon S3 Storage Lens

AWS announces a new service called Amazon S3 Storage Lens, which can provide customers with organization-wide visibility into their object storage usage and...

Nov 25, 2020

TechCrunch

Amazon S3 Storage Lens gives IT visibility into complex S3 usage

Amazon S3 Storage Lens gives IT visibility into complex S3 usage ... As your S3 storage requirements grow, it gets harder to understand exactly...

v 19, 2020



Robert Syvarth

Immediately found that we had over 10 TB of unexpired multipart uploads in one of our buckets. 😳 $200/mo off our S3 bill off the bat is a great start

3:25 PM · Nov 18, 2020 · Twitter Web App

Corey🎃Managed NAT Gateway 🤡 Quinn · Jul 13

I was in an analyst call today wherein I brought up just how wonderful AWS's **S3 Storage Lens** is. I adore that thing.

4 53

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Amazon S3 Storage Lens overview



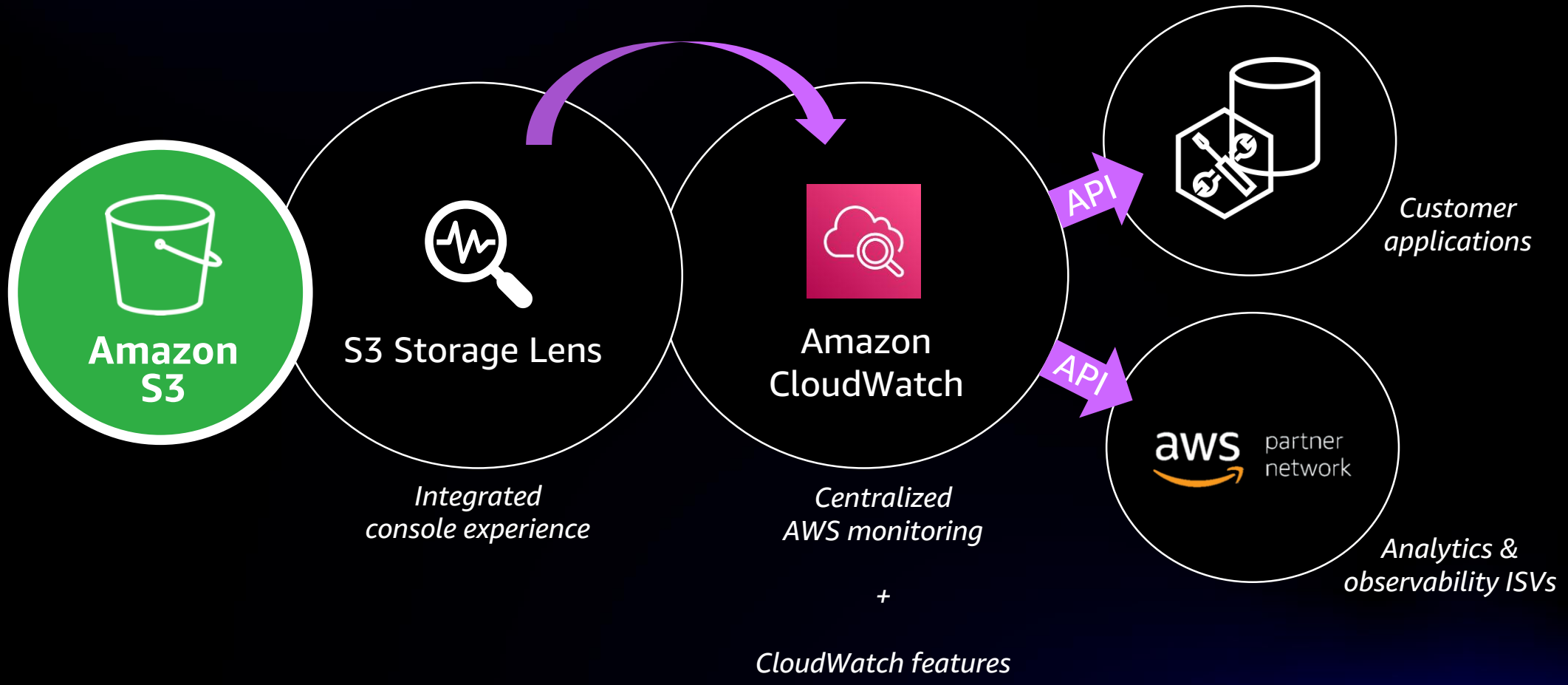
Launched November 2020

- Organization-wide visibility
- 29 storage usage & activity metrics
- Drill-down by Region, storage class, bucket, and prefix
- Recommendations for cost efficiency & data protection best practices
- Integrated Amazon S3 console experience

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Introducing Amazon CloudWatch publishing for S3 Storage Lens

New

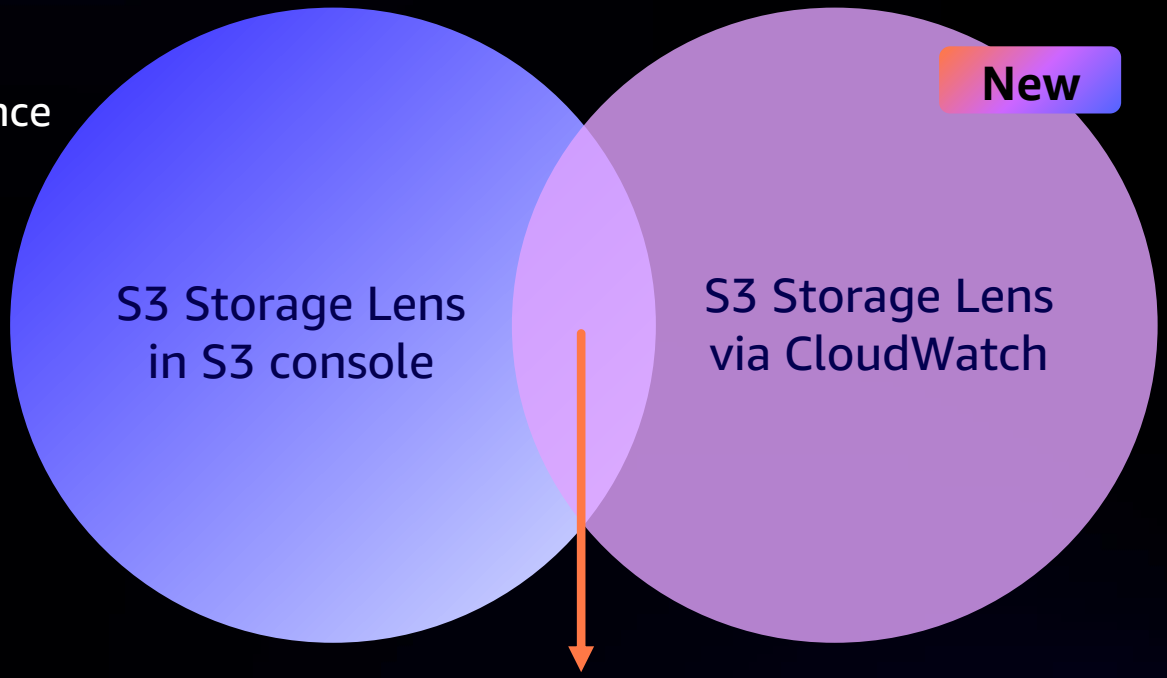


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S3 Storage Lens + Amazon CloudWatch

2 options for accessing S3 Storage Lens metrics:

- Integrated console experience
- Preconfigured dashboard
- Prefix-level insights
- Recommendations



- Unified, cross-service views
- Customization options
- Alarms & triggered actions
- API access, AWS Partners

- 29 usage & activity metrics
- 15-month historical trends
- Interactive charting

aws

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S3 Storage Lens pricing

- CloudWatch metrics charges covered by S3 Storage Lens
- Other CloudWatch features billed by CloudWatch (ex., alarms, dashboards, and API calls)

	Free metrics	Advanced metrics
Metrics	Usage (15)	Usage (15) + Activity (14)
Granularity	Lowest level = bucket	Lowest level = prefix
Historical data	14-days	15 months
Recommendations	n/a	Included
New *CloudWatch publishing*	n/a	Included (metrics only)
Pricing	**FREE**	**$0.20 per mil. objects / mo**

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S3 Storage Lens common questions

"What are my largest buckets?"

"Are all my object encrypted?"

"Do I have any cold workloads?"

What are YOUR questions?

"Am I cleaning up my incomplete MPUs?"

"Am I replicating all my objects?"

"Am I using storage classes appropriately?"

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Thank you!

Mark Kalus
mkalus@amazon.com

Lee Kear
leke@amazon.com

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Conversation starters

Configuration

- Account snapshot
- Default-account-dashboard
- Organization-level dashboards
- Creating multiple dashboards
- Metrics export
- Prefix reporting
- Resource tags

Dashboard

- Filters
- Drill-downs
- Analyze by dimension
- Recommendations
- Historical data
- Deleting dashboards
- Re-creating dashboards

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