
osokey
unlocking potential

What is the seismic data in the cloud opportunity?

60 - 70 PB (Subsurface Data)	**2 PB** (Gaming Data)	**185 PB** (Amazon Prime Day, 2019)
Decades	**Per month**	**Per day**

Realise the **benefits** of economies of scale

Cost savings, new opportunities

Context to the challenge

Cloud is the recognised future direction of the industry

BAU

Maintenance of Business As Usual is essential throughout any transition

Subsurface Challenge

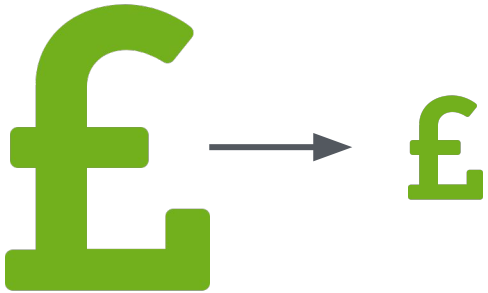
What is the optimal pathway to **maximise the benefits** of the cloud?

What is the **value proposition** and **opportunity**?

Value Proposition

Value = Benefits + BAU - Costs

Value Proposition



cost savings > 70%

The Oil & Gas Technology Centre
Your Innovation Partner

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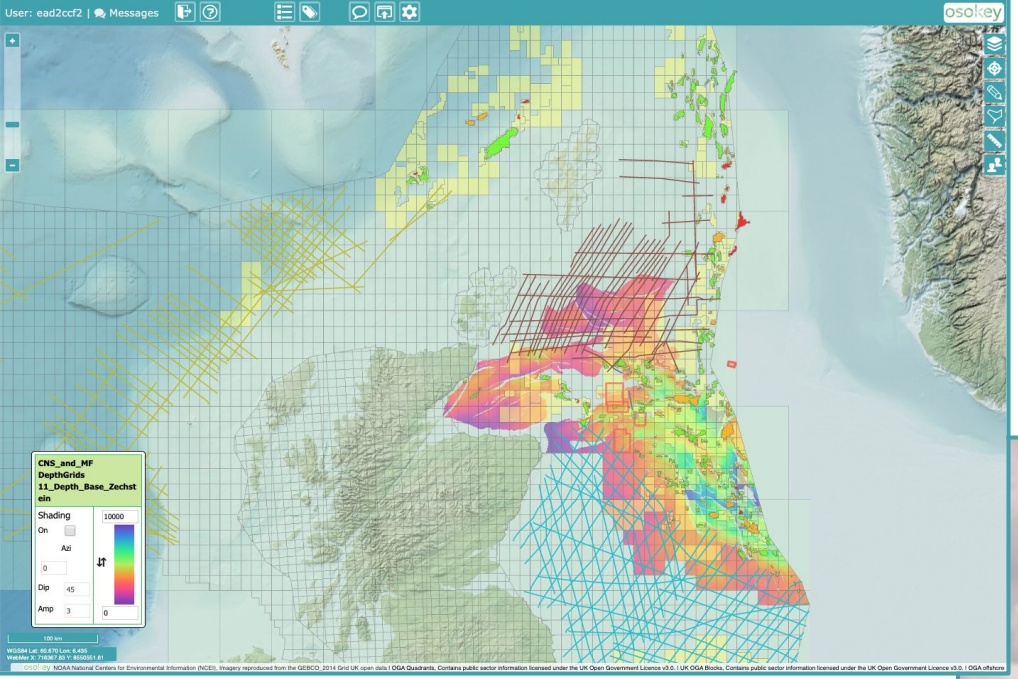
Chevron

Seismic in the Cloud

Breakdown barriers to collaboration

Avoid inaccessible data silos



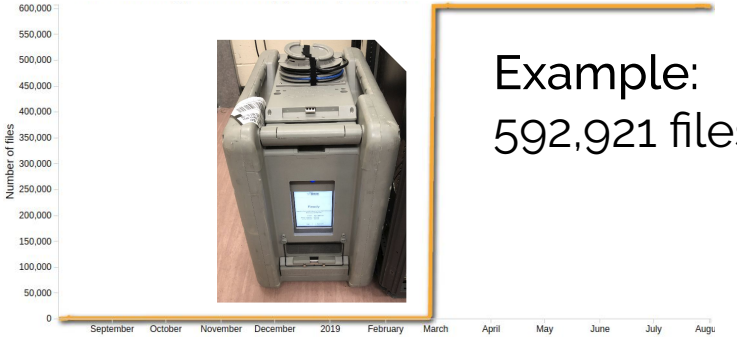
All your data is in one place

Connect expertise with your data

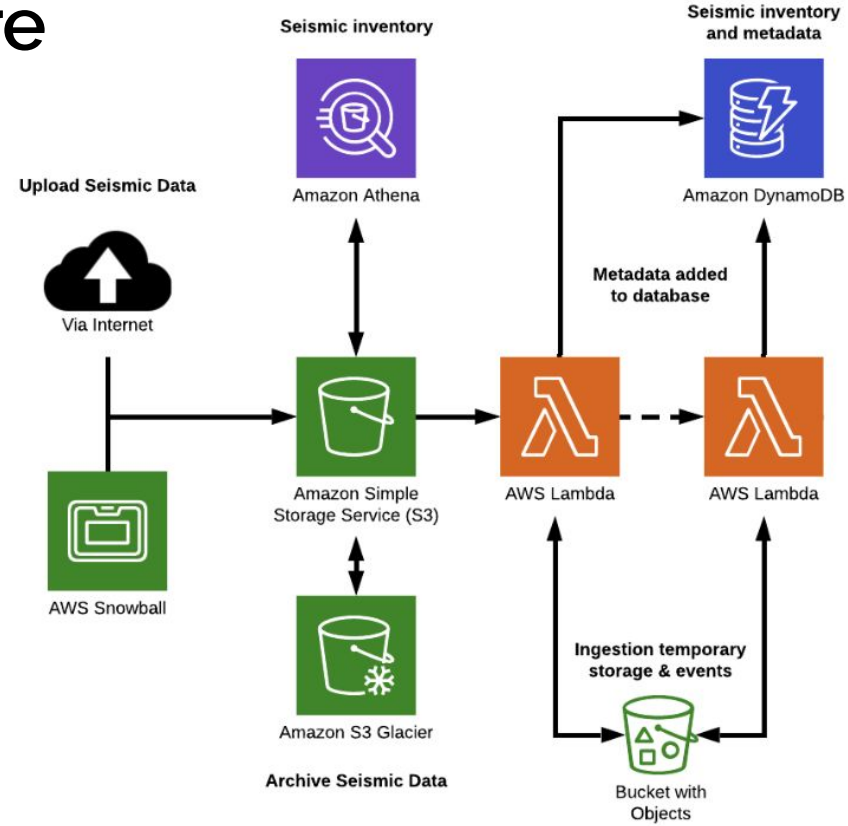
Osokey code & architecture

Cloud native, event driven
→ Faster & Cheaper

Automation of data ingestion
→ More consistent
→ More accurate



Example:
592,921 files



Osokey de-duplication using scalable compute

Benefit of on-demand scalability in the cloud
592,921 SEG-D files from tape ingested

< 25 mins duration, cost < £12.50

56,154 duplicate files identified from tape

Only one asset's worth of data from the UK

~10% de-duplication cost saving

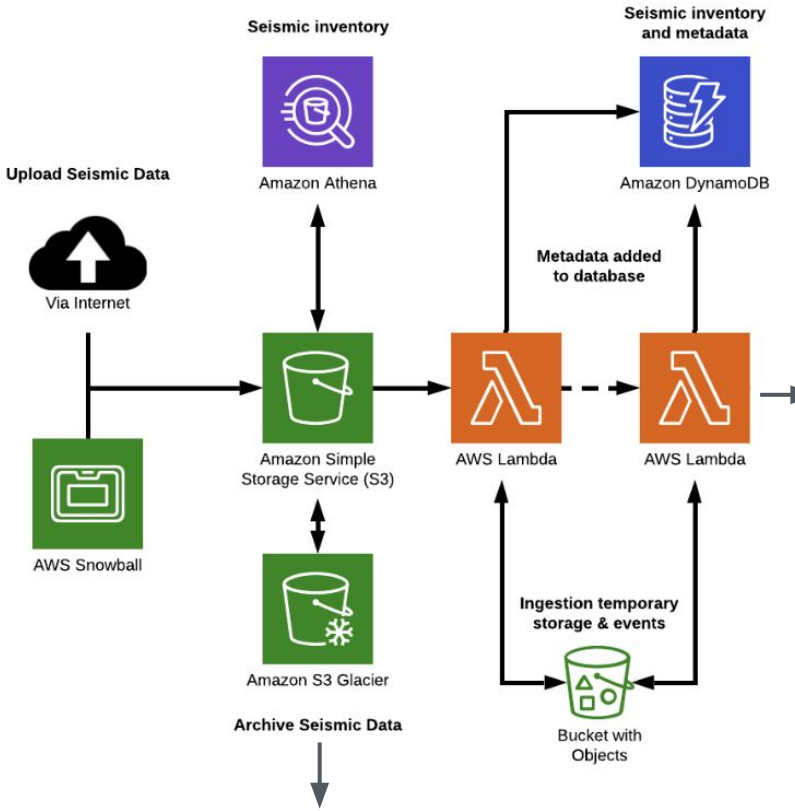
Benefits

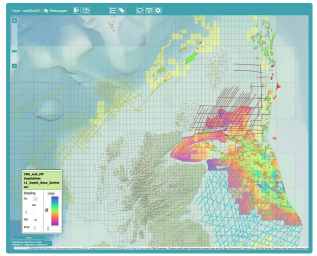
Single searchable database

Instantaneous data access

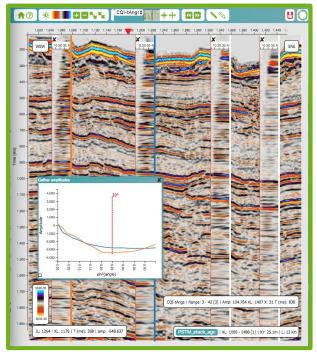
Simplified data management

More data, better decisions





Seismic in the Cloud



Optimised archiving

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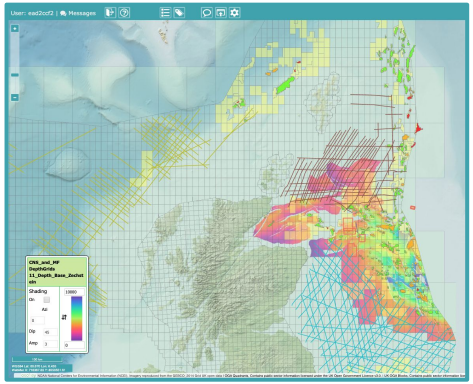
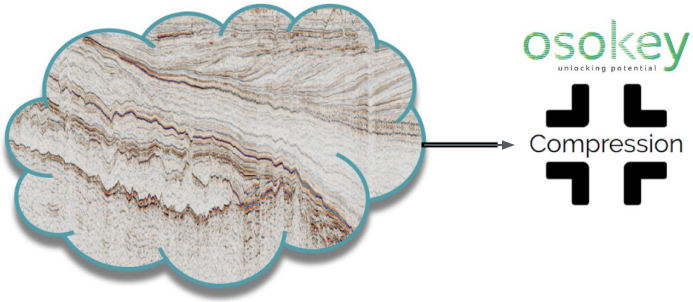
Benefits + Business as usual

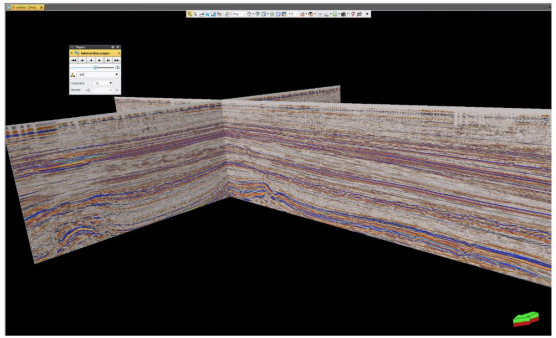


Data Discovery



Access & View

*Petrel is a mark of Schlumberger



BAU analysis

Osokey proprietary compression

Streams data to on-premise and cloud workstations running Petrel*

Removes data duplication of vendor locked in file formats

Improves data sharing, simplifies data management

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Value = Benefits + BAU - Costs

Mature technology ready to deliver you significant value

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