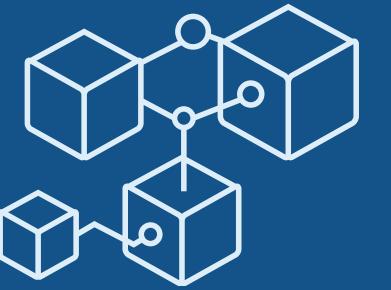




STORAGE SERVICES

Siddhesh Chotaliya



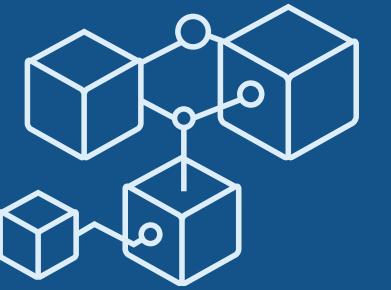


1

Block Storage

STORAGE SERVICES

AWS



1

Block Storage

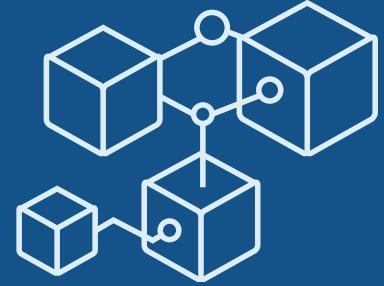


2

Object Storage

STORAGE SERVICES

AWS



1
Block Storage



2
Object Storage



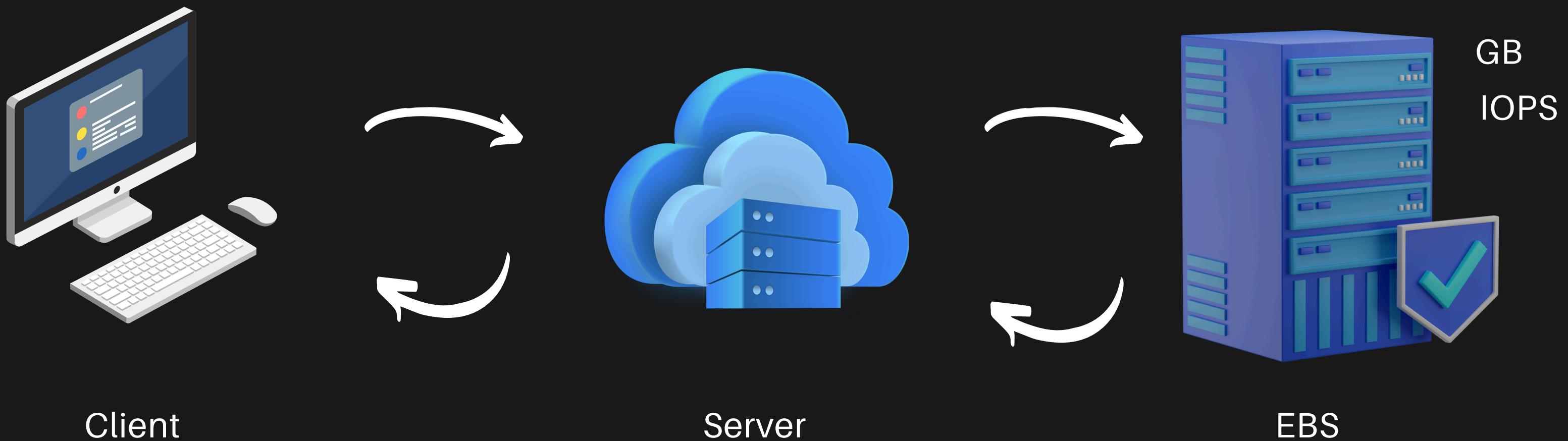
3
File Storage

STORAGE SERVICES

AWS

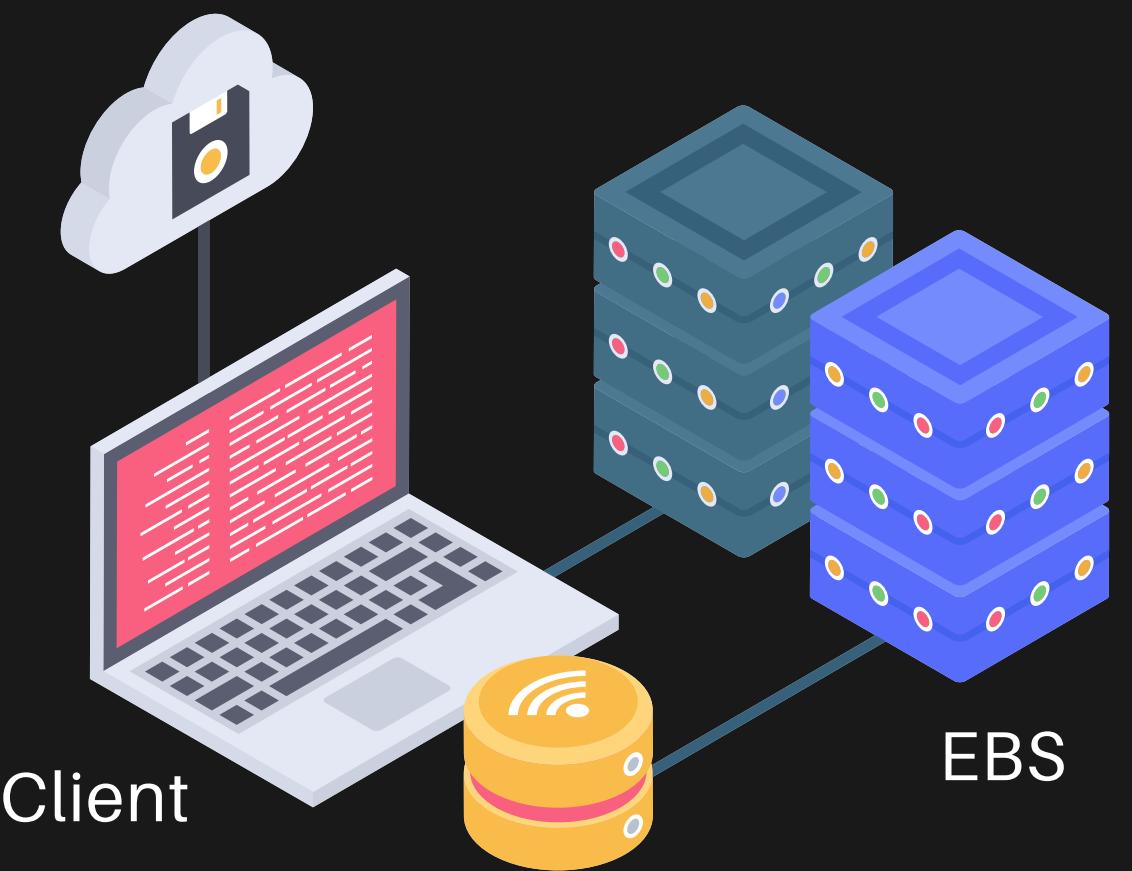
BLOCK STORAGE

Scenario 01



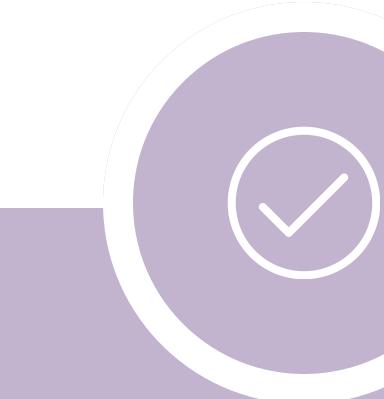
BLOCK STORAGE

Scenario 02

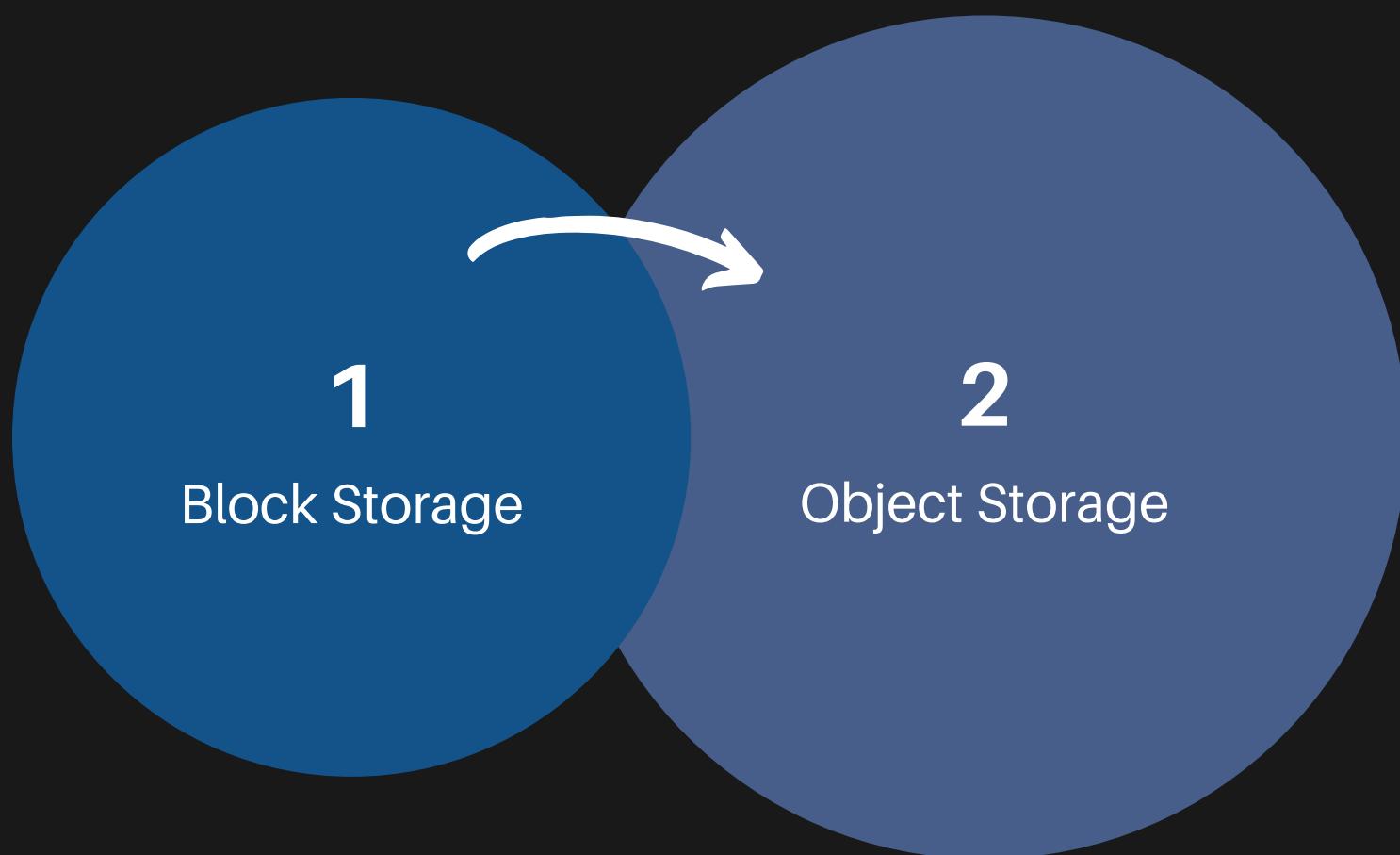


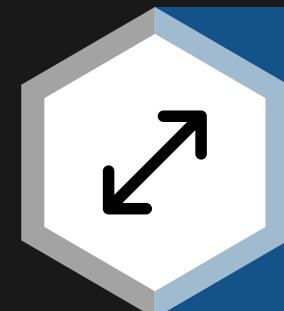
ELASTIC BLOCK STORAGE

Characteristics

				
1 Tight Integration with EC2 Instances	2 Five nines of Availability	3 Choice of Volume Types	4 Annual Failure between 0.1% - 0.2%	5 On Time Snapshots

STORAGE SERVICES





1

Scalability



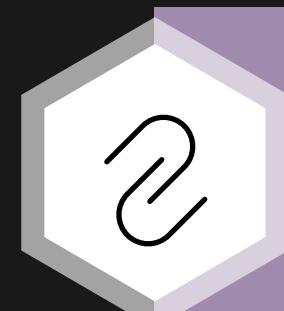
2

Durability



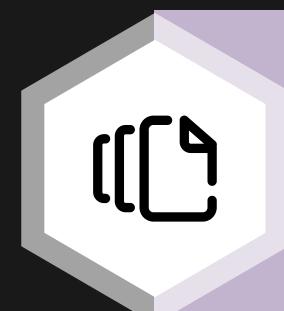
3

Security



4

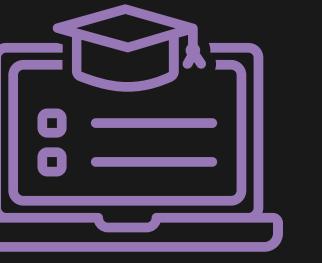
Integration



5

Versioning

S3 USE CASES



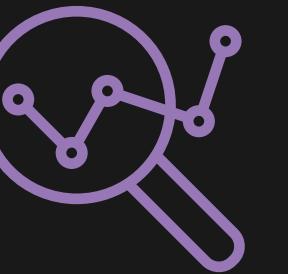
COURSE

Udemy, Coursera, EdX, etc



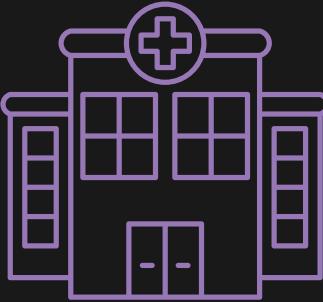
ENTERTAINMENT

NETFLIX, SPOTIFY



RESEARCH AND DEVELOPMENT

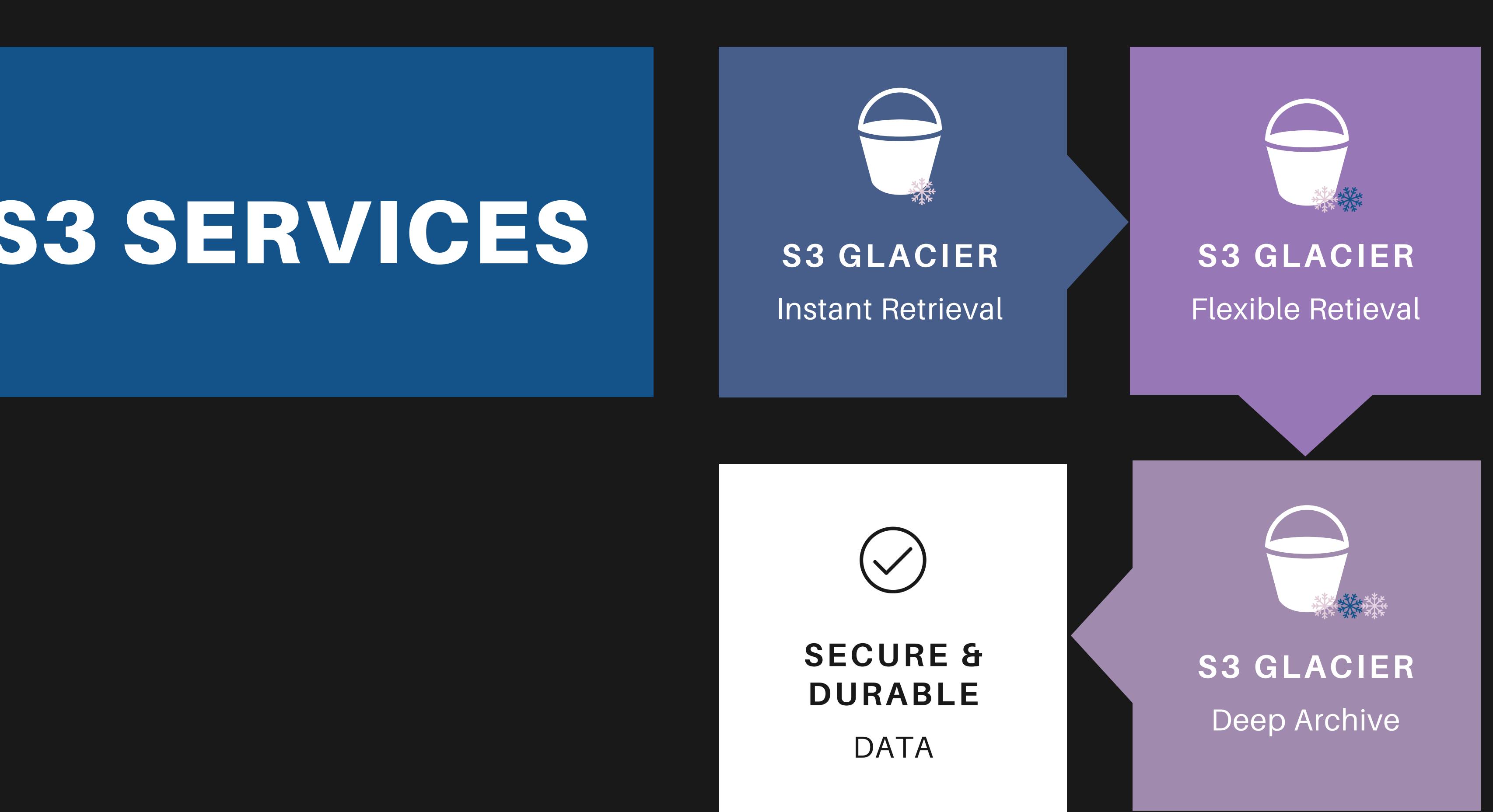
NASA

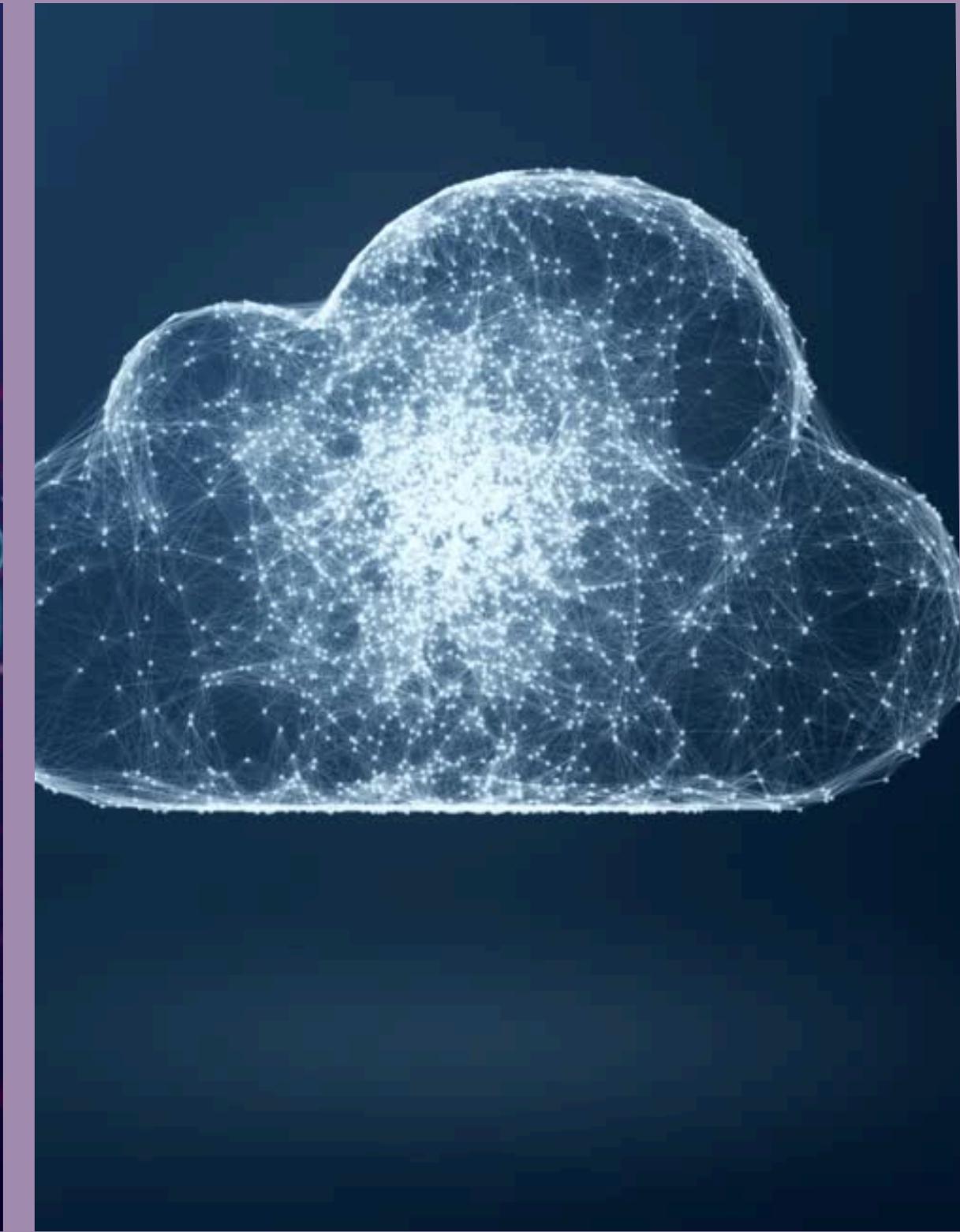


HEALTHCARE

GE HEALTHCARE

S3 SERVICES





INSTANT RETRIEVAL

News

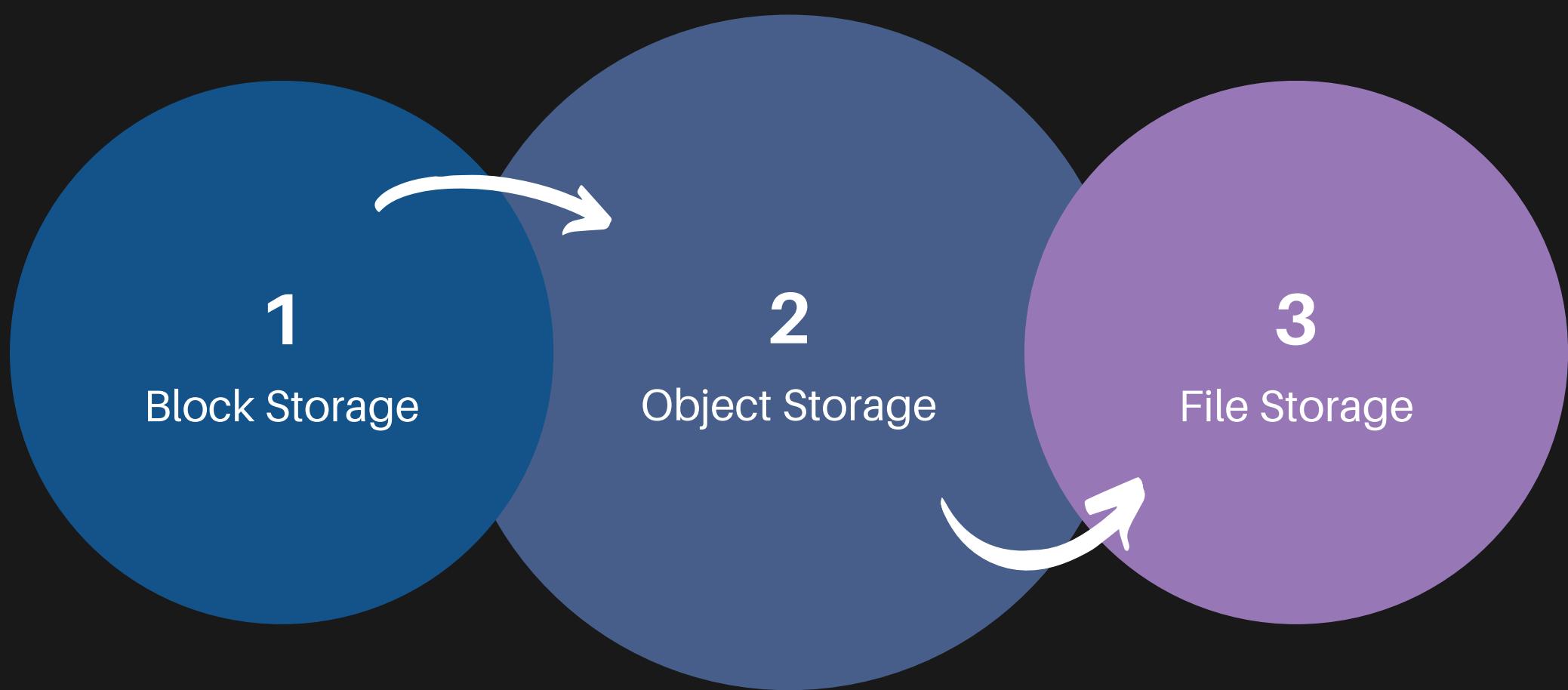
FLEXIBLE RETRIEVAL

Backups, Disaster Recovery

DEEP ARCHIVE

Digital Preservation

STORAGE SERVICES



ELASTIC FILE SYSTEM

AZ 01



AZ 02

PERFORMANCE COMPARISON

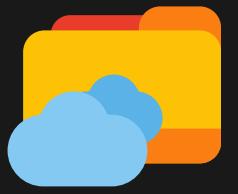
THROUGHPUT
LATENCY
IOPS

THROUGHPUT

LATENCY



EBS



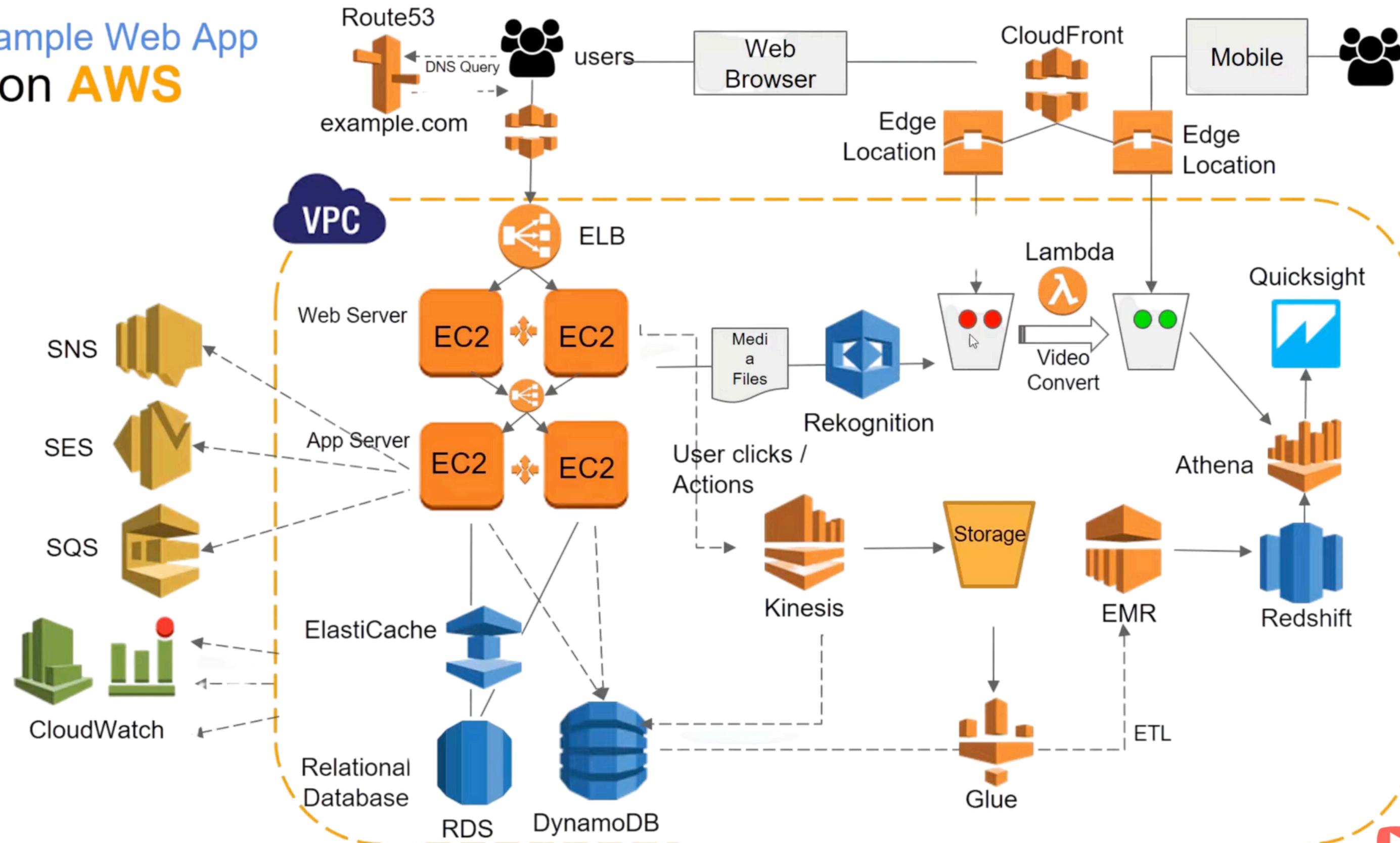
EFS



S3

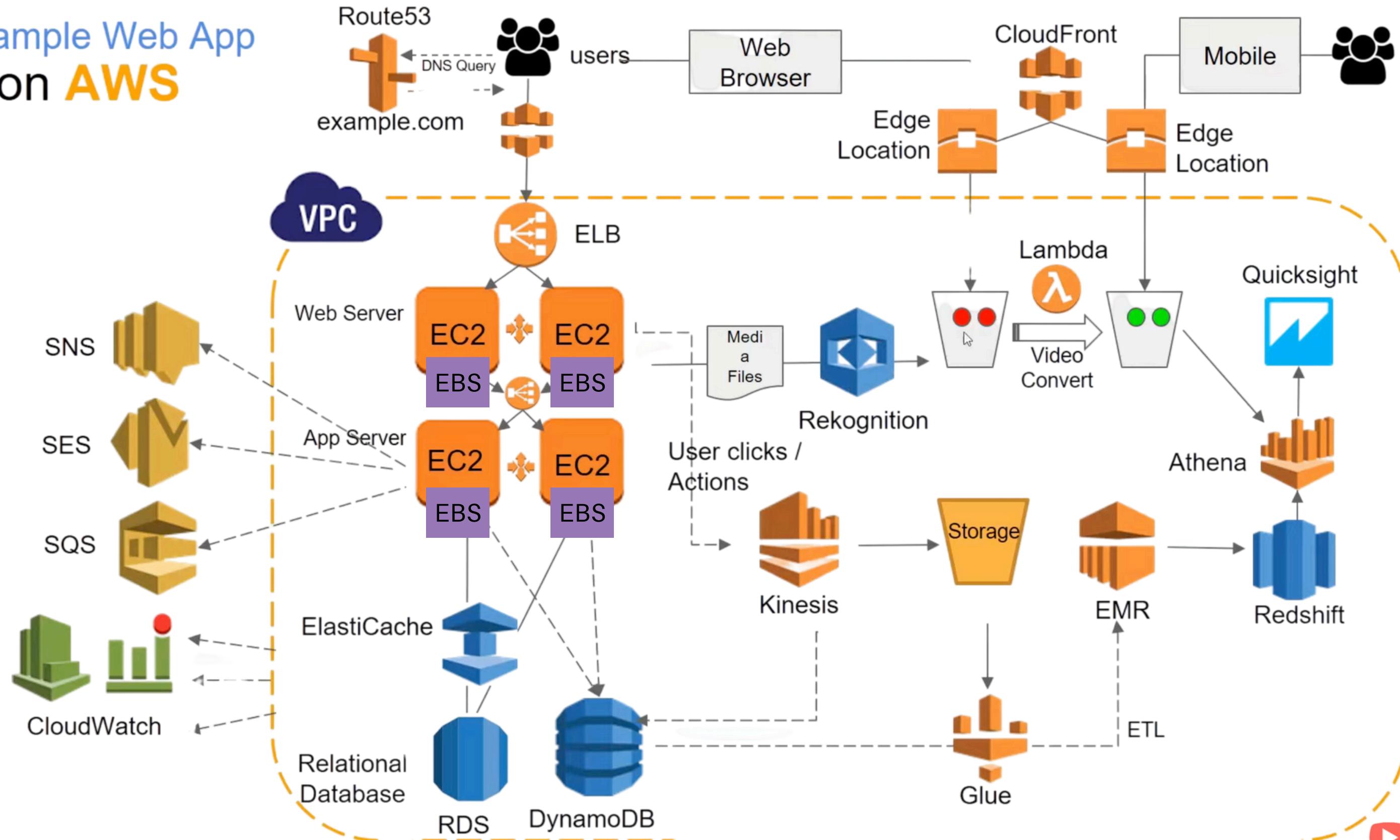
CONCLUSION

Example Web App on AWS



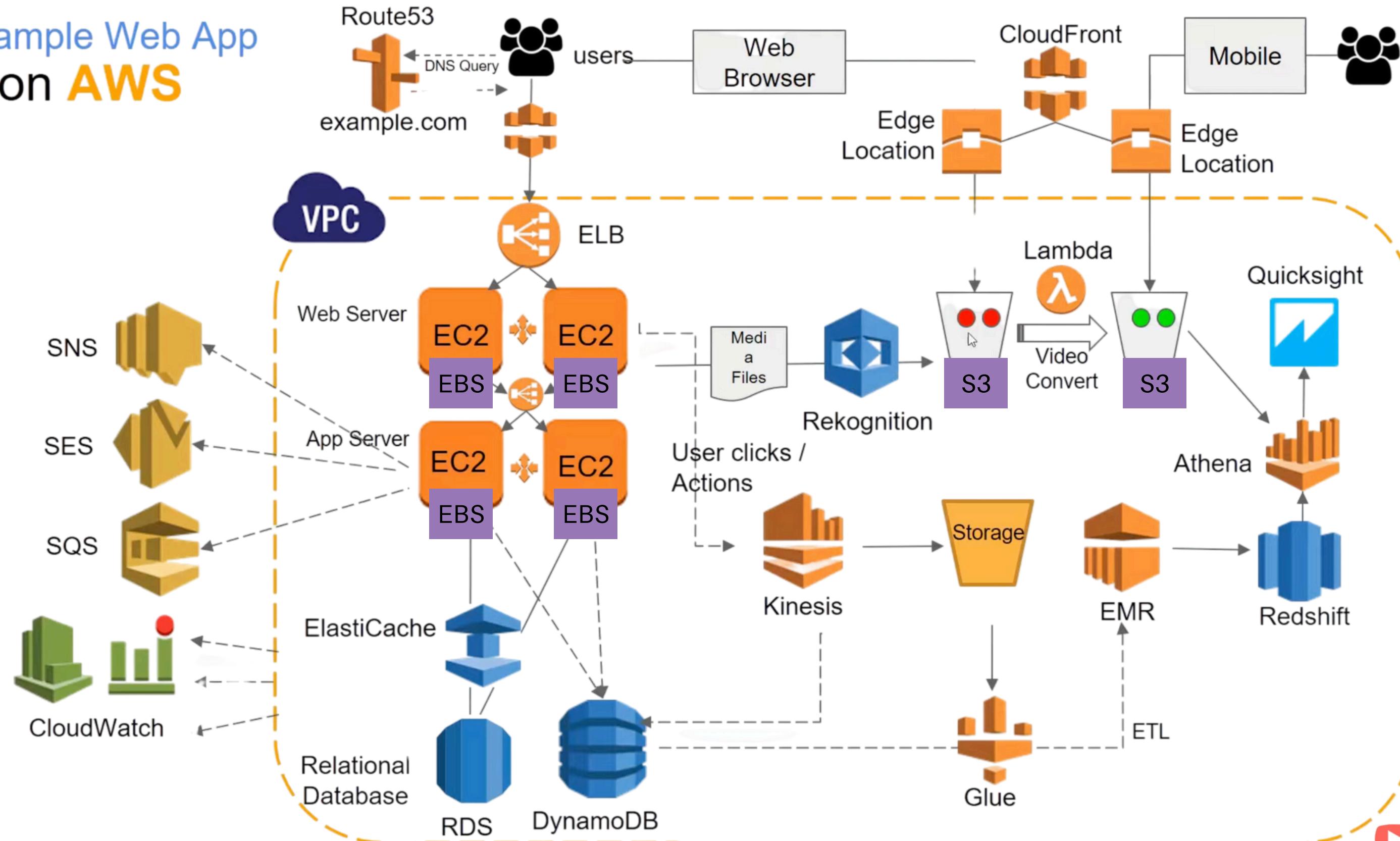
CONCLUSION

Example Web App on AWS



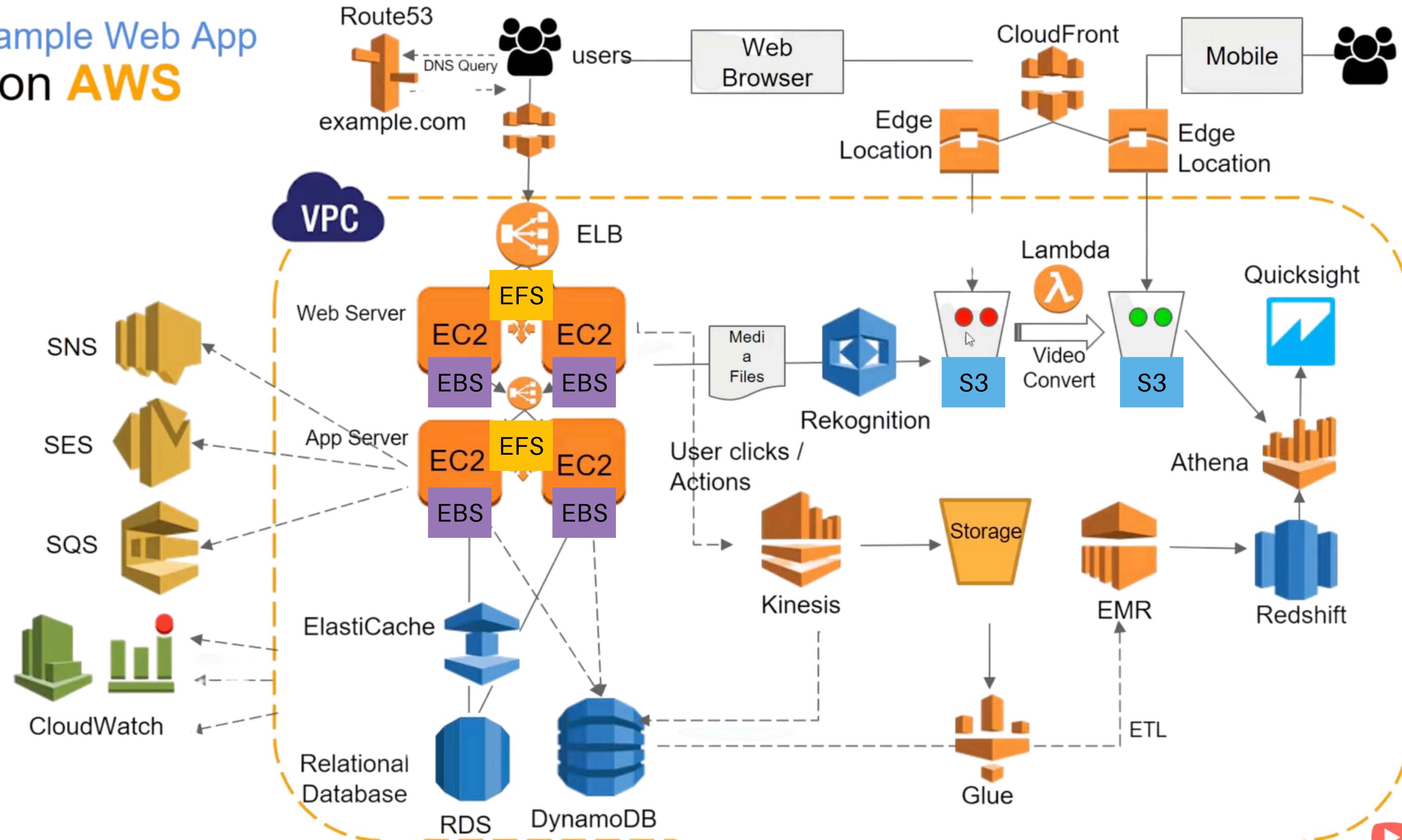
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Example Web App on AWS



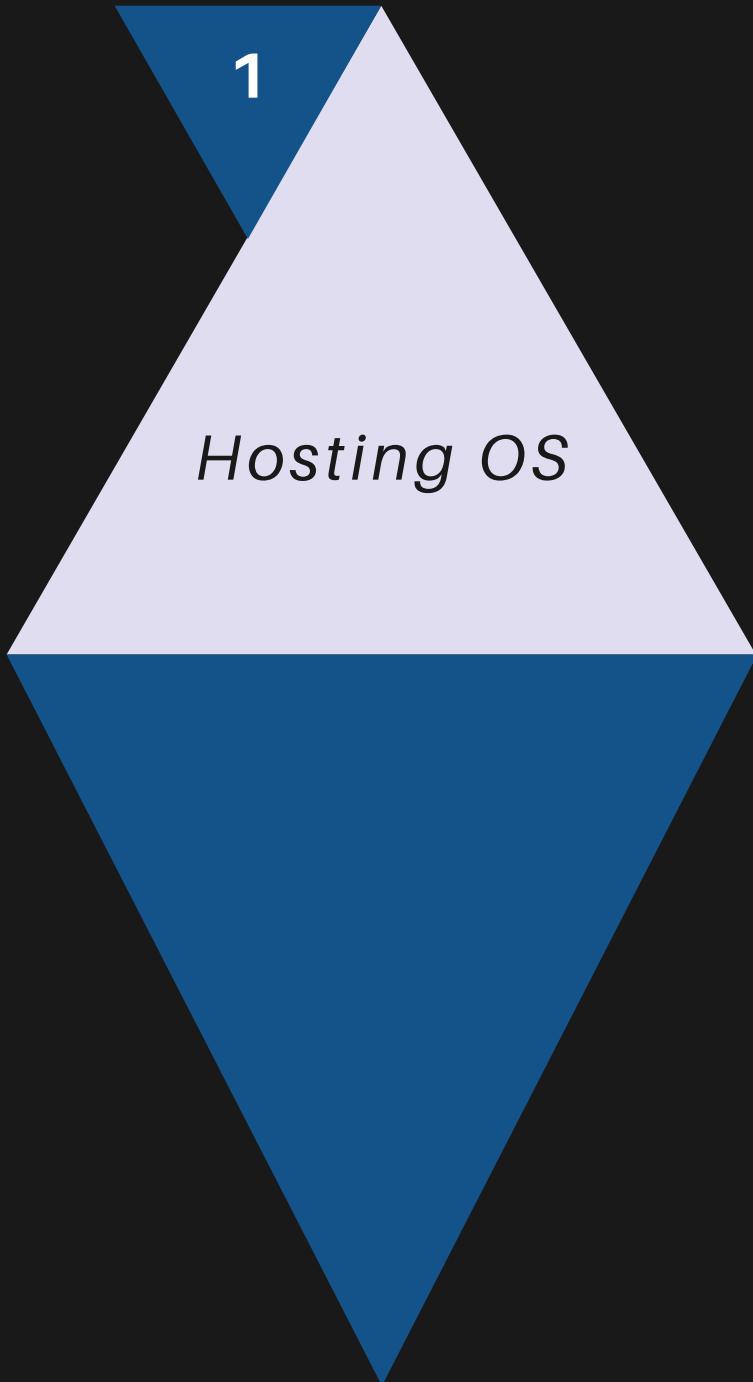
CONCLUSION

Example Web App on AWS



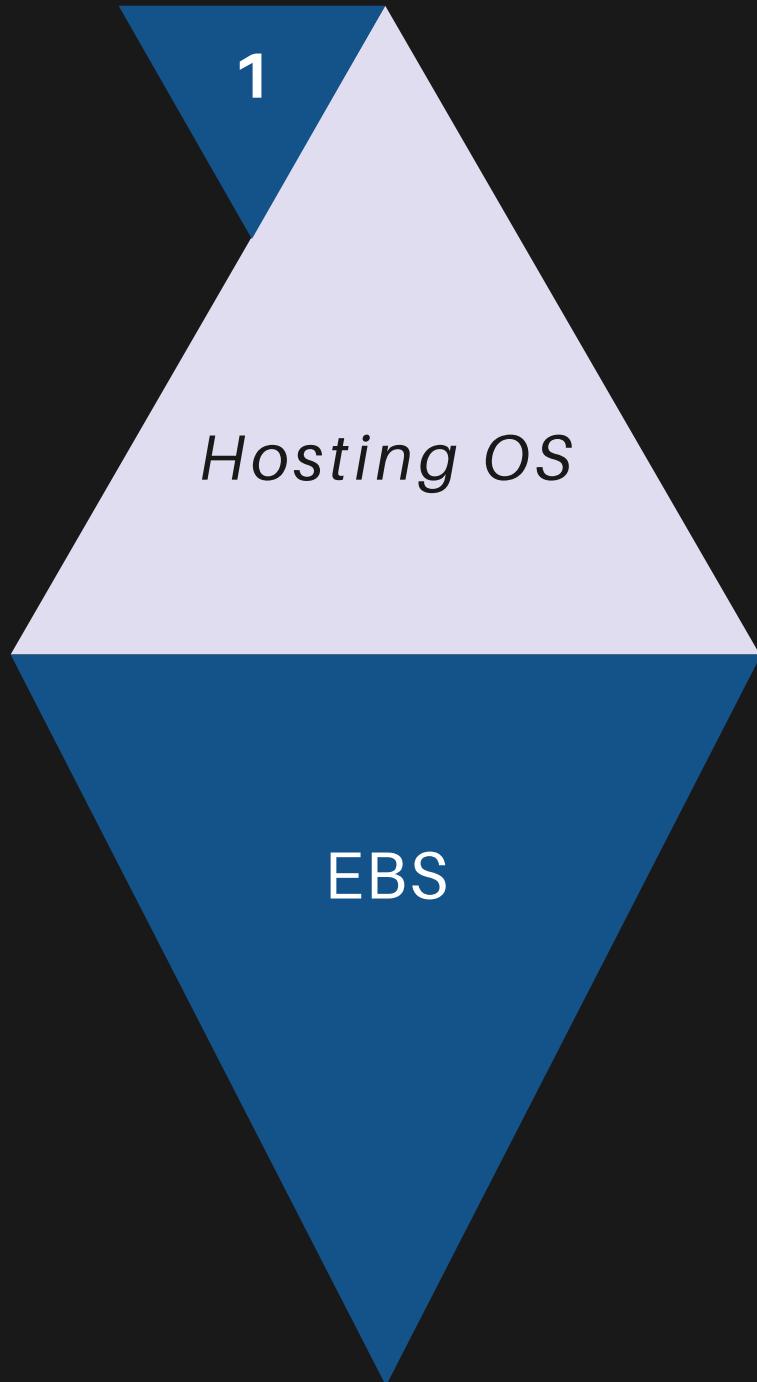
KNOWLEDGE CHECK

Storage Services



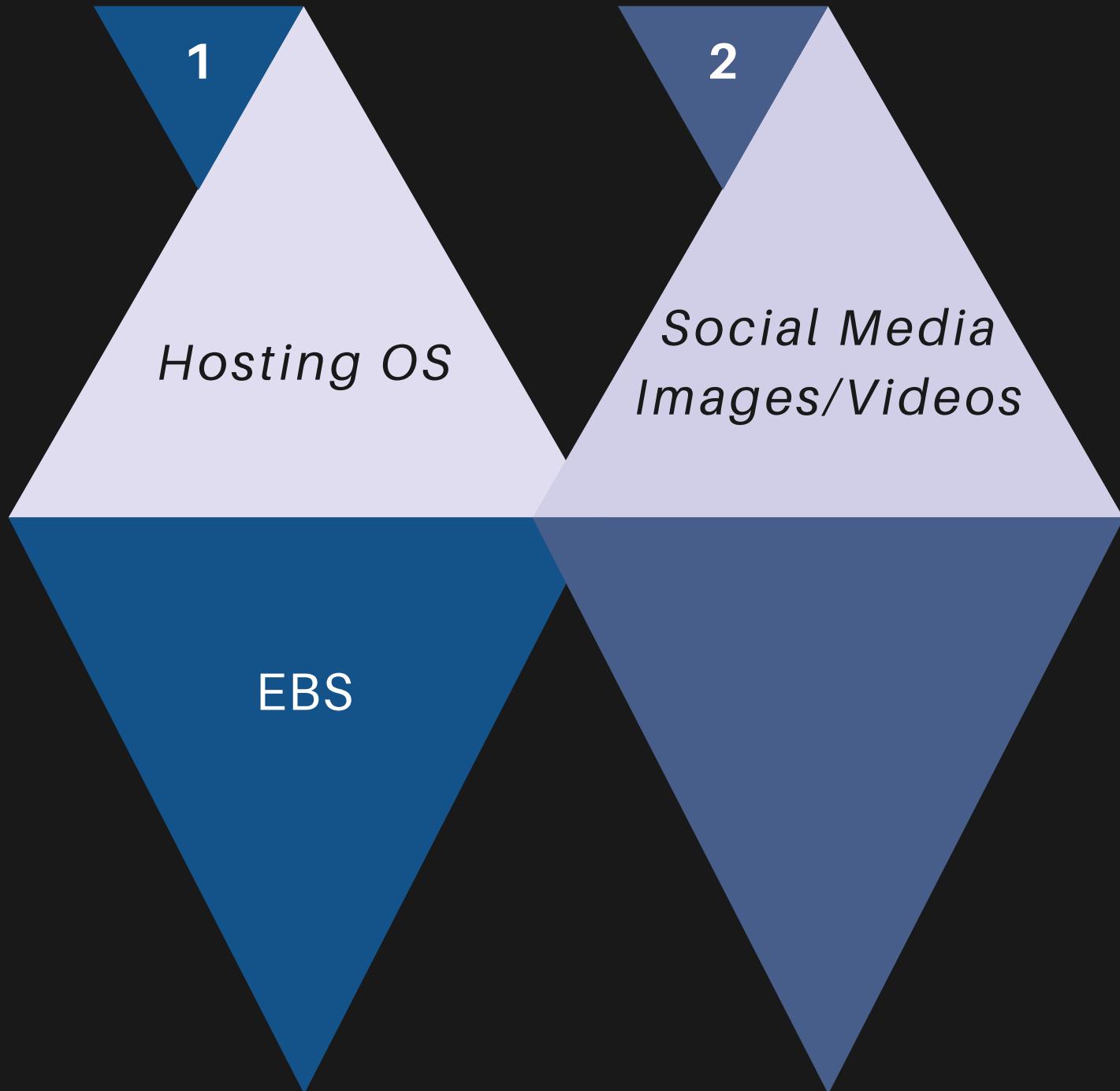
KNOWLEDGE CHECK

Storage Services



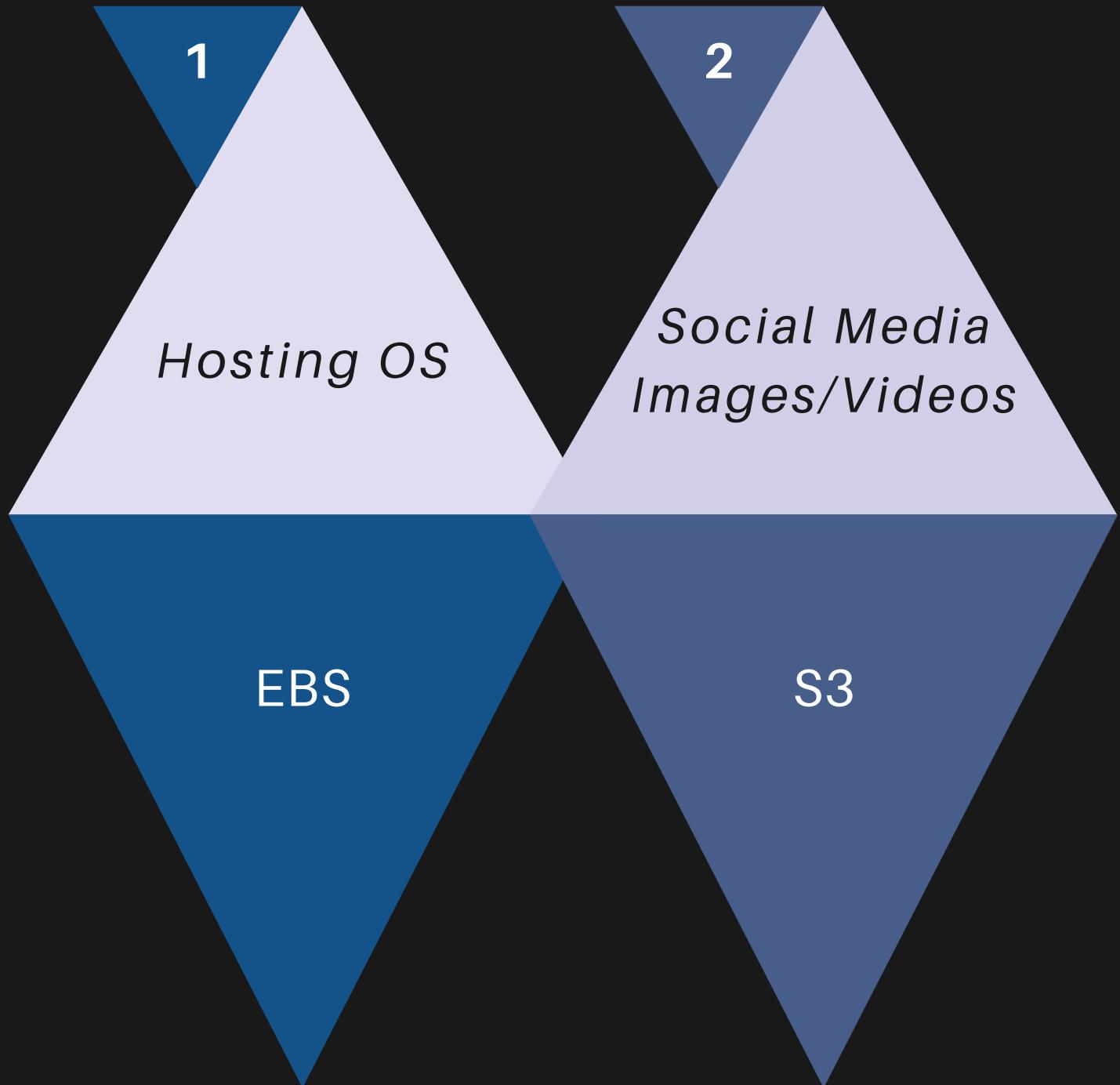
KNOWLEDGE CHECK

Storage Services



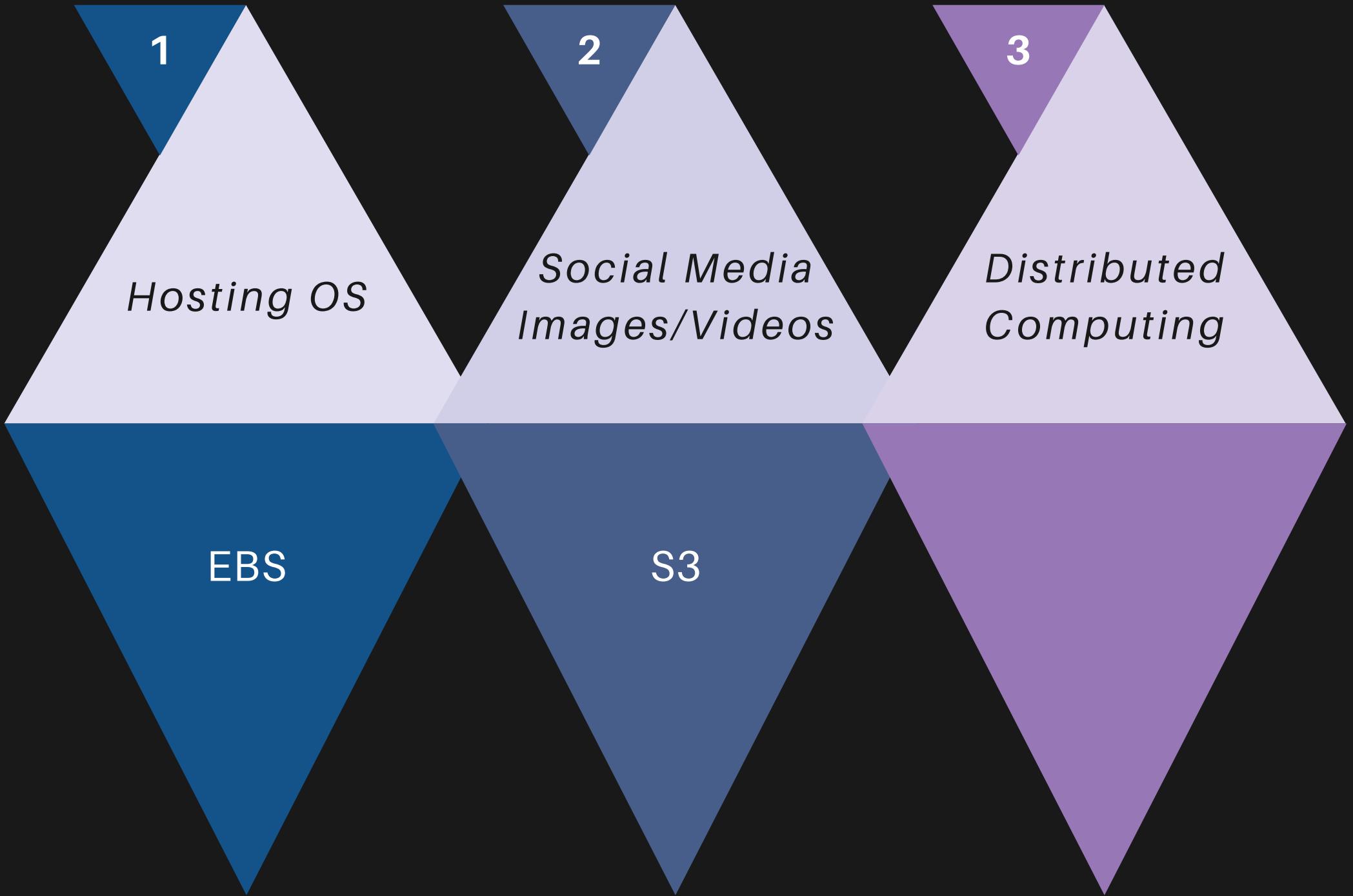
KNOWLEDGE CHECK

Storage Services



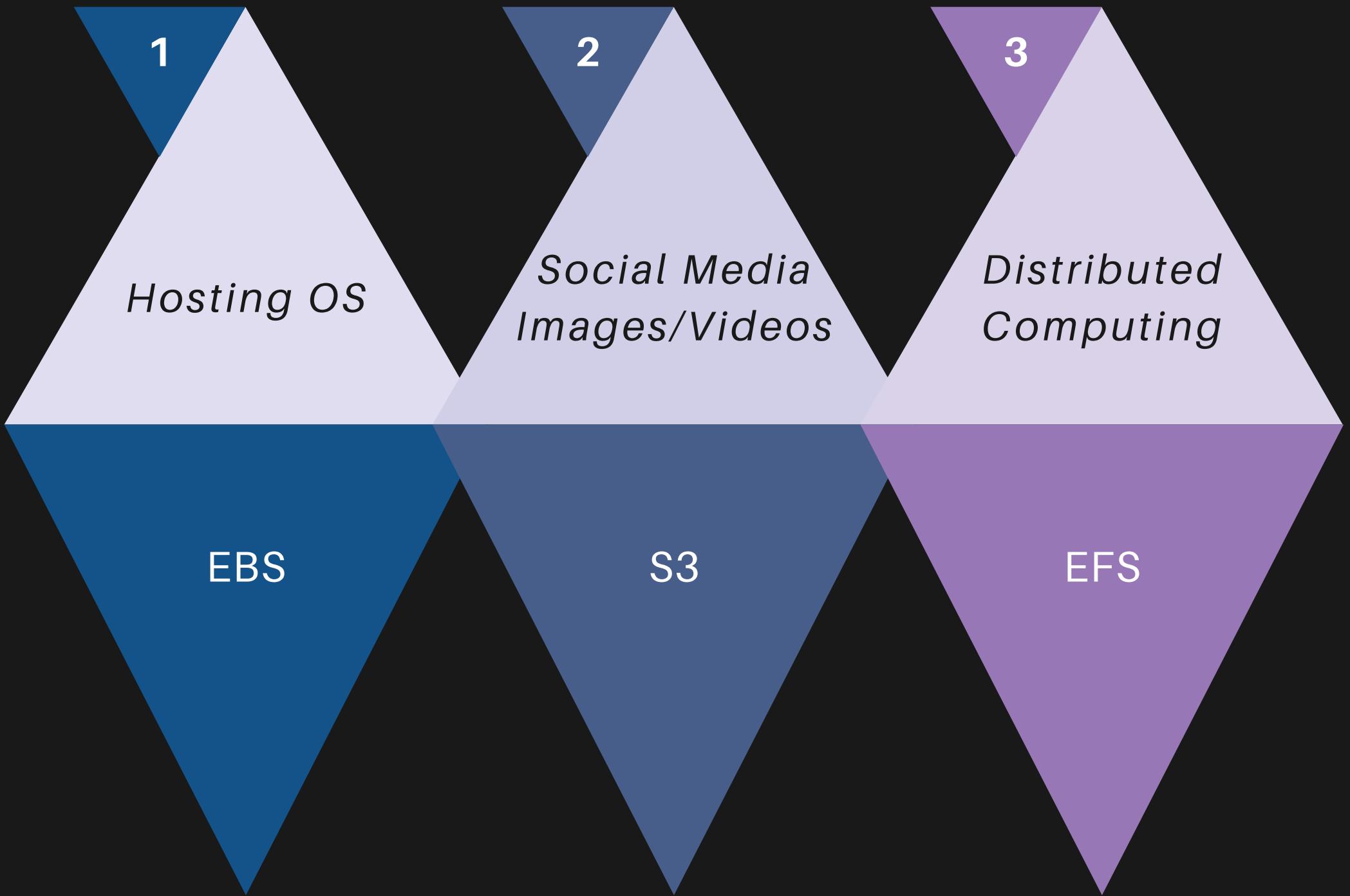
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Storage Services



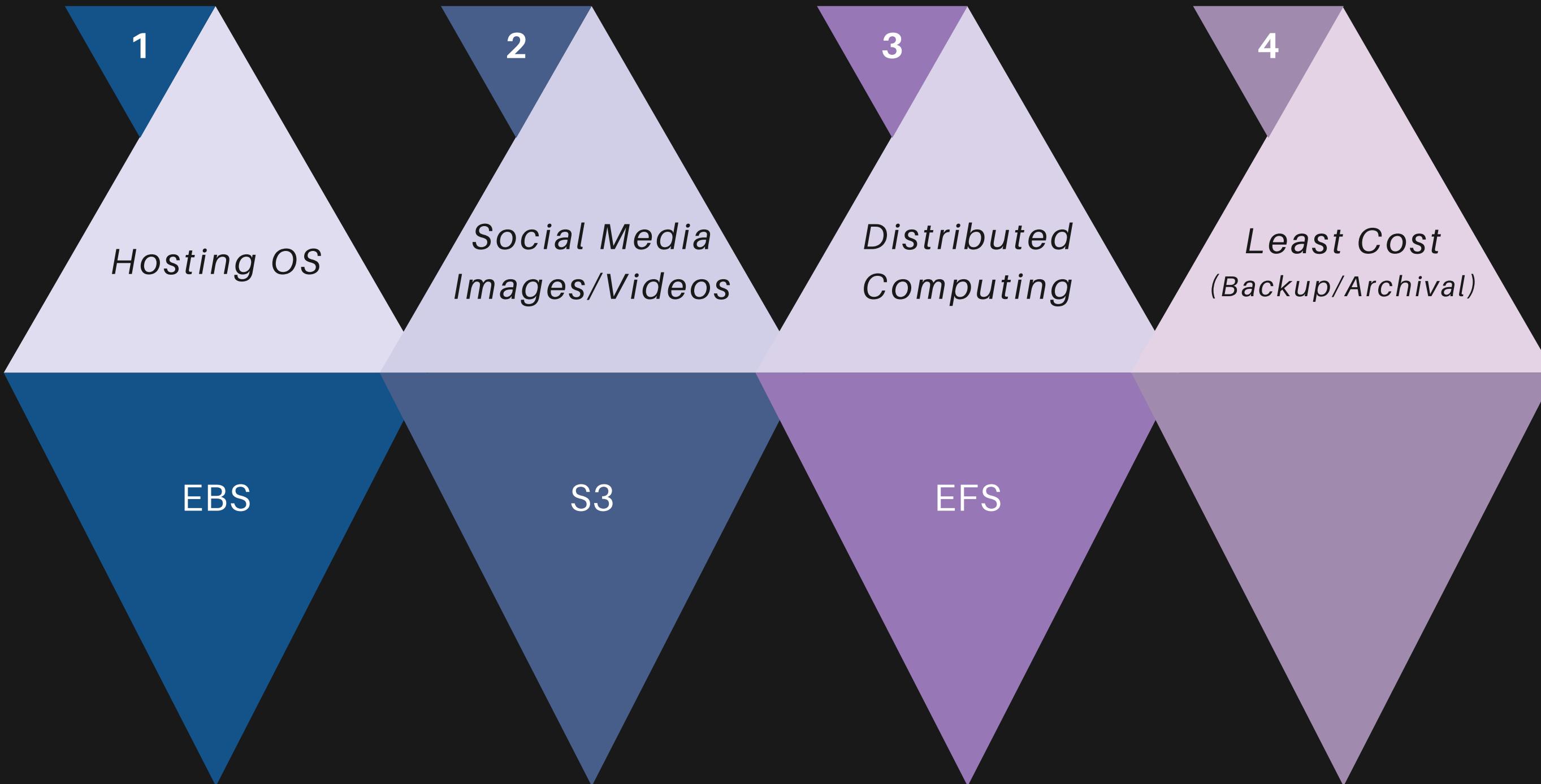
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Storage Services



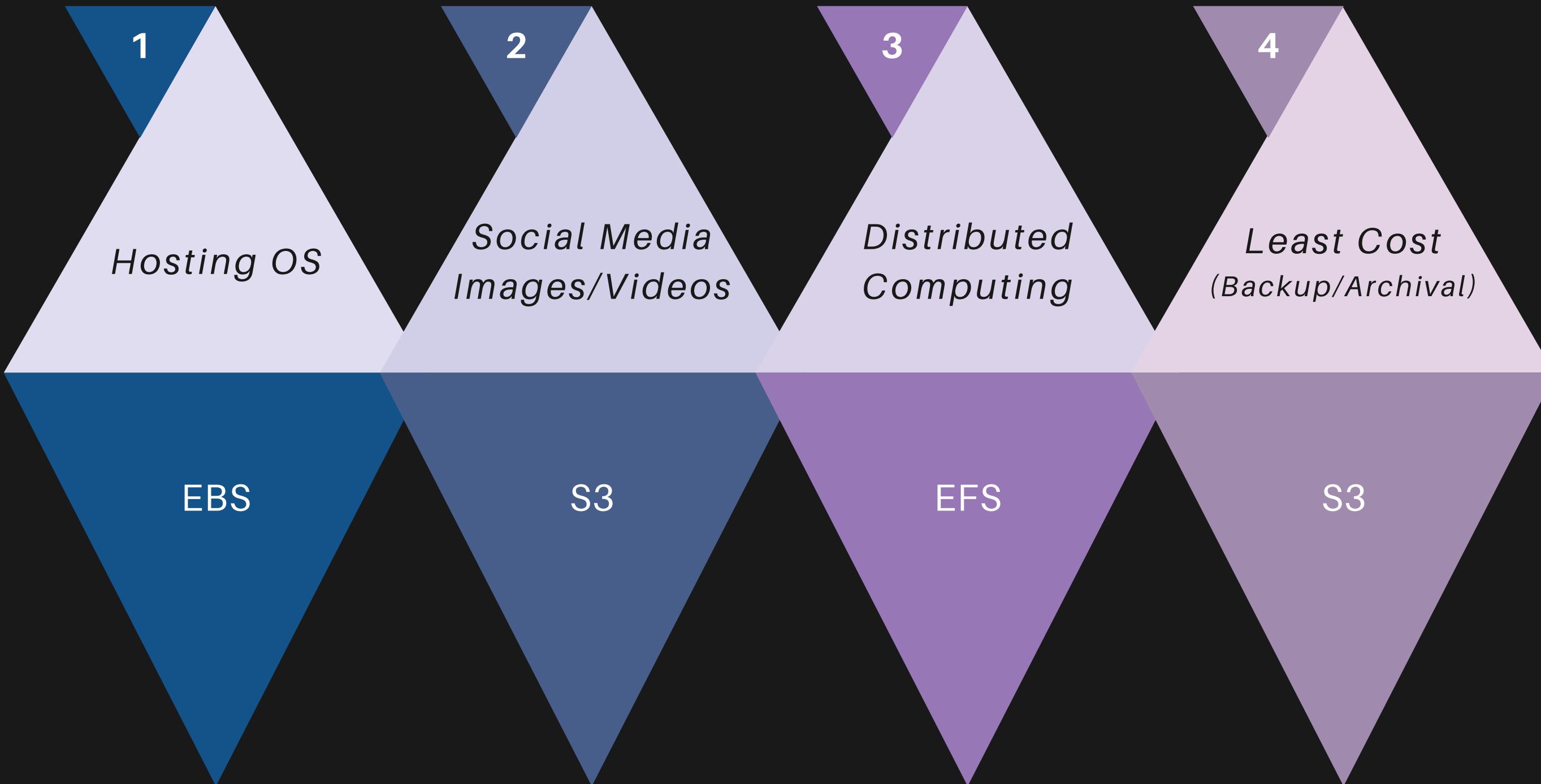
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Storage Services



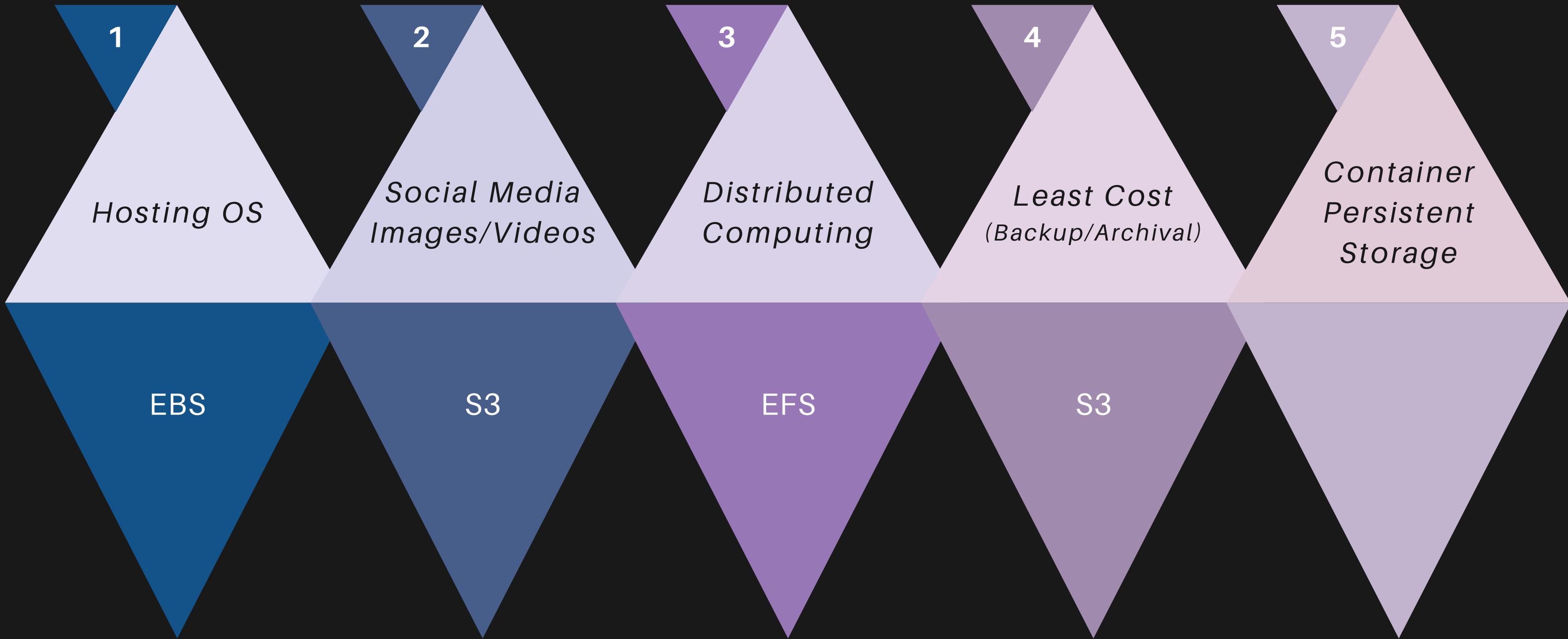
KNOWLEDGE CHECK

Storage Services



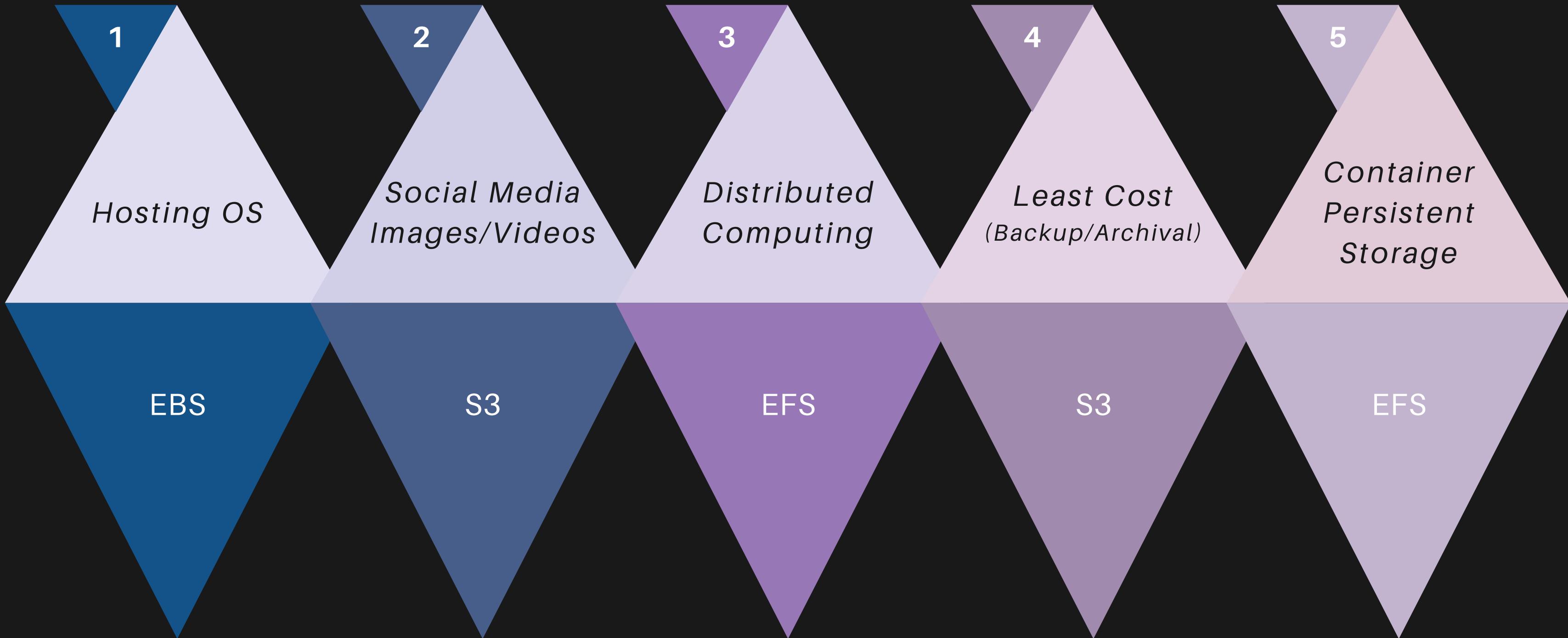
KNOWLEDGE CHECK

Storage Services



KNOWLEDGE CHECK

Storage Services



THANK YOU

