In this video

aws training and certification

Introduction

Benefits

Use cases

Summary

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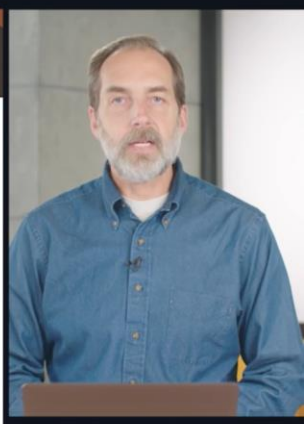
What is FSx for Lustre?

aws training and certification



Lustre file system

- Fully managed service
- Backed by high performance SSD storage
- Integrated with AWS services for performance, simplicity, security and compliance

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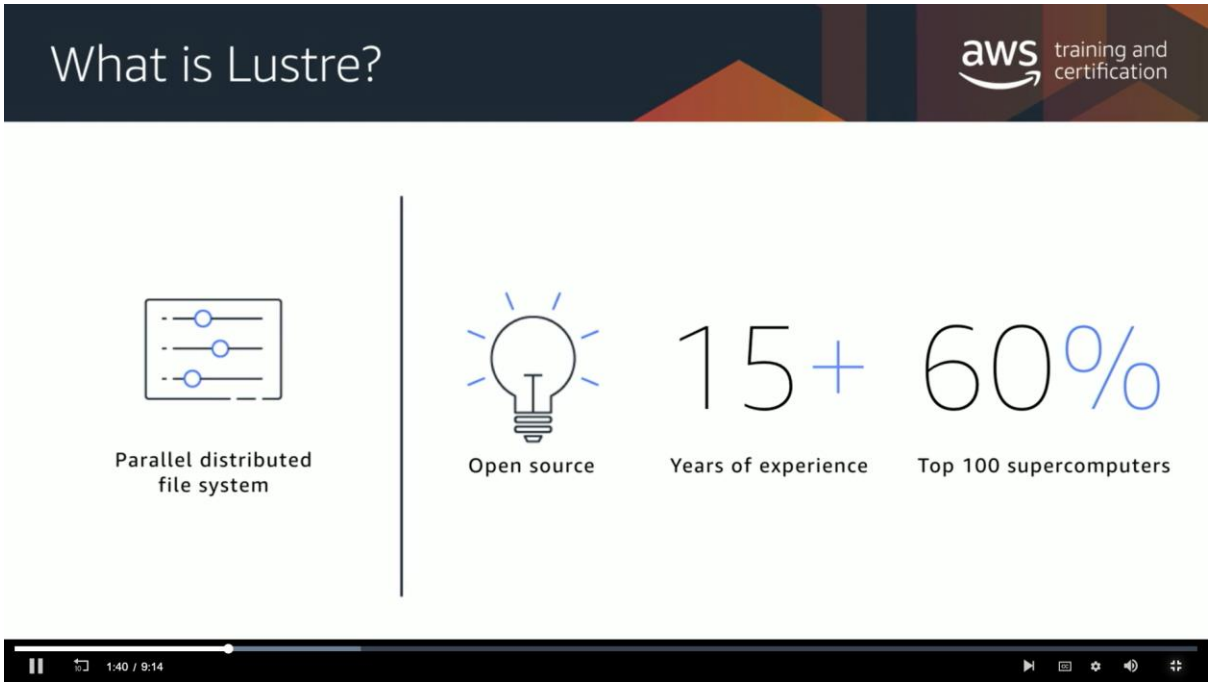
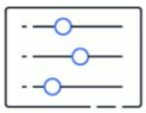

What is Lustre?
aws training and certification
Parallel distributed file system
Open source
15+
Years of experience
60%
Top 100 supercomputers
1:40 / 9:14

What is Lustre?

aws training and certification

Designed for compute-intensive workloads



Parallel distributed file system

Open source

15+

Years of experience

60%

Top 100 supercomputers

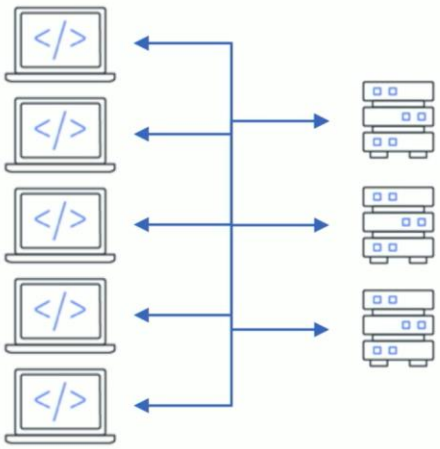
2:01 / 9:14

What is a parallel distributed file system?

aws training and certification

Provides high throughput for processing massive amounts of data and performs operations with consistent low latencies

Storing data across multiple networked servers that thousands of compute instances can access concurrently



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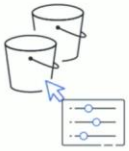
Benefits

aws training and certification

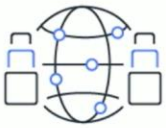
Massively scalable performance



Seamless integration with S3

Compatible with your applications

Secure and compliant



Simple and fully managed

Cost-effective

Benefits

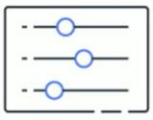
aws training and certification

Massively scalable performance

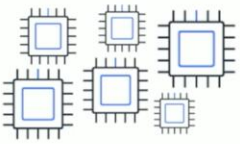
100+ GiB/s throughput

Millions of IOPS

Consistent sub-millisecond latencies



Parallel distributed file system



Connects to thousands of compute cores

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Benefits

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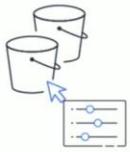

Seamless integration with S3

Link your S3 data set to your FSx for Lustre file system

FSx for Lustre file system

Amazon S3 bucket

4:37 / 9:14

Benefits

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Secure and compliant

Data encrypted at rest

PCI-DCC & ISO compliant HIPAA eligible

Network traffic access control using Amazon VPC security groups

Admin API access control using AWS IAM

Monitor and log API calls using AWS CloudTrail

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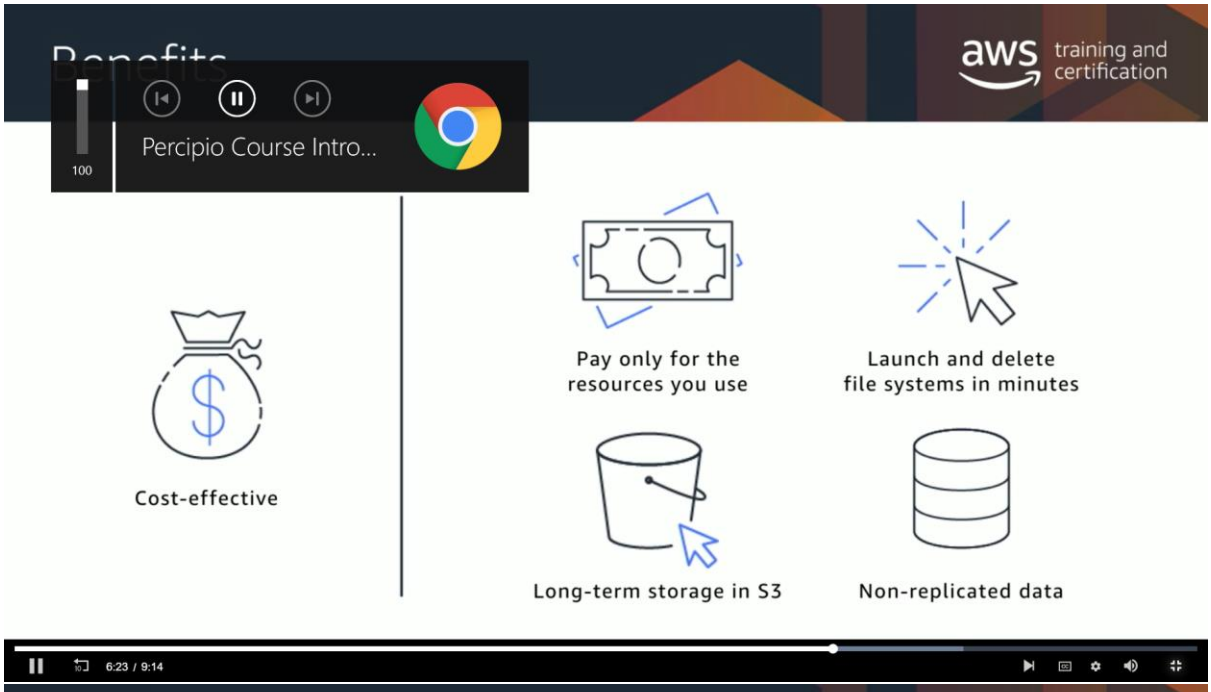
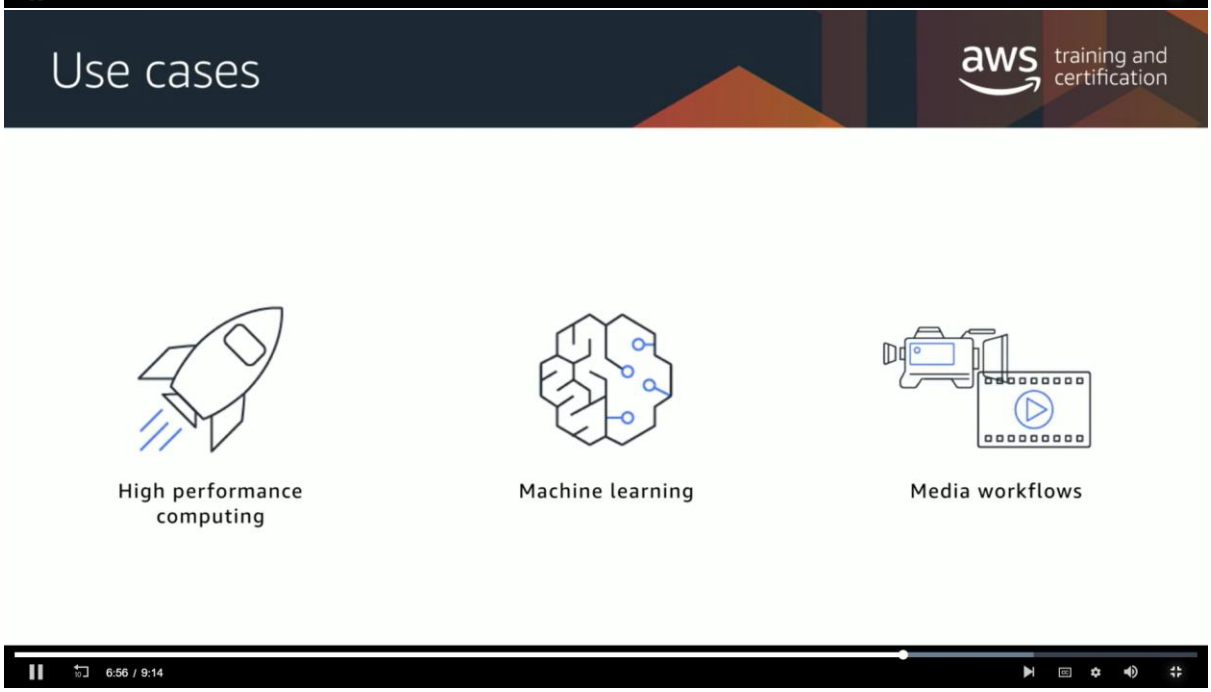

Benefits
aws training and certification
100
Percipio Course Intro...
Cost-effective
Pay only for the resources you use
Launch and delete file systems in minutes
Long-term storage in S3
Non-replicated data
6:23 / 9:14


Use cases
aws training and certification
High performance computing
Machine learning
Media workflows
6:56 / 9:14