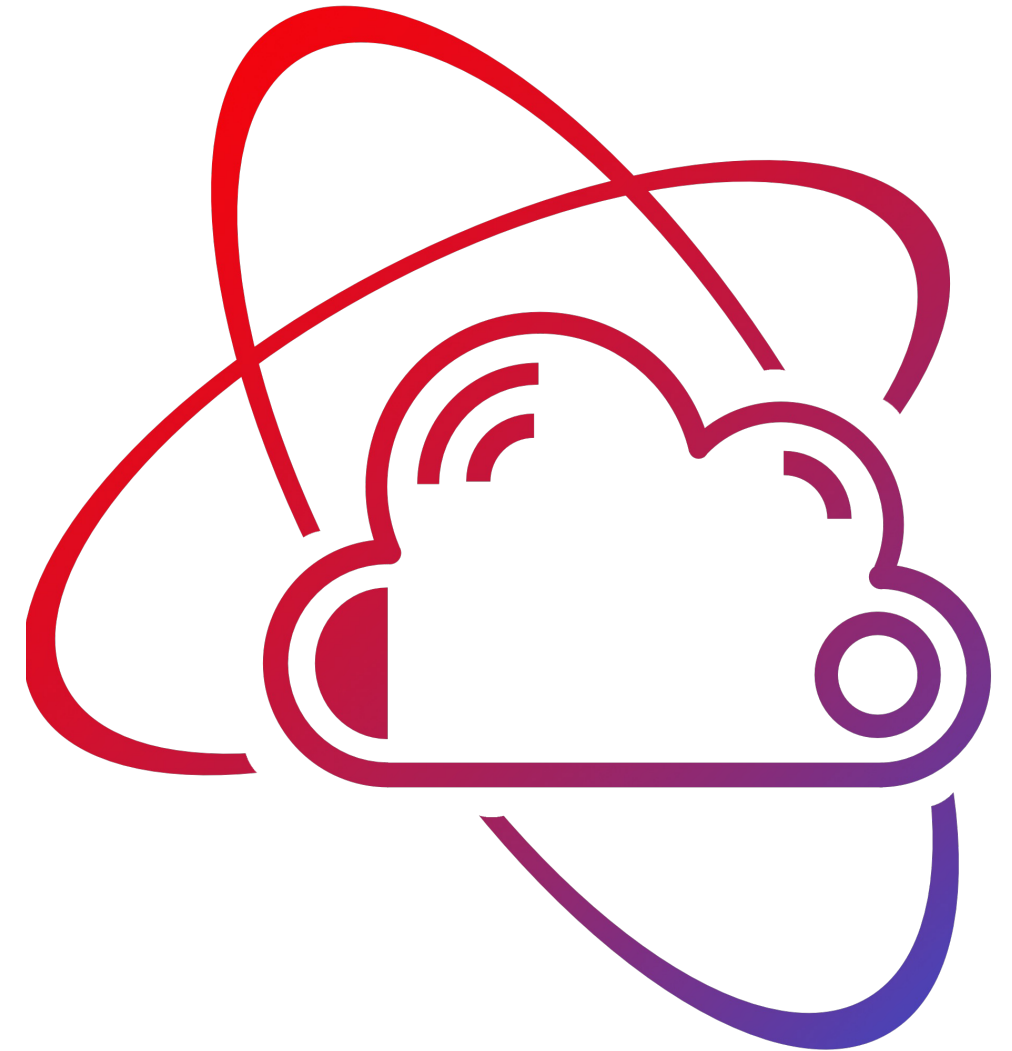
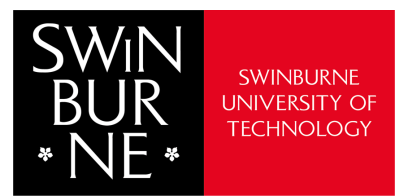


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Cloud Computing Architecture

Week 4 - Introduction



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Acknowledgement of Country

We respectfully acknowledge the Wurundjeri People of the Kulin Nation, who are the Traditional Owners of the land on which Swinburne's Australian campuses are located in Melbourne's east and outer-east, and pay our respect to their Elders past, present and emerging.

We are honoured to recognise our connection to Wurundjeri Country, history, culture, and spirituality through these locations, and strive to ensure that we operate in a manner that respects and honours the Elders and Ancestors of these lands.

We also respectfully acknowledge Swinburne's Aboriginal and Torres Strait Islander staff, students, alumni, partners and visitors.

We also acknowledge and respect the Traditional Owners of lands across Australia, their Elders, Ancestors, cultures, and heritage, and recognise the continuing sovereignties of all Aboriginal and Torres Strait Islander Nations.

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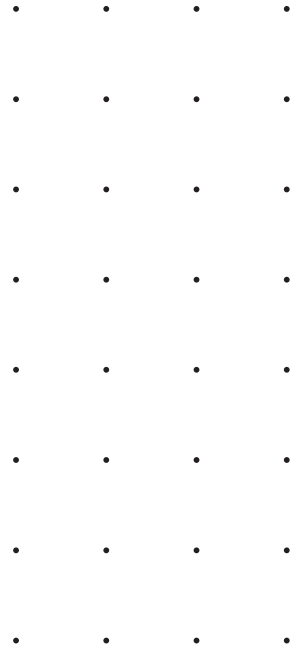
In this Presentation:

- AWS Storage Services Overview
- Introduction to Amazon S3



Amazon
S3

Image from: <https://aws.plainenglish.io/optimize-your-aws-s3-performance-27b057f231a3>



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AWS Storage Services Overview

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AWS Storage Services

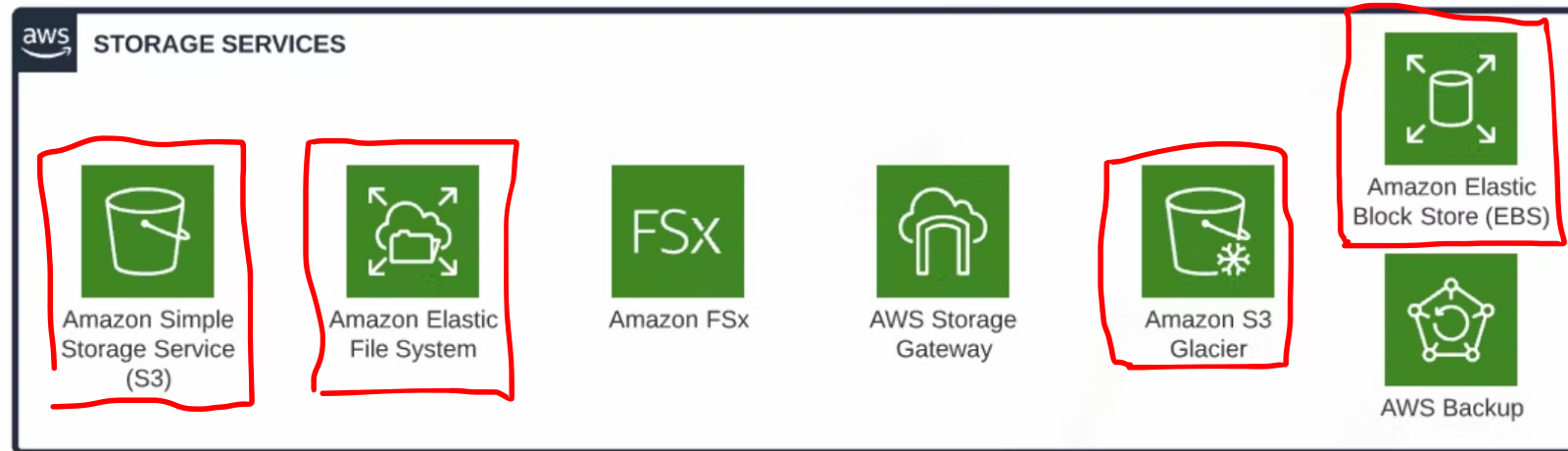
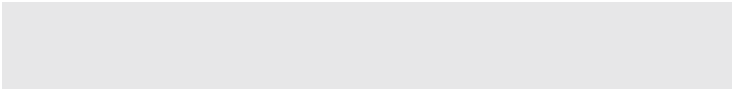
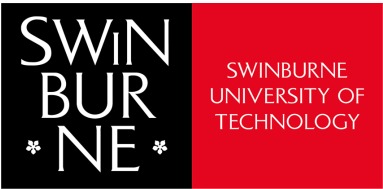


Image from: <https://blog.jineshkumar.com/aws-cloud-storage-services>

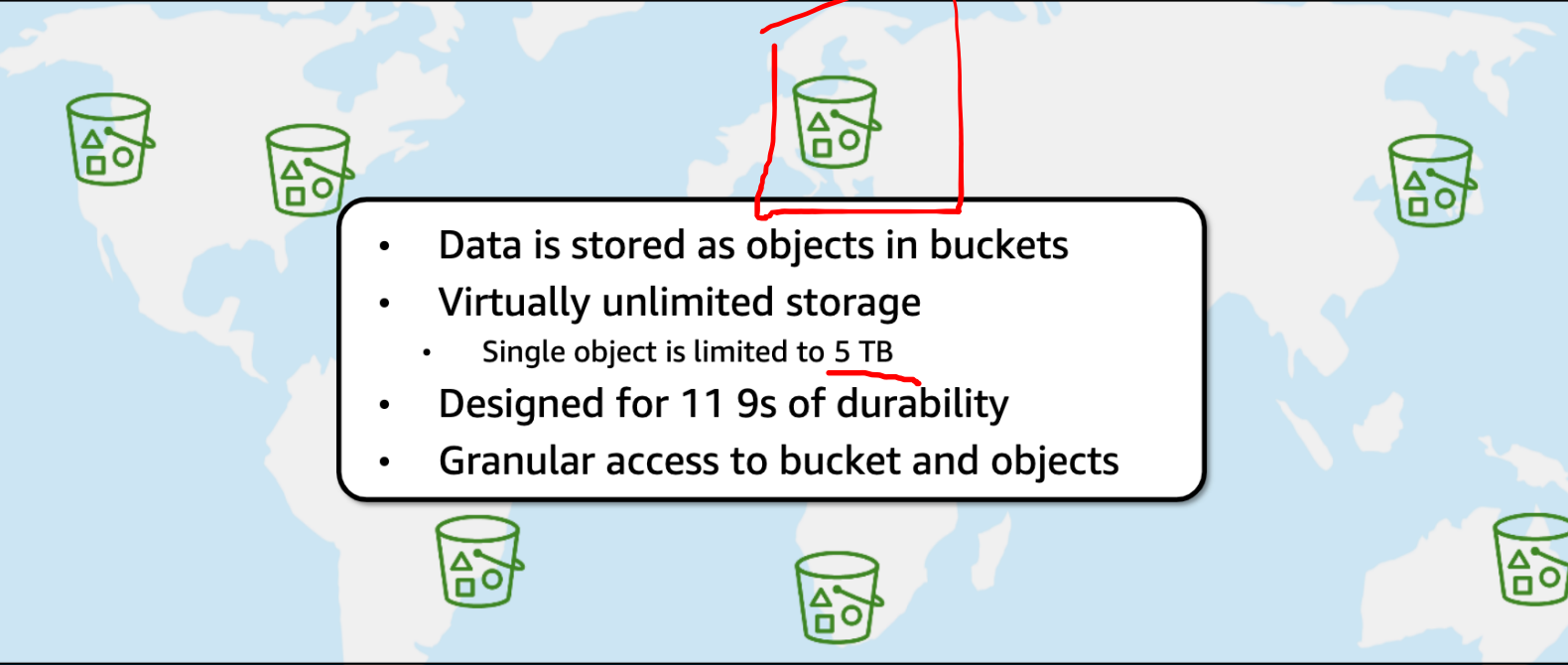
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Introduction to Amazon S3

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Amazon S3 overview



- Data is stored as objects in buckets
- Virtually unlimited storage
 - Single object is limited to 5 TB
- Designed for 11 9s of durability
- Granular access to bucket and objects

aws

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Amazon S3 storage classes


Amazon S3 offers a range of object-level storage classes that are designed for different use cases:

- Amazon S3 Standard
- Amazon S3 Intelligent-Tiering
- Amazon S3 Standard-Infrequent Access (Amazon S3 Standard-IA)
- Amazon S3 One Zone-Infrequent Access (Amazon S3 One Zone-IA)
- Amazon S3 Glacier
- Amazon S3 Glacier Deep Archive






Data is redundantly stored in the Region


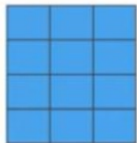


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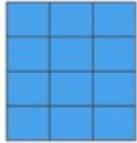
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Facility 1




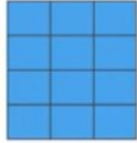
media/
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Facility 2




media/
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Facility 3



media/
welcome.mp4

Region



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