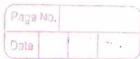
Page No.

	Oale Oale
	Practical 2 - Storage as a Service using AWS 20 000000 82
Shoyaar	Simple Storage Service (53) offers a versatile of realable
	Storage as ansemice-33 mon still prof stability notifules
	sa (simple storage service) is a scalable object storage
	service offered by Ahu designed for storing and retrieving
~ OA	any amount of data from anywhere on the web. It is known
y thi	for its durablisty, scalability, security of performance
•	Key features - Stilldpiles bab
tostate	Scarability - Automatically seales storage capacity to
(20)	accommodate growing data needs without any user intervention.
1 20	Durability and Availability -> Amazon 5315 designed to provide
See 6	99.999999997. (119's) durability ensuring data is safe and
೨ ಆ	ensures 99.991. availability over a given year 29 No. 1840
351	Storage Classes - Standard (General purpose), Intelligent-
	Tiering, Standart-IA (Infrequent Access), One Zone-IA, Glacier,
	Glacier Deep Archive
(ALDT 43)	Security -> Supports server-side encryption (SSE) with AWS
1.00	managed keys (SSE-S3) jAWS KMS managed keys etc.
, x+002 3	Logging & Monitoring tracks access and wage with AWS
	Cloudtrail and S3 access logs 9M3 norma vo goodet
	Data Transfer - Speeds up data transfers by using Amazon
	Cloud Front's globally distributed edge locations
	Benefits to & poitoodesidumt enivorinem not beryinne ad
1.	Cost-effective -> Pay-as-you-go pricing model with no upfront
	costs . Multiple storage classes help optimize costs based on
	access batterus.
2.	Fasy Integration - Integrates with a wide range of AWS
and the second	services and third party applications, facilitating diverse
9 (17	and complex oworkflows which se or of the pivola se
	- 190'swee, in til mora it form list of services

	Data
ચ]	Practical 2 - Storage as a Service using AW: 194092U EZ
	Simple storage Service (S3) offers a versatile of scalable storage
	solution suitable for a wide range of use cases sported 5
1.	Backup and Restore 38 provider highly durable storage
01	that is ideal for backing up critical data.
0.20	Data Backup and Archiving -> S3 is commonly used for
	data backup and long-term archiving due to its durability
	and reliability.
3 ·	Content Distribution - It can be used to store static content
not	such as images, videos and downloadable files content can
Thiv	he distributed globally to users through Amazon Cloudfont,
4	an content: delivery network! (con) (2011) . 1 9 9 9 9 9 9 9 9 9 9 9
<b>a</b>	Data Lakes - It is often a foundational component of
	data lake architectures of allows organizations to store
K 3.41	structured and unstructured data in its native format,
	facilitating data analytics and processing grant comme
5.	Big Data of Analytics 7 53 is commonly used to store raw
	data for big data & analytics pipelines It serves as a landing
	zone for data before processing it with tools like Apache Spank,
	Hadoop, or Amazon EMR 2001 229200 ER bon Hortbuel
6.	Log and Event Storage - Applications of systems can use 33
	to store logs revents and telemetry data . This data can later
	be analyzed for monitoring, troubleshooting of compliance purposes
toon	11 Cast-effective - Pay-as-you-go proving model with no ut
	Steps ufor 33: ssimting glad 1922013 spande sightlum : 81203
	Create an AWS account control senting manner
	Access the AWS Management Console nothing that 1203 .
	severes and third party applications, facilitations
4	- Mavigate: Go to S3 dashboard by searching Issin the
	console or selecting it from list of semices.
	J

Paga No.

UIOA



3.	Create an S3 Bucket
-	Click 'Create Bucket'
	Configure Bucket: Bucket Name
_	· Choose the Alas region
	· Configure optional settings
	Setup Bucket Policies and Permissions
	Access Control
	Bucket Policy
	Configure AWS IAM policies
	ACLS: Set permissions at object level is needed.
	Upipad phjects
_	Upload files: Use the 53 console to upload files and folders
	to your bucket.
	Drag and Drop: Use the S3 web interface to drag & drop files.
	Manage and Organize Data
	Use \$3 console to create folders to organize objects
	Assign metadata to objects for easier management
	Enable versioning to keep multiple versions of objects
	Setup Data Management Policies
	Monitor & Optimize
	Configure Security
10	· Integrate with Other Ahls services.