

Lesson 08 Demo 08

Creating a Kinesis Data Firehose

Objective: To create a Kinesis Data Firehose, set up an Amazon S3 bucket as the destination,

and test the data delivery stream

Tools required: AWS Workspaces

Prerequisites: Amazon account

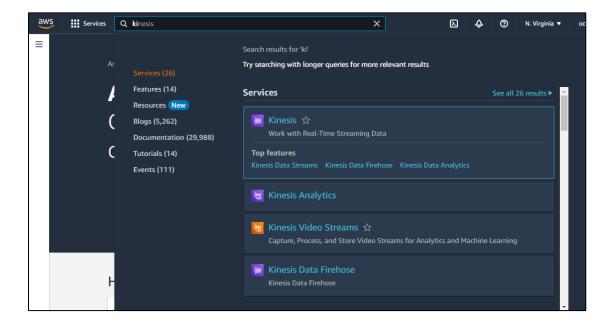
Steps to be followed:

1. Create a Kinesis Data Firehose

2. Create an S3 bucket

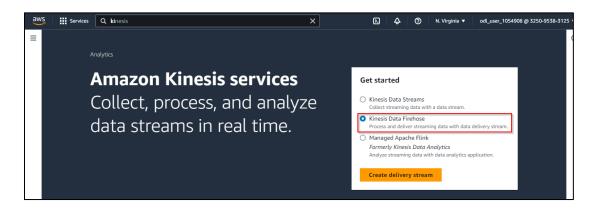
Step 1: Create a Kinesis Data Firehose

1.1 Navigate to the Amazon portal and search for and select Kinesis

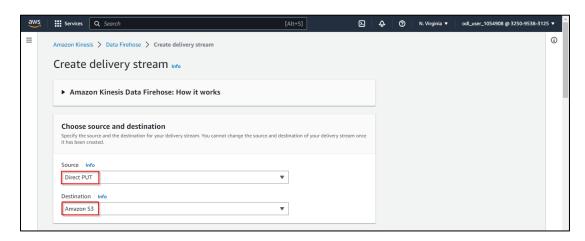




1.2 Select the Kinesis Data Firehose option and click Create delivery stream

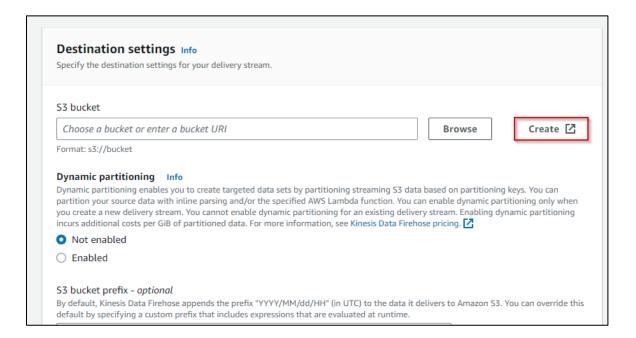


1.3 Choose **Direct PUT** as the source and **Amazon S3** as the destination





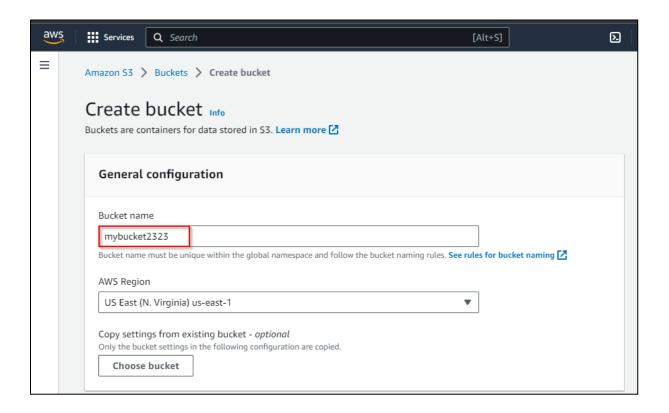
1.4 Click on the Create button to set up an S3 bucket





Step 2: Create an S3 bucket

2.1 Name the bucket **mybucket2323**





2.2 Scroll down and enable the Unblock all public access dialog box

	access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to
	that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that you
	tions will work correctly without public access. If you require some level of public access to this bucket or objects within, you can
custon	nize the individual settings below to suit your specific storage use cases. Learn more 🔀
☐ Bl	ock <i>all</i> public access
Tu	ming this setting on is the same as turning on all four settings below. Each of the following settings are independent of one anoth
	ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resour
	S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access
	using ACLs.
	Block public access to buckets and objects granted through any access control lists (ACLs)
	Block public access to buckets and objects granted through <i>any</i> access control lists (ACLs) S3 will ignore all ACLs that grant public access to buckets and objects.
	S3 will ignore all ACLs that grant public access to buckets and objects. Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change an
	S3 will ignore all ACLs that grant public access to buckets and objects. Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies
	S3 will ignore all ACLs that grant public access to buckets and objects. Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change a
	S3 will ignore all ACLs that grant public access to buckets and objects. Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change are existing policies that allow public access to S3 resources.

2.3 Check the acknowledgment box to confirm

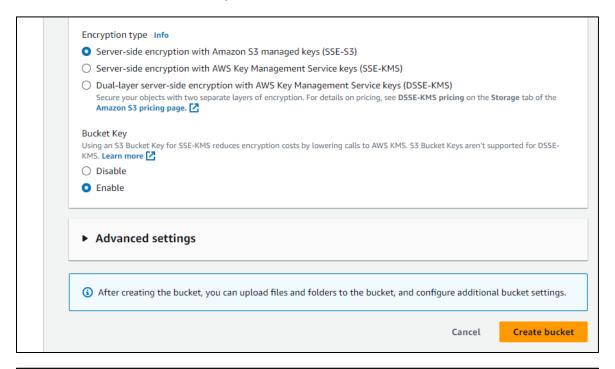


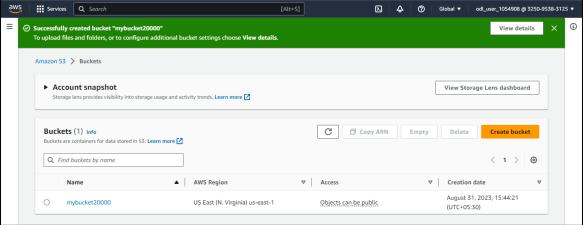
Turning off block all public access might result in this bucket and the objects within becoming public AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

acknowledge that the current settings might result in this bucket and the objects within becoming public.



2.4 Once the bucket creation is complete, click Create bucket

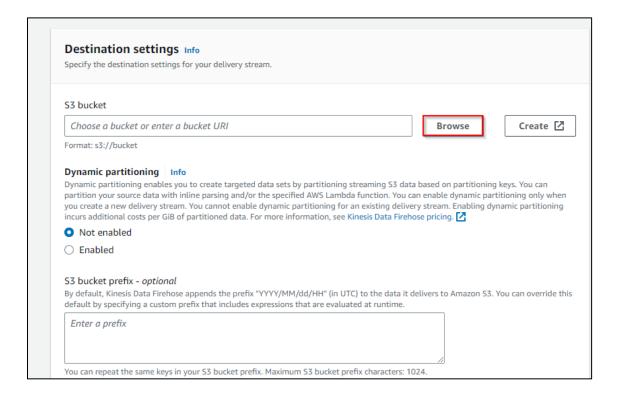




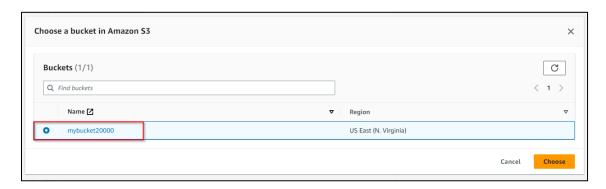
The bucket has been successfully created.



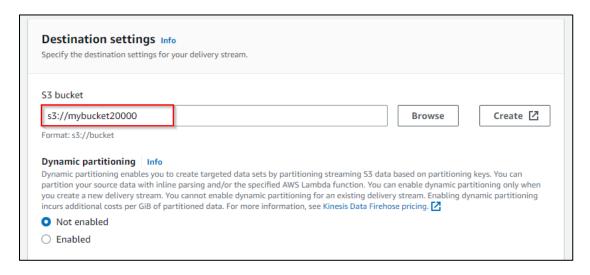
2.5 Now, navigate back to the Kinesis dashboard and click on the Browse button



2.6 Choose the bucket name and click Choose

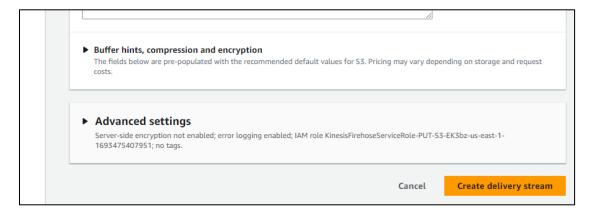


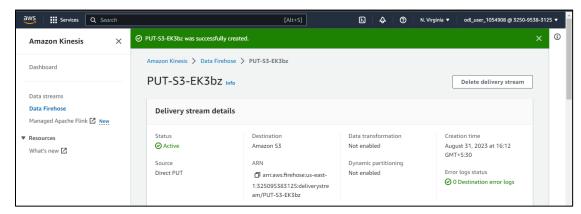




The S3 bucket has now been successfully added.

2.7 Click on the Create delivery stream button

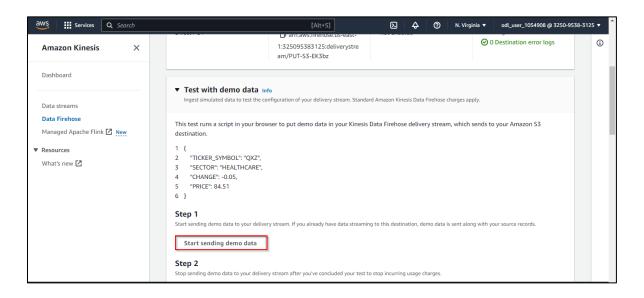


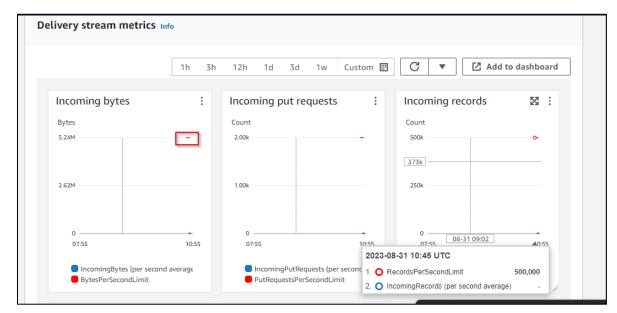


The Amazon Data Firehose has been successfully created.



2.8 Under Test with demo data, click Start sending demo data





The **Delivery stream metrics** information will appear here.

By following these steps, you have successfully established a data delivery stream from a source to an Amazon S3 bucket.