**What are S3 Event Notifications?**

* **S3 Event Notifications** are like alarms that go off when something specific happens to your files in S3.
* For example:
  + If someone **uploads** a new file to your S3 bucket.
  + If someone **deletes** a file.
  + If someone **copies** a file.

When these actions happen, S3 can **send a notification** to let you or another system know about it.

**What is Amazon EventBridge?**

* **Amazon EventBridge** is a service that helps you **connect different parts of your AWS applications**.
* Think of it as a **postman** that delivers messages (events) from one place to another.
* It can take events (like S3 notifications) and send them to other AWS services or even external apps.

**How do S3 Event Notifications and EventBridge work together?**

1. **Something happens in S3**: For example, a new file is uploaded to your S3 bucket.
2. **S3 sends an event**: S3 creates a notification (event) about this action.
3. **EventBridge gets the event**: The event is sent to **Amazon EventBridge**.
4. **EventBridge takes action**: EventBridge can then **trigger other services** based on the event. For example:
   * Send an email using **Amazon SNS**.
   * Start a workflow in **AWS Step Functions**.
   * Run a function in **AWS Lambda**.

**Why is this useful?**

* **Automation**: You can automate tasks without manually checking your S3 bucket. For example, if a new file is uploaded, you can automatically process it.
* **Real-time updates**: You get instant notifications when something changes in your S3 bucket.
* **Integration**: You can connect S3 with other AWS services to build powerful applications.

**Key Points to Remember:**

* **S3 Event Notifications** tell you when something happens in your S3 bucket.
* **Amazon EventBridge** is a messenger that takes those notifications and sends them to other services.
* Together, they help you **automate workflows** and **react to changes** in real-time.