Amazon Web Services

Event Notification with SQS Service

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Event Notification with SQS Service

- Amazon Simple Queue Service (SQS) is a fully managed message queuing service. Using SQS, we can send, store, and receive messages between software components at any volume, without losing messages or requiring other services to be available.

- Create Bucket

- Go to SQS Service

- Click on create queue

- Enter the name

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- Click on Create Queue
- Copy our ARN
- Go to Access policy tab
- Click on Edit
- Click on policy generator
- Select type as SQS Queue Policy

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- Enter * in principal
- Select All Actions or Send Messages
- Enter ARN
- Click on Add Statement
- Click on Generate Policy
- Copy the code & paste the code in the Access policy
- Click on Save

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- Create S3 Event Notification
- Go to our bucket
- Go to Properties tab
- Go to Event Notification
- Click on Create Event Notification
- Enter event name
- Go to Event types

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- Go to Destination
- Select SQS Queue
- Select our SQS Queue
- Click on Save Changes
- Upload the object & open the Object
- Go to SQS

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- Open our SQS
- Click on Send and receive messages
- Click on Poll for messages

Difference between SQS and SNS

- **SQS**: 1 send 1 receive, receive by polling, message can stay for long time (max 14 days) and process at leisure

- **SNS**: 1 send many receive, receive by pushing, message need to process immediately

- **Note**: If you need 1 to many, use SNS. If you need message stay in queue for long time, use SQS.

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