

LetsUpgrade AWS Advance Project-6

Day-11:

Task 1: Working with SNS

SS1: SNS Console

The screenshot shows the AWS SNS console with a green success message at the top: "Topic MyTopic created successfully. You can create subscriptions and send messages to them from this topic." The left sidebar shows "Topics" is selected. The main panel displays the "MyTopic" details, including Name (MyTopic), Display name (-), ARN (arn:aws:sns:us-east-1:255576724072:MyTopic), Topic owner (255576724072), and Type (Standard). Below the details are tabs for Subscriptions, Access policy, Delivery retry policy (HTTP/S), Delivery status logging, Encryption, Tags, and Activate Windows.

The screenshot shows the AWS SNS console with the "Subscriptions" tab selected for the "MyTopic" page. It displays three confirmed email subscriptions:

ID	Endpoint	Status	Protocol
085096d3-99ca-45ee-aa69-f08b62259da7	sujithabandi15@gmail.com	Confirmed	EMAIL
4372b6e2-c72f-443b-b66b-81e74ed45cad	gorlavishwanatham@gmail.com	Confirmed	EMAIL
ac71e9de-a27d-4106-acac-b069acc385c4	vishwanathvishu95@gmail.com	Confirmed	EMAIL

SS2: Your inbox with the Publish Message.

The screenshot shows the AWS SNS Publish message to topic interface. In the 'Message details' section, the Topic ARN is set to 'arn:aws:sns:us-east-1:255576724072:MyTopic'. The 'Subject - optional' field contains 'welcome to Advanced AWS Course'. The 'Time to Live (TTL) - optional' field is set to 45 seconds. In the 'Message body' section, the message structure is selected. The message body text area contains '1 Welcome you all to a session on Application service in AWS.....!@ Thank you'. At the bottom, there are sections for 'Message attributes' and a summary of the message being sent to the endpoint.

This screenshot shows the continuation of the AWS SNS Publish message to topic interface. The 'Message body' section is visible with the message '1 Welcome you all to a session on Application service in AWS.....!@ Thank you'. Below it, the 'Message attributes' section is expanded, showing two entries: 'Availability' with Type 'String' and Value 'yes', and another entry with Type 'Number' and Value '10'. The summary at the bottom indicates the message is being sent to the endpoint 'arn:aws:sns:us-east-1:255576724072:MyTopic'.

AWS Notification - Subscription Confirmation

mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgxwKjKvblbLHcPpstjHQsqrQnGX

Gmail Search mail

Inbox

Compose

Starred Snoozed Important Sent Drafts Categories Letsupgrade

Meet New meeting Join a meeting

Hangouts vishwanath

Type here to search

AWS Notifications <no-reply@sns.amazonaws.com> to me Mon, Nov 9, 6:25 PM (16 hours ago)

You have chosen to subscribe to the topic: arn:aws:sns:us-east-1:255576724072:MyTopic

To confirm this subscription, click or visit the link below (If this was in error no action is necessary): [Confirm subscription](#)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

Reply Forward

Activate Windows Go to Settings to activate Windows.

11:13 ENG 10-11-2020

welcome to Adavnced AWS Course

mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgxwKjKvblbLZxtgcVLxvtCILXGzg

Gmail Search mail

Inbox

Compose

Starred Snoozed Important Sent Drafts Categories Letsupgrade

Meet New meeting Join a meeting

Hangouts vishwanath

Type here to search

AWS Notifications <no-reply@sns.amazonaws.com> to me Mon, Nov 9, 6:28 PM (16 hours ago)

Welcome you all to a session on Application service in AWS.....!@ Thank you

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe: <https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:255576724072:MyTopic.ac71e9de-a27d-4106-acac-b069acc385c4&Endpoint=vishwanathvishu95@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Reply Forward

Activate Windows Go to Settings to activate Windows.

11:14 ENG 10-11-2020

Task 2: working with SQS

SS1: SQS Console:

The screenshot shows the AWS SQS console with the URL <https://console.aws.amazon.com/sqs/v2/home?region=us-east-1#queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F255576724072%2FMyQueue>. The page displays the 'MyQueue' configuration, including its name (MyQueue), type (Standard), ARN (arn:aws:sqs:us-east-1:255576724072:MyQueue), encryption status (Disabled), URL (<https://sq.us-east-1.amazonaws.com/255576724072/MyQueue>), and dead-letter queue status (Disabled). Below the main details, there are tabs for SNS subscriptions, Lambda triggers, Dead-letter queue, Monitoring, Tagging, Access policy, and Encryption. The 'SNS subscriptions' tab is selected, showing 0 subscriptions. A prominent orange button at the top right of this section says 'Subscribe to Amazon SNS topic'. The browser's address bar also shows the full URL.

The screenshot shows the 'Subscribe to Amazon SNS topic' dialog box. It has a header 'Amazon SNS topic' with a sub-instruction 'To allow your queue to receive messages from an Amazon SNS topic, subscribe it to an Amazon SNS topic.' Below this is a form field labeled 'Specify an Amazon SNS topic available for this queue.' containing the ARN 'arn:aws:sns:us-east-1:255576724072:MyTopic'. At the bottom of the dialog are 'Cancel' and 'Save' buttons. The background shows the same SQS interface as the previous screenshot. The browser's address bar shows the URL <https://console.aws.amazon.com/sqs/v2/home?region=us-east-1#queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F255576724072%2FMyQueue/subscribe-to...>.

SS2: Poll for Messages and Display Message Window:

The screenshot shows the AWS SNS console for publishing a message to a topic. The Topic ARN is listed as `arn:aws:sns:us-east-1:255576724072:MyTopic`. The **Subject - optional** field contains `Lab-template`. The **Time to Live (TTL) - optional** field is empty. The **Message body** section shows the message structure as **Identical payload for all delivery protocols**, with the message body set to `1 Please find the attached lab-template.....!@@`. The browser status bar at the bottom indicates it's a Windows 10 system.

The screenshot shows the AWS SQS console for a queue named `MyQueue`. The poll duration is set to 0 seconds. The **Receive messages** section shows 2 messages available, with a maximum message count of 10. The **Messages** table lists two messages with IDs `809c2406-1719-469d-870b-5cfea1d7c9c` and `1a5ddf5c-b5b9-41ef-b229-cb2d5f1a9a8d`, both sent on 11/10/2020. The browser status bar at the bottom indicates it's a Windows 10 system.

Lab-template - vishwanathvishu5 SES Management Console mail.google.com

Gmail Search mail

Inbox Compose

AWS Notifications <no-reply@sns.amazonaws.com> to me 10:50 AM (24 minutes ago)

Please find the attached lab-template.....!@@

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe: <https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:255576724072:MyTopic:ac71e9de-a27d-4106-acac-b069acc385c4&Endpoint=vishwanathvishu95@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Reply Forward

Untitled2.html

Type here to search

Go to Settings to activate Windows Show all

11:15 ENG 10-11-2020

The screenshot shows a Gmail inbox with several messages. One message is from 'AWS Notifications' with the subject 'Lab-template'. The message body contains a link to unsubscribe and a note to not reply directly. The inbox has a blue header and sidebar, and the message card has a white background with black text.

Vishwanath - vishwanathvishu5 SES Management Console mail.google.com

Gmail Search mail

Inbox Compose

AWS Notifications <no-reply@sns.amazonaws.com> to me 11:02 AM (13 minutes ago)

hai Vishwanath vishu good morning!!!!@@@@#@#@@

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe: <https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:255576724072:MyTopic:ac71e9de-a27d-4106-acac-b069acc385c4&Endpoint=vishwanathvishu95@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Reply Forward

Untitled2.html

Type here to search

Go to Settings to activate Windows Show all

11:15 ENG 10-11-2020

This screenshot is identical to the one above, showing the same AWS notification email in the inbox. The message content and layout are the same, including the unsubscribe link and the note to not reply directly.

Task 3: Working With SES

SS1: Inbox Mail Verification:

The screenshot shows the AWS SES Management Console interface. On the left, a sidebar lists various SES services: Identity Management, Domains, Email Addresses (which is selected), Email Sending, Sending Statistics, Reputation Dashboard, Dedicated IPs, Configuration Sets, SMTP Settings, Suppression List Removal, Cross-Account Notifications, Email Templates, Email Receiving, Rule Sets, and IP Address Filters. The main content area is titled "Verify a New Email Address" and displays a table of "Email Address Identities". The table has columns for "Email Address Identities" and "Verification Status". Three entries are listed: "gorlavishwanath@gmail.com" (verified), "sujithabandi15@gmail.com" (verified), and "vishwanathvishu95@gmail.com" (verified). A search bar at the top of the table says "Search email addresses" and a dropdown says "All identities". At the bottom right of the main window, there are links for "Activate Windows" and "Go to Settings to activate Windows". The status bar at the bottom of the screen shows "Feedback English (US)", "Type here to search", and system information like "11:27 ENG 10-11-2020".

The screenshot shows a Gmail inbox. On the left, the sidebar includes "Compose", "Inbox" (with 5 messages), "Starred", "Snoozed", "Important", "Sent", "Drafts" (with 29 messages), "Categories", "Letsupgrade", "Meet", "New meeting", "Join a meeting", "Hangouts", and "vishwanath". The main area shows an email from "Amazon Web Services <no-reply-aws@amazon.com>" with the subject "Amazon Web Services – Email Address Verification Request in region US East (N. Virginia)". The email body contains the following text:

Dear Amazon Web Services Customer,

We have received a request to authorize this email address for use with Amazon SES and Amazon Pinpoint in region US East (N. Virginia). If you requested this verification, please go to the following URL to confirm that you are authorized to use this email address:

https://email-verification.us-east-1.amazonaws.com/?Context=255576724072&X-Amz-Date=20201110T055255Z&Identity.IdentityName=vishwanathvishu95%40gmail.com&X-Amz-Algorithm=AWS4-HMAC-SHA256&Identity.IdentityType=EmailAddress&X-Amz-SignedHeaders=host&X-Amz-Credential=AKIAJR7UVJEP5GNMLX6A%2F20201110%2Fus-east-1%2Faws%2Faws4_request&Operation=ConfirmVerification&Namespace=Bacon&X-Amz-Signature=a073fe9690e2a3e0e3e02cc0a1#343753cb2467b690df7b09c07c1b7609b1c

Your request will not be processed unless you confirm the address using this URL. This link expires 24 hours after your original verification request.

If you did NOT request to verify this email address, do not click on the link. Please note that many times, the situation isn't a phishing attempt, but either a misunderstanding of how to use our service, or someone setting up email-sending capabilities on your behalf as part of a legitimate service, but without having fully communicated the procedure first. If you are still concerned, please forward this notification to aws-email-domain-verification@amazon.com and let us know in the forward that you did not request the verification.

To learn more about sending email from Amazon Web Services, please refer to the Amazon SES Developer Guide at <http://docs.aws.amazon.com/ses/latest/DeveloperGuide>Welcome.html> and Amazon Pinpoint Developer Guide at <http://docs.aws.amazon.com/pinpoint/latest/userguide/welcome.html>.

The status bar at the bottom of the screen shows "Waiting for contacts.google.com...", "Type here to search", and system information like "11:24 ENG 10-11-2020".

Task 4: Triggering CLOUDWATCH Event SNS Notification.

SS1: EC2 Console

The screenshot shows the AWS EC2 Management Console. On the left, there's a navigation sidebar with links like EC2 Dashboard, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations), Images (AMIs), and Feedback. The main area is titled 'Instances (1/1) Info' and shows a table with one row for 'MyEC2Server'. The table columns include Name, Instance ID, Instance state, Instance type, Status check, Alarm Status, and Availability zone. Below the table, there's a detailed view for 'Instance: i-0f45780601ac94bf2 (MyEC2Server)' with tabs for Details, Security, Networking, Storage, Status Checks, Monitoring, and Tags. Under the Details tab, the 'Instance summary' section provides information such as Public IPv4 address (3.87.249.160), Private IPv4 address (172.31.43.168), Instance state (Running), Public IPv4 DNS (ec2-3-87-249-160.compute-1.amazonaws.com), Private IPv4 DNS (ip-172-31-43-168.ec2.internal), Instance type (t2.micro), and VPC ID (Activate Windows). At the bottom right of the main window, there are links for Privacy Policy and Terms of Use, along with a copyright notice from 2008-2020.

SS2: Rule Configuration

The screenshot shows the AWS CloudWatch Management Console. The left sidebar includes links for CloudWatch, Dashboards, Alarms, ALARM, INSUFFICIENT, OK, Billing, Logs, Log groups, Insights, Metrics, Explorer (BETA), Events, Rules (selected), Event Buses, Service Map, Traces, Container Insights (NEW), Resources, Performance Monitoring, and Lambda Insights (NEW). The main area is titled 'Step 1: Create rule' and has two main sections: 'Event Source' and 'Targets'. In the 'Event Source' section, it says 'Create rules to invoke Targets based on Events happening in your AWS environment.' It includes a 'Event Pattern' section with options for 'Event Pattern' (selected) and 'Schedule', and a 'Build event pattern to match events by service' dropdown set to 'EC2'. Below this are sections for 'Any state' and 'Any instance'. In the 'Targets' section, it says 'Select Target to invoke when an event matches your Event Pattern or when schedule is triggered.' It shows an 'SNS topic' dropdown set to 'MyServerMonitor' and a 'Configure input' section with 'Matched event' selected. There are also options for 'Part of the matched event', 'Constant (JSON text)', and 'Input Transformer'. At the bottom right, there are links for 'Privacy Policy' and 'Terms of Use', along with a copyright notice from 2008-2020.

CloudWatch Management Console × Inbox (6) - vishwanathvishu95@... × https://sns.us-east-1.amazonaws.com/...

console.aws.amazon.com/cloudwatch/home?region=us-east-1#rules:view=details&action=create

AWS Services ▾

CloudWatch
Dashboards
Alarms
ALARM
INSUFFICIENT
OK
Billing
Logs
Log groups
Insights
Metrics
Explorer BETA
Events
Rules
Event Buses
ServiceLens
Service Map
Traces
Container Insights NEW
Resources
Performance Monitoring
Lambda Insights NEW

Step 2: Configure rule details

Rule definition

Name* MyEC2ChangeEvent

Description MyEC2ChangeEvent

State Enabled

CloudWatch Events will add necessary permissions for target(s) so they can be invoked when this rule is triggered.

* Required

Cancel Back Create rule Create rule

Activate Windows
Go to Settings to activate Windows.

Feedback English (US) ▾

Type here to search

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Privacy Policy Terms of Use

12:33 10-11-2020

CloudWatch Events is now Amazon EventBridge

Amazon EventBridge (formerly CloudWatch Events) provides all functionality from CloudWatch Events and also launched new features such as Custom event buses, 3rd party event sources and Schema registry to better support our customers in the space of event-driven architecture and applications.

[Amazon EventBridge documentation](#)

Rules

Rules route events from your AWS resources for processing by selected targets. You can create, edit, and delete rules.

[Create rule](#) [Actions ▾](#)

Status	All	Name	Description
●	●	MyEC2ChangeEvent	MyEC2ChangeEvent

Viewing 1 to 1 of 1 Rules

Activate Windows
Go to Settings to activate Windows.

SS3: SNS Topic

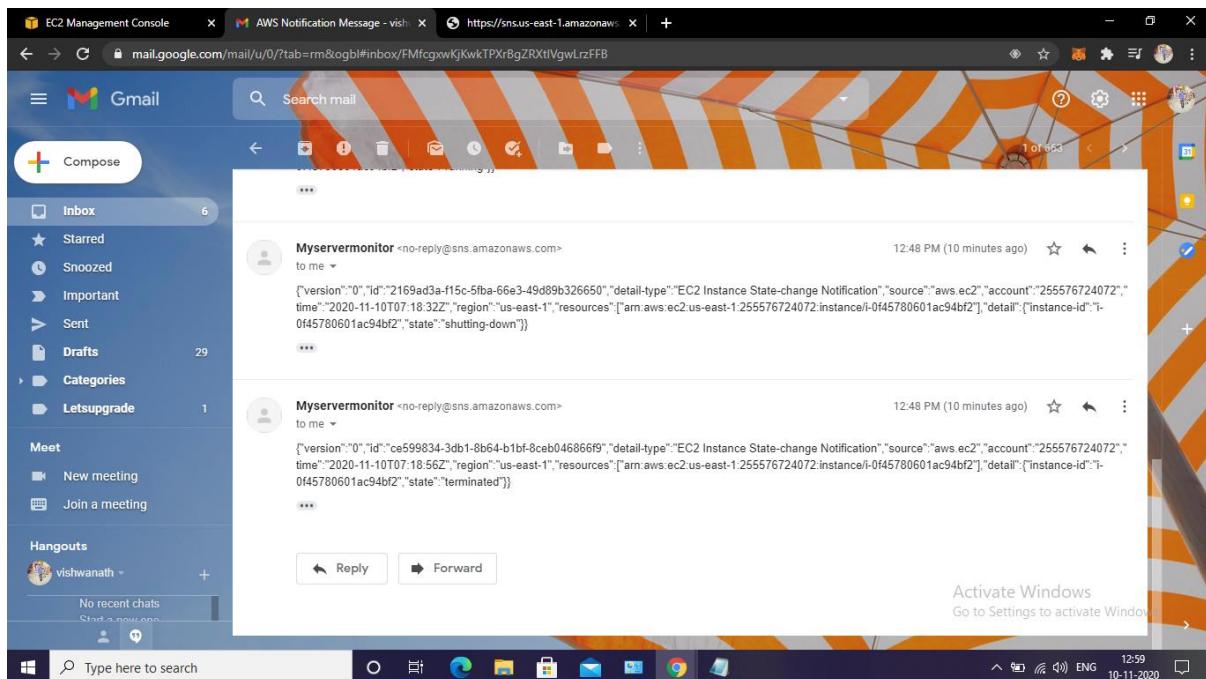
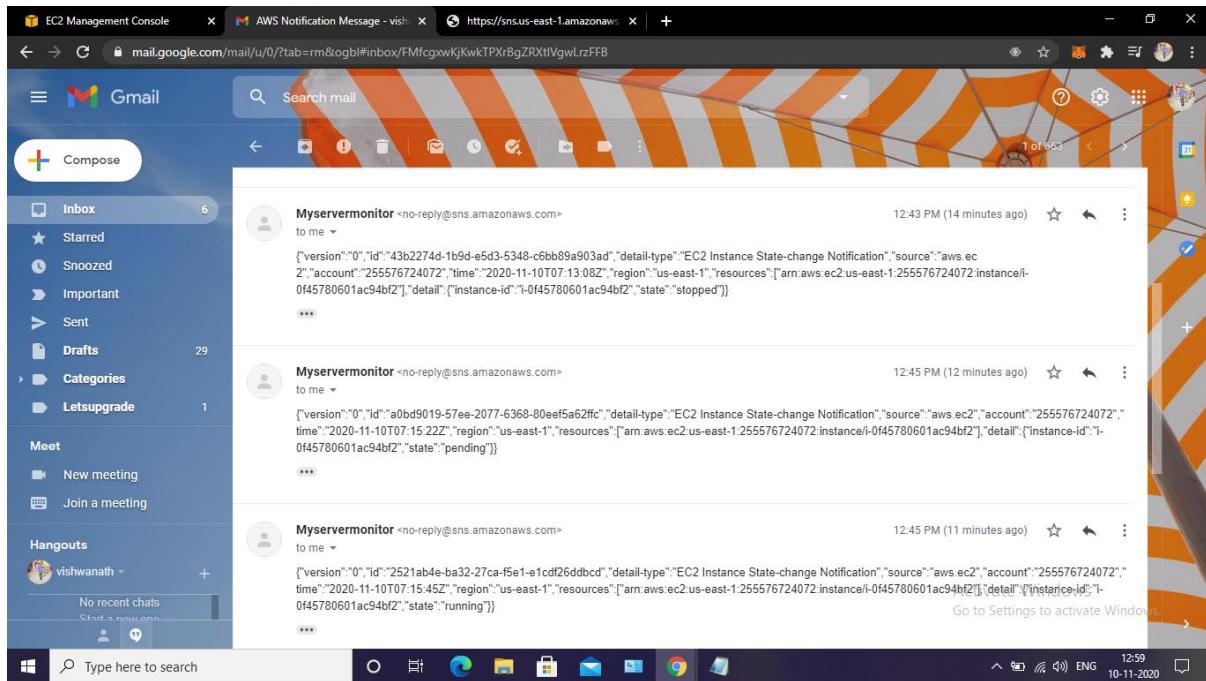
The screenshot shows the AWS Simple Notification Service (SNS) Subscriptions page. The left sidebar includes links for Dashboard, Topics, and Subscriptions. Under Subscriptions, there are sections for Mobile (Push notifications and Text messaging (SMS)). The main content area displays a table titled "Subscriptions (7)" with columns for ID, Endpoint, Status, Protocol, and Topic. All entries are marked as "Confirmed". The table rows are as follows:

ID	Endpoint	Status	Protocol	Topic
be9f8e4c-b6d8-4e38-864b-ef590641731b	sujithabandi15@gmail.com	Confirmed	EMAIL	MyServerMonitor
4372b6e2-c72f-443b-b66b-81e74ed45cad	gorlavishwanatham@gmail.com	Confirmed	EMAIL	MyTopic
ac71e9de-a27d-4106-acac-b069acc385c4	vishwanathvishu95@gmail.com	Confirmed	EMAIL	MyTopic
b3dafacd-0175-4e1f-969e-2c4c1f0d792f	gorlavishwanatham@gmail.com	Confirmed	EMAIL	MyServerMonitor
085096d3-99ca-45ee-aa69-f08b82259da7	sujithabandi15@gmail.com	Confirmed	EMAIL	MyTopic
3fb22022-7c62-4423-8f9b-e4a6b158ce55	vishwanathvishu95@gmail.com	Confirmed	EMAIL	MyServerMonitor
ebf84e5-21f7-42e7-8113-02e95cc734d	arn:aws:sqs:us-east-1:255576724072:MyQueue	Confirmed	SQS	MyTopic

SS4: State Change event notification in Your Mail Box

The screenshot shows a Gmail inbox with an incoming email from "no-reply@sns.amazonaws.com" with the subject "AWS Notification - Subscription Confirmation". The email body contains the following text:

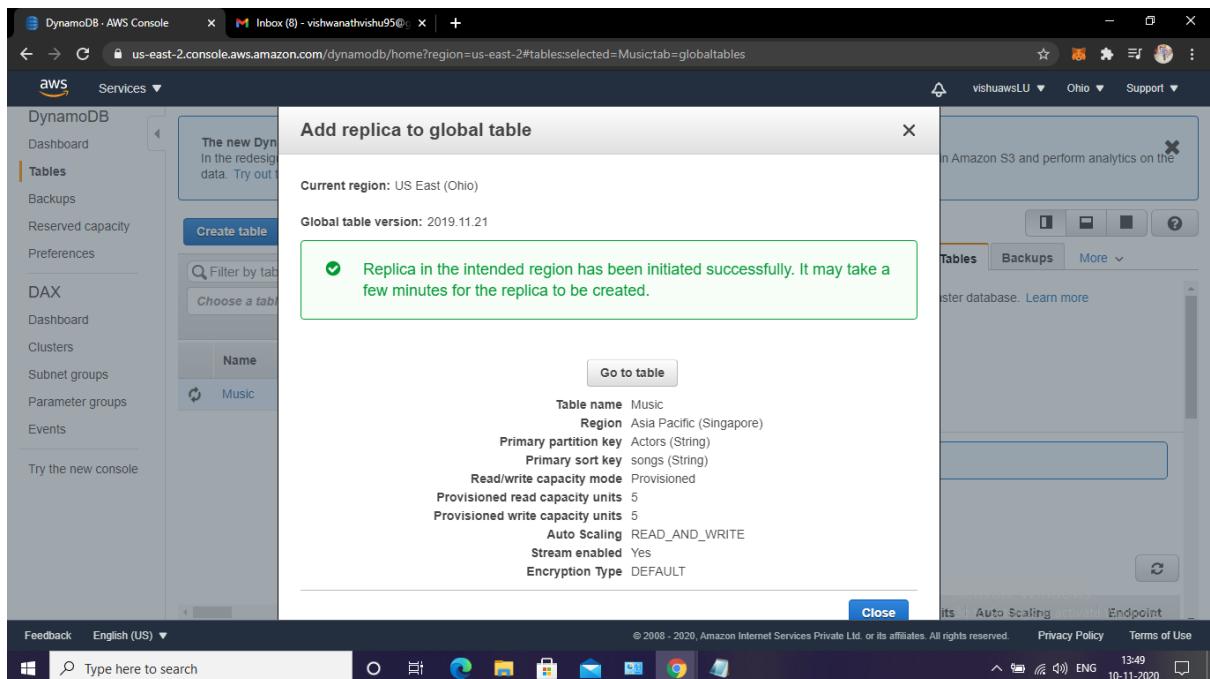
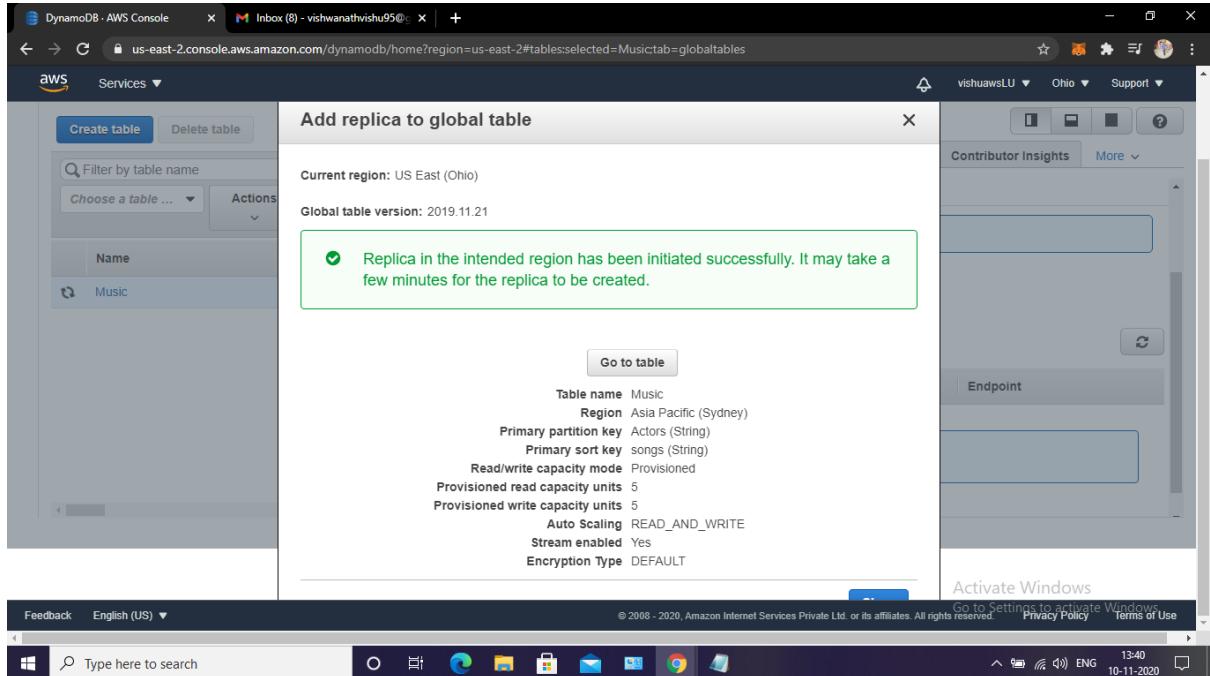
You have chosen to subscribe to the topic:
arn:aws:sns:us-east-1:255576724072:MyServerMonitor
To confirm this subscription, click or visit the link below (if this was in error no action is necessary):
[Confirm subscription](#)
Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)



Day-12:

Task 1: Create a Dynamo DB table with minimum two disaster recovery zones and verify Replication.

SS1: Disaster recovery regions with table.



The screenshot shows the AWS DynamoDB console with the 'Global Tables' tab selected for the 'Music' table. The left sidebar lists 'DynamoDB' services like Dashboard, Tables, Backups, Reserved capacity, Preferences, DAX, and Try the new console. The main area displays the 'Global Table regions' section, which includes a table with three entries:

Region Name	Status	Read capacity units	Write capacity units	Auto Scaling	Endpoint
Asia Pacific (Singapore)	Active	5	5	READ_AND_WRITE	dynamodb.ap-s
Asia Pacific (Sydney)	Active	5	5	READ_AND_WRITE	dynamodb.ap-s
US East (Ohio)	Active	5	5	READ_AND_WRITE	dynamodb.us-e

At the bottom, there are links to 'Activate Windows' and 'Go to Settings to activate Windows.'

SS2: Home Regions with all Items Displayed

The screenshot shows the AWS DynamoDB console with the 'Items' tab selected for the 'Music' table. The left sidebar is identical to the previous screenshot. The main area displays the 'Scan' results for the 'Music' table, specifically for the 'Actors' and 'songs' attributes. The results are as follows:

Actors	songs
rajini	muthu
rajini	robo
chiranjeevi	green
ramcharan	dhruba
prabhas	mirchi
vikram	red

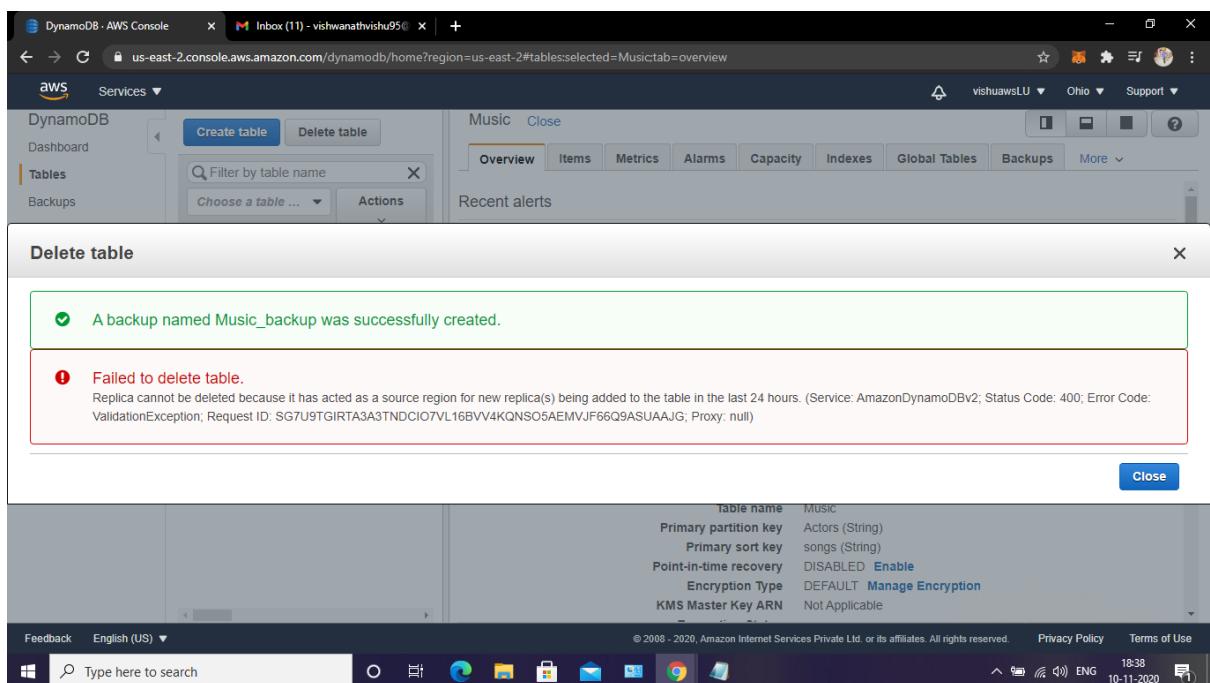
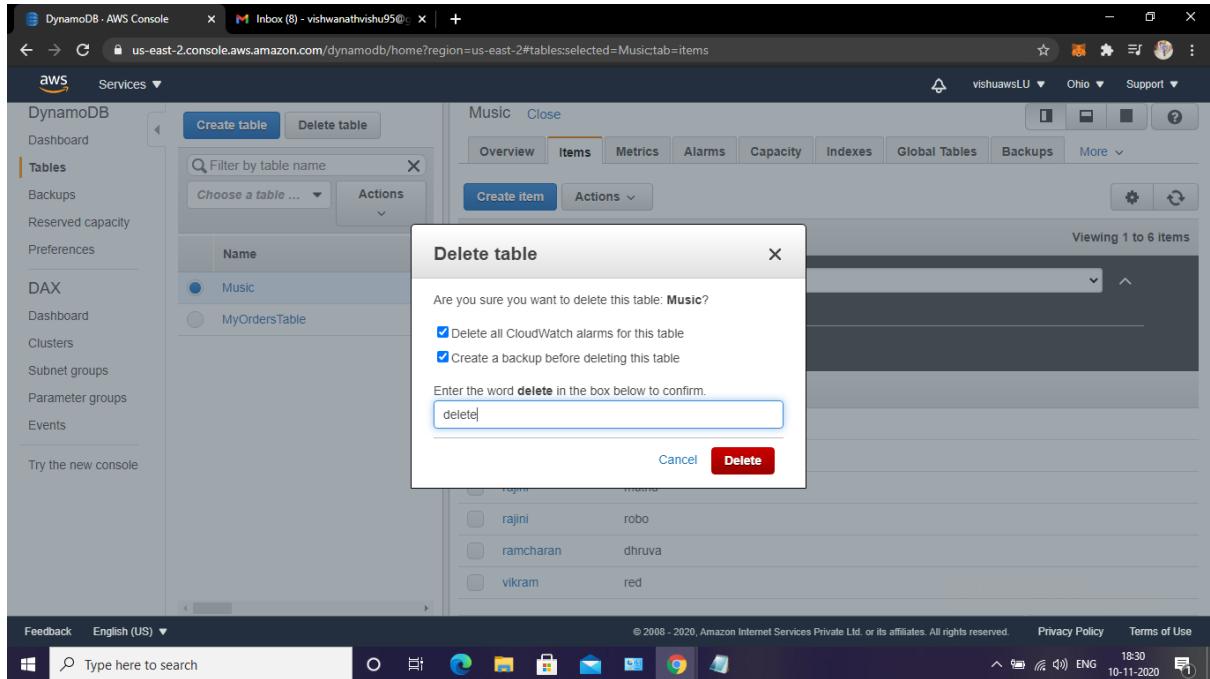
At the bottom, there are links to 'Activate Windows' and 'Go to Settings to activate Windows.'

SS3: Use Query to Fetch few items.

The screenshot shows the AWS DynamoDB console interface. On the left, the navigation menu is visible with options like 'Create table', 'Delete table', 'Tables', 'DAX', and 'Try the new console'. The main area displays the 'Music' table details. The 'Items' tab is selected, showing a query configuration for '[Table] Music: Actors, songs'. The query parameters are set to 'Partition key' as 'Actors' and 'Sort key' as 'songs', both with the value 'rajini'. The results show two items: 'rajini' with 'muthu' and 'rajini' with 'robo'. The status bar at the bottom indicates 'Viewing 1 to 2 items'.

This screenshot is identical to the one above, showing the AWS DynamoDB console with the 'Music' table. The 'Items' tab is selected, and a query for '[Table] Music: Actors, songs' is run with 'Partition key' set to 'Actors' and 'Sort key' set to 'songs', both with the value 'rajini'. The results show two items: 'rajini' with 'muthu' and 'rajini' with 'robo'. The status bar at the bottom indicates 'Viewing 1 to 2 items'.

SS4: Deletion and Verification



Task 2: Creating a Dynamo DB table with Secondary Indexes and Fetching data using Global Indexes.

SS1: Table with its Items Displayed

The screenshot shows the AWS DynamoDB console with the 'MyOrdersTable' table selected. The 'Items' tab is active, displaying a list of 5 items. Each item has a checkbox, a blue square icon, and columns for Username, OrderID, ReturnDate, and UserAmount. The items are:

	Username	OrderID	ReturnDate	UserAmount
1	Harry Potter	1234567895	20190304	345.45
2	Harry Potter	3456789123	20190708	180.30
3	ironman	1236549876	20190706	444.75
4	ram	7894561238	20190506	555.56
5	vishu	4569873217	20190809	650.48

SS2: Creating a Global Secondary Index

The screenshot shows the AWS DynamoDB console with the 'MyOrdersTable' table selected. The 'Indexes' tab is active, showing a single index named 'ReturnDate-UserAmount'. The index is listed in the table below:

Name	Status	Type	Partition key	Sort key	Attributes	Read capacity
ReturnDate-UserAmount	Active	GSI	ReturnDate (String)	UserAmount (String)	ALL	5

SS3: Scan with Global Secondary Index

The screenshot shows the AWS DynamoDB console interface. On the left, the navigation pane is visible with options like 'Create table', 'Delete table', 'Tables' (selected), 'Backups', 'Reserved capacity', 'Preferences', 'DAX', 'Dashboard', 'Clusters', 'Subnet groups', 'Parameter groups', 'Events', and 'Try the new console'. The main area is titled 'MyOrdersTable' and shows the 'Items' tab selected. A search bar at the top says 'Scan: [Table] MyOrdersTable: Username, OrderID'. Below it, a filter section is set to 'ReturnDate' (String, Between, 20190304 And 20190506). The results table displays two items:

Username	OrderID	ReturnDate	UserAmount
Harry Potter	1234567895	20190304	345.45
ram	7894561238	20190506	555.56

At the bottom of the window, there is a message: 'Activate Windows Go to Settings to activate Windows.'

This screenshot shows the same AWS DynamoDB console setup as the previous one. The 'Items' tab is still selected. A search bar at the top says 'Query: [Table] MyOrdersTable: Username, OrderID'. Below it, a query configuration panel is open, showing a 'Partition key' set to 'Username = Harry Potter' and a 'Sort key' set to 'OrderID = Enter value'. The results table shows the same two items as the previous screenshot.

Username	OrderID	ReturnDate	UserAmount
Harry Potter	1234567895	20190304	345.45
Harry Potter	3456789123	20190708	180.30

At the bottom of the window, there is a message: 'Activate Windows Go to Settings to activate Windows.'

Task 3: Deploying a Python Application in Elastic Beanstalk

SS1: Application Page

The screenshot shows the AWS Elastic Beanstalk Management Console with the URL <https://us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/gettingStarted>. The left sidebar has 'Applications' selected. The main area is titled 'Create a web app' with the sub-section 'Application information'. It shows an 'Application name' field containing 'Letsupgrade-PythonApp' with a note: 'Up to 100 Unicode characters, not including forward slash (/)'. Below it is the 'Application tags' section, which is currently empty. At the bottom right of the main area, there are buttons for 'Activate Windows' and 'Go to Settings to activate Windows'. The browser's address bar shows the same URL. The taskbar at the bottom includes icons for File Explorer, Edge, File, Mail, Photos, and Task View.

The screenshot shows the AWS Elastic Beanstalk Management Console with the URL <https://us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/gettingStarted>. The left sidebar has 'Applications' selected. The main area is titled 'Platform' and contains three dropdown menus: 'Platform' set to 'Python', 'Platform branch' set to 'Python 3.7 running on 64bit Amazon Linux 2', and 'Platform version' set to '3.1.2 (Recommended)'. Below the platform section is the 'Application code' section, which offers two options: 'Sample application' (selected) and 'Upload your code'. At the bottom right of the main area, there are buttons for 'Cancel', 'Configure more options', 'Create application', and 'Activate Windows'. The browser's address bar shows the same URL. The taskbar at the bottom includes icons for File Explorer, Edge, File, Mail, Photos, and Task View.

Screenshot of the AWS Elastic Beanstalk 'Create environment' wizard - Step 1: Application information.

Create a web server environment

Launch an environment with a sample application or your own code. By creating an environment, you allow AWS Elastic Beanstalk to manage AWS resources and permissions on your behalf. [Learn more](#)

Application information

Application name: Letsupgrade-PythonApp

Up to 100 Unicode characters, not including forward slash (/).

Application tags (optional)

Environment information

Choose the name, subdomain, and description for your environment. These cannot be changed later.

Environment name: LetsupgradePythonapp-env

Activate Windows
Go to Settings to activate Windows.

Feedback English (US) ▾ Type here to search Privacy Policy 12 November 2020 Thursday 11:29 12-11-2020

Screenshot of the AWS Elastic Beanstalk 'Create environment' wizard - Step 1: Application information (continued).

Environment information

Choose the name, subdomain, and description for your environment. These cannot be changed later.

Environment name: LetsupgradePythonapp-env-1

Domain: reddomain1234.us-east-2.elasticbeanstalk.com

Check availability

reddomain1234.us-east-2.elasticbeanstalk.com is available.

Description: This is to show deploying application by uploading source code

Platform

Activate Windows
Go to Settings to activate Windows.

Feedback English (US) ▾ Type here to search Privacy Policy Terms of Use 11:30 12-11-2020

The screenshot shows the 'Platform' configuration step of the AWS Elastic Beanstalk 'Create environment' wizard. On the left sidebar, under 'Recent environments', there is a entry for 'LetsupgradePythonapp-env'. The main area is titled 'Platform' and contains two options: 'Managed platform' (selected) and 'Custom platform'. Under 'Managed platform', it says 'Platforms published and maintained by AWS Elastic Beanstalk. Learn more'. Below this, there are dropdown menus for 'Platform' (set to 'Python'), 'Platform branch' (set to 'Python 3.7 running on 64bit Amazon Linux 2'), and 'Platform version' (set to '3.1.3 (Recommended)').

The screenshot shows the 'Application code' configuration step of the AWS Elastic Beanstalk 'Create environment' wizard. The left sidebar shows the same recent environment entry. The main area has a heading 'Application versions that you have uploaded for Letsupgrade-PythonApp.' and a dropdown menu 'Choose a version'. Below this, there is a section for uploading code: 'Upload your code' (selected), 'Version label' (set to 'letsupgrade-pythonapp-source-1'), 'Source code origin' (set to 'Local file'), and a 'Choose file' button which shows 'File name : python.zip' and 'File successfully uploaded'. At the bottom right are 'Cancel', 'Configure more options', and a prominent orange 'Create environment' button.

SS2: Environment List Page

The screenshot shows the AWS Elastic Beanstalk Environments list page. The left sidebar has 'Environments' selected. The main area title is 'All environments'. It shows two environments: 'LetsupgradePythonapp-env' and 'LetsupgradePythonapp-env-1'. Both environments are in 'Ok' status. The table columns are: Environment name, Health, Application name, Date created, Last modified, URL, and Running version.

Environment name	Health	Application name	Date created	Last modified	URL	Running version
LetsupgradePythonapp-env	Ok	Letsupgrade-PythonApp	2020-11-10 19:32:45 UTC+0530	2020-11-10 19:36:07 UTC+0530	LetsupgradePythonapp-env.eba-qp5fhm3e.us-east-2.elasticbeanstalk.com	Sample Application
LetsupgradePythonapp-env-1	Ok	Letsupgrade-PythonApp	2020-11-12 11:32:04 UTC+0530	2020-11-12 11:34:40 UTC+0530	reddomain1234.us-east-2.elasticbeanstalk.com	letsupgrade python source

The screenshot shows the AWS Elastic Beanstalk Applications list page. The left sidebar has 'Applications' selected. The main area title is 'All applications'. It shows one application: 'Letsupgrade-PythonApp'. This application is associated with two environments: 'LetsupgradePythonapp-env' and 'LetsupgradePythonapp-env-1'. The table columns are: Application name, Environments, Date created, Last modified, and ARN.

Application name	Environments	Date created	Last modified	ARN
Letsupgrade-PythonApp	LetsupgradePythonapp-env LetsupgradePythonapp-env-1	2020-11-10 19:32:36 UTC+0530	2020-11-10 19:32:36 UTC+0530	arn:aws:elasticbeanstalk:us-east-2:255576724072:application/Letsupgrade-PythonApp

SS3: Environment Health Status Page

If you're using a custom instance profile, your environment might be impacted and might need a configuration update. To learn more, see Enhanced health authorization in the AWS Elastic Beanstalk Developer Guide.

LetsupgradePythonapp-env
letsupgradePythonapp-env.eba-qp3fhm3e.us-east-2.elasticbeanstalk.com (e-u4d2ygkqx) Application name: Letsupgrade-PythonApp

Health	Running version	Platform
Ok	Sample Application Upload and deploy	Python 3.7 running on 64bit Amazon Linux 2/3.1.2 Change

Recent events

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If you're using a custom instance profile, your environment might be impacted and might need a configuration update. To learn more, see Enhanced health authorization in the AWS Elastic Beanstalk Developer Guide.

LetsupgradePythonapp-env-1
reddomain1234.us-east-2.elasticbeanstalk.com (e-yxduxepnny) Application name: Letsupgrade-PythonApp

Health	Running version	Platform
Ok	letsupgrade-pythonapp-source-1 Upload and deploy	Python 3.7 running on 64bit Amazon Linux 2/3.1.3 Change

Recent events

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SS4: Webpage launched using the Elastic beanstalk Env.

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with options like New EC2 Experience, EC2 Dashboard, Events, Tags, Limits, Instances (with Instances selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations. The main area displays a table titled 'Instances (1/1)'. It shows one instance named 'LetsupgradePythonapp-env' with Instance ID 'i-07d6e4ce5cc673d15', which is 'Running' on an 't2.micro' instance type. A status check shows '2/2 checks ...' and no alarms. Below the table, a detailed view for 'Instance: i-07d6e4ce5cc673d15 (LetsupgradePythonapp-env)' is shown, with tabs for Details, Security, Networking, Storage, Status Checks, Monitoring, and Tags. Under 'Details', it shows the Instance ID, Public IPv4 address (3.15.6.163), and Private IPv4 addresses (172.31.14.85). The bottom of the screen shows a Windows taskbar with various icons and a search bar.

The screenshot shows the AWS Elastic Beanstalk Create environment page. On the left, there's a sidebar with options like Environments, Applications, and environments like Letsupgrade-PythonApp and LetsupgradePythonapp-env-1. The main area shows a progress message: 'Creating LetsupgradePythonapp-env-1 This will take a few minutes.' Below this, a log window displays the following output:

```
11:32am Created Auto Scaling launch configuration named: awseb-e-ydxeppny-stack-AWSEBAutoScalingLaunchConfiguration-NWRRYDBW7HMV
11:32am Created security group named: awseb-e-ydxeppny-stack-AWSEBESecurityGroup-U060JPVMXN1
11:32am Environment health has transitioned to Pending. Initialization in progress (running for 19 seconds). There are no instances.
11:32am Created security group named: sg-0536ddfd31c394c16
11:32am Created target group named: arn:aws:elasticloadbalancing:us-east-2:255576724072:targetgroup/awseb-AWSEB-OBU08W76CGVK/95d3cae70ca100cf
11:32am Using elasticbeanstalk-us-east-2-255576724072 as Amazon S3 storage bucket for environment data.
11:32am createEnvironment is starting.
```

The bottom of the screen shows a Windows taskbar with various icons and a search bar.

Elastic Beanstalk

Create environment

Inbox (5) - vishwanathvishu95@...

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/launchEnvironment?applicationName=Letsupgrade-PythonApp&environmentId=e-yxdu...

Services

aws

Environments

Applications

Letsupgrade-PythonApp

- Application versions
- Saved configurations

LetsupgradePythonapp-env-1

Recent environments

- LetsupgradePythonapp-env

Elastic Beanstalk > Environments > LetsupgradePythonapp-env-1

Creating LetsupgradePythonapp-env-1
This will take a few minutes.

11:33am Created Load Balancer listener named:
arn:aws:elasticloadbalancing:us-east-2:255576724072:listener/app/awseb-AWSEB-OINB0UE2KIV1/ddcc17a2fd7dc8d8/b6ca2e43426f389

11:33am Created load balancer named:
arn:aws:elasticloadbalancing:us-east-2:255576724072:loadbalancer/app/awseb-AWSEB-OINB0UE2KIV1/ddcc17a2fd7dc8d8

11:33am Created CloudWatch alarm named:
awseb-e-yxduxeppny-stack-AWSEBCloudwatchAlarmLow-OY57XFK0A27P

11:33am Created CloudWatch alarm named:
awseb-e-yxduxeppny-stack-AWSEBCloudwatchAlarmHigh-ESJL5V2DN4A9

11:33am Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-2:255576724072:scalingPolicy:393e7ce6-16fb-4ac7-b23-d3590e9a1018:autoScalingGroupName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGG5B;policyName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGG5B

11:33am Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-2:255576724072:scalingPolicy:c30ddc9-9eb6-4395-b49e-f35e842655eb:autoScalingGroupName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGG5B;policyName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingScaleUpPolicy-Q10230NZZNW8

11:33am Waiting for EC2 instances to launch. This may take a few minutes.

11:33am Created Auto Scaling group named:
awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGG5B

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Elastic Beanstalk

Environments Applications

Letsupgrade-PythonApp Application versions Saved configurations

LetsupgradePythonapp-env-1

Recent environments LetsupgradePythonapp-env

Elastic Beanstalk Environments LetsupgradePythonapp-env-1

Creating LetsupgradePythonapp-env-1
This will take a few minutes.

11:34am Instance deployment completed successfully.
11:34am Instance deployment successfully generated a 'Profile'.
11:33am Created Load Balancer listener named:
arn:aws:elasticloadbalancing:us-east-2:255576724072:listener/app/awseb-AWSEB-OINB0UE2KIV1/ddcc17a2fd7dc8d8/b6b6ca2e43426f389
11:33am Created load balancer named:
arn:aws:elasticloadbalancing:us-east-2:255576724072:loadbalancer/app/awseb-AWSEB-OINB0UE2KIV1/ddcc17a2fd7dc8d8
11:33am Created CloudWatch alarm named:
awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroupLow-OY57XFKA0Z7P
11:33am Created CloudWatch alarm named:
awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroupHigh-EJSL5V2DN4A9
11:33am Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-2:255576724072:scalingPolicy:393e7ce6-16fb-4ac7-b23-d3590e9a1018:autoScalingGroupName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGGSB;policyName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingScaleDownPolicy-OWB208NBPJDU
11:33am Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-2:255576724072:scalingPolicy:c50bd5c-96eb-4395-b49e-f35a842655eb:autoScalingGroupName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingGroup-XTZ12SHEGGSB;policyName/awseb-e-yxduxeppny-stack-AWSEBAutoScalingScaleUpPolicy-Q10230NNZN2NB
11:33am Waiting for EC2 instances to launch. This may take a few minutes.

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