Step 5: Deploy the Compute stack

Install the Compute CloudFormation stack in the **hub account**.

How to Install this Stack

1. Login to the AWS Management Console using the **Hub Account.**
2. Navigate to the **CloudFormation** page.
3. Click **Create Stack** and select **With new resources (standard)**.
4. For Template Source, select **Amazon S3 URL** and enter the CloudFormation Template URL shown below and click **Next**.
5. On the **Specify Stack** page, enter the stack name '**SandboxStudio-Compute**' and use the parameters shown below.

CloudFormation Template URL

```
https://sandbox-studio-software-dist.s3.amazonaws.com/versions/<VERSION>/SandboxStudio-Compute.template.json
```

For more information on how to find the latest version, click here.

Parameters

Key	What to enter
Namespace	Use the same namespace you used in step 1.
OrgMgtAccountId	12-digit **management** account ID
IdcAccountId	12-digit **management** account ID

About this Stack

Purpose

- Deploys the core backend components that respond to events and orchestrate workflows such as **new account setup** and **account cleanup**.

Where to deploy

- **Hub account**.

What it creates

- **Amazon EventBridge** rules.
- **AWS Lambda** functions that react to events and perform application logic.
- **Amazon SQS** queues to drive asynchronous processing.
- **AWS Step Functions** for multi-step workflows.
- **AWS CodeBuild** projects used during setup/cleanup tasks.

Dependencies

- Requires **Network** (for VPC-attached Lambdas) and **Data** (to read/write application state). If notifications are used, it may reference **SES** templates.

Validation checks

- EventBridge rules are enabled.
- Lambda functions deploy successfully and, where configured, attach to the VPC subnets.
- SQS queues and Step Functions state machines are present.

Tips

- Become familiar with logs/metrics produced by compute components in **Amazon CloudWatch** and monitor for errors.

Revision #9
Created 2025-07-14 21:11:22 UTC
Updated 2025-11-12 20:42:46 UTC by Paul