

# Step 6: Deploy the API stack

Install the API 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-API**' and use the parameters shown below.

## CloudFormation Template URL

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

For more information on how to find the latest version, [click here](#).

## Parameters

Key	What to enter
<b>Namespace</b>	Use the same namespace you used in step 1.
<b>OrgMgtAccountId</b>	12-digit <b>management</b> account ID
<b>IdcAccountId</b>	12-digit <b>management</b> account ID
<b>AllowListedIPRanges</b>	Comma separated CIDRs allowed to call the API (default "allow all"): <code>0.0.0.0/1,128.0.0.0/1</code>

## About this Stack

### Purpose

- Publishes the application's **public API** and **front-end web experience**.

## Where to deploy

- **Hub account.**

## What it creates

- **Amazon API Gateway** with Lambda integrations that expose Sandbox Studio APIs.
- The **end-user web application** for accessing Sandbox Studio.

## Dependencies

- **Compute** (backend logic) and **Data** (application database) must exist.

## Validation checks

- API endpoints return healthy responses.
- The web UI loads and users can sign in via **IAM Identity Center** groups created by the **IDC** stack.

## Tips

- Capture the API base URL and distribute it to administrators and managers.

---

Revision #6

Created 2025-08-26 21:59:23 UTC by Andy

Updated 2025-11-12 20:42:53 UTC by Paul