Create IAM resources using CloudFormation

The following link uses AWS CloudFormation to create a stack using the AWS console:

![Launch Stack](image)

You can then use the Outputs tab to find the data needed to complete the creation of a Cloud Account. For the accessSecretKey (i.e., user's access key) and consolePassword (user's console password) you'll have to follow the links to the AWS Secrets Manager service, and use that to find the secret values. These values, being secrets, aren't displayed directly by CloudFormation.

You can use the AWS command-line interface (CLI) if you prefer:

```bash
export AWS_PROFILE=YOUR_PROFILE_HERE
```

Update the values of AWS_PROFILE with your profile credentials.

Additional options are described in the AWS CLI docs.

You can track the status of the cloud formation with the following command:

```bash
aws cloudformation describe-stacks --stack-name RedisCloud
```

The data needed to complete the creation of a Cloud Account is shown as Output Key and Output Value pairs.

For the two secrets (accessSecretKey and consolePassword) you'll need to use the AWS secretmanager CLI - the value you'll need has a key of SecretString:

```bash
aws secretsmanager get-secret-value --secret-id=/redislabsuser/secret_access_key
```

We recommend using yaml output for the consolePassword, as it makes decoding the required value easier.

```bash
aws secretsmanager get-secret-value --secret-id=/redislabsuser/password --output yaml
```

The consolePassword is a JSON object containing a single member whose key is password and whose value is the password. This can be a bit complex to parse out. Here's an example output:
user@example-computer ~ % aws secretsmanager get-secret-value
   --secret-id=/redislabsuser/password
   --output yaml
CreatedDate: '2021-06-16T06:27:53.402000-06:00'
Name: /redislabsuser/password
SecretString: '{"password":"S3cr3tP@$w0rd"}'}
VersionId: 00000000-0000-0000-0000-000000000000
VersionStages:
   - AWSCURRENT

The JSON object is the value (less the single quotes) of the SecretString key, i.e. it is "password":"S3cr3tP@$w0rd".

The password is the value associated with that key (less the double quotes): S3cr3tP@$w0rd.

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