Create IAM resources using CloudFormation

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

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
daemon 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.

Updated: July 30, 2021