CBIIT Managed HealthOmics ECR Helper

Pre-requisite

To successfully run this github action, required the following items:

- IAM Role for HealthOmics
- S3 bucket for HealthOmics
- IAM Role for OMX helper

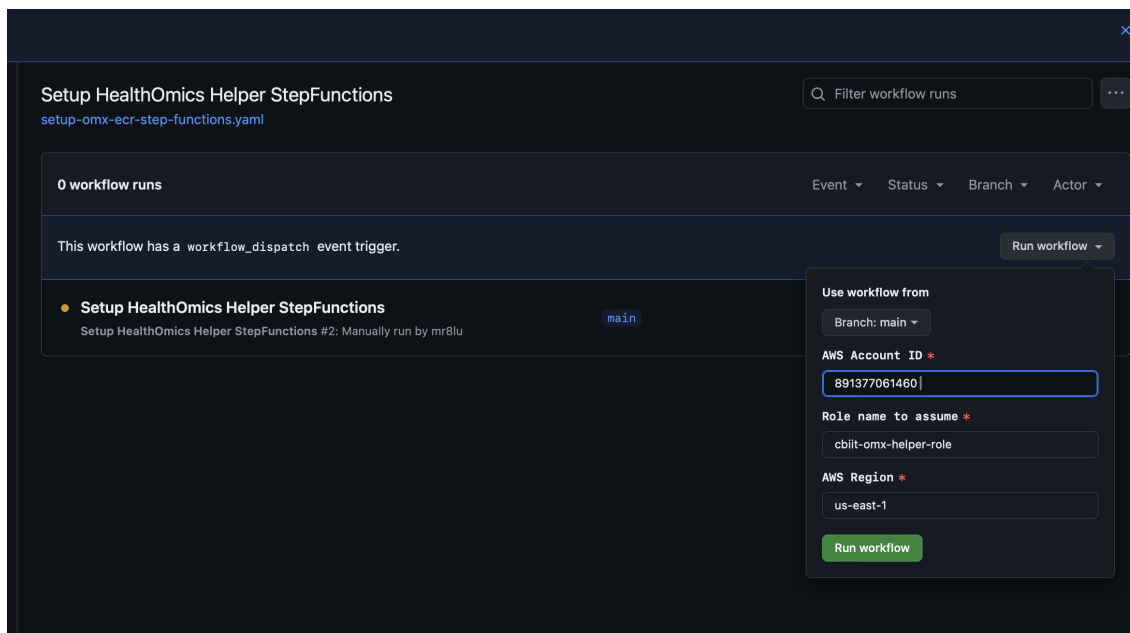[This action](#) can be used to provision the target account.

Usage

The github action requires the following inputs:

Inputs	Description
AWS Account ID	This is the unique AWS account ID
Role name to assume	The IAM role name for the github action to assume via OIDC (default: `cbiit-omx-helper-role`)
AWS Region	The AWS Region to bootstrap CDK (default: `us-east-1`)

Steps

In this repository, go to Github Action tab. Enter the AWS account ID and run the workflow.

This workflow will bootstrap the CDK in the `us-east-1` region, then it will deploy the ECR helper.

Once the workflow has completed, you can check in the AWS account to verify the resources has been created.

- S3 Buckets (`cdk-**` and `omx-bucket-cbiit-managed-***`)
- OMX helepr IAM Roles (`cbiit-omx-helper-role` and `OmxEcrHelper-***`)
- HealthOmics IAM Role (`CBIITHealthOmicsRole`)

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens
- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight 7

▶ AWS Marketplace for S3

Amazon S3

▶ **Account snapshot -** *updated every 24 hours* [All AWS Regions]
Storage lens provides visibility into storage usage and activity trends. Learn more ⬚

[View Storage Lens dashboard]

General purpose buckets	Directory buckets

General purpose buckets (4) Info [All AWS Regions]
Buckets are containers for data stored in S3.

[⟳] [Copy ARN] [Empty] [Delete] [**Create bucket**]

🔍 Find buckets by name

⟨ 1 ⟩ ⚙

Name ▲	AWS Region ▽	IAM Access Analyzer	Creation date ▽
○ cbiit-terraform-state-891377061460	US East (N. Virginia) us-east-1	View analyzer for us-east-1	May 17, 2024, 16:40:02 (UTC-04:00)
○ cdk-hnb659fds-assets-891377061460-us-east-1	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 7, 2024, 14:26:34 (UTC-04:00)
○ danipan-omx	US East (N. Virginia) us-east-1	View analyzer for us-east-1	July 25, 2024, 19:18:58 (UTC-04:00)
○ omx-bucket-cbiit-managed-9135	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 7, 2024, 14:24:22 (UTC-04:00)

Roles (93) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short d

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☐	Role name ▲
☐	cbiit-omx-helper-role
☐	OmxEcrHelper-ContainerBui-CodeBuildContainerBuildRo-ytZe808v31Ed
☐	OmxEcrHelper-ContainerBuil-StateMachineRoleB840431D-fHJH3BgA1OTT
☐	OmxEcrHelper-ContainerPul-CodeBuildContainerPullRol-cPPiaIOOHn7v
☐	OmxEcrHelper-ContainerPul-FunctionAddOmicsECRRepoPo-CotmlR7iIeNC
☐	OmxEcrHelper-ContainerPul-FunctionParseImageURIServ-3gjUcamBf8NV
☐	OmxEcrHelper-ContainerPull-StateMachineRoleB840431D-5yp2bUqi7g6D

Roles (93) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Delete | Create role

cbiit   X   6 matches   < 1 > ⚙

	Role name ▲	Trusted entities	Last activity ▼
☐	cbiit-acm-management-role	AWS Service: lambda, and 1 more.	6 days ago
☐	cbiit-ec2-termination-role	Identity Provider: arn:aws:iam::8913	-
☐	cbiit-omx-helper-role	Identity Provider: arn:aws:iam::8913	15 minutes ago
☐	cbiit-ssm-management-role	AWS Service: lambda, and 1 more.	-
☐	cbiit-tagging-report-role	Identity Provider: arn:aws:iam::8913	26 days ago
☐	CBIITHealthOmicsRole	AWS Service: omics	-