

# AWS HealthOmics - Storage

HealthOmics is a managed service that provides a secure and scalable storage solution for genomic data. It is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data.

- Reference store
- Sequence stores

HealthOmics provides a managed service for storing and managing genomic data. It is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data. It supports storing reference genomes and sequencing data in a highly available and durable manner. HealthOmics is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data.

HealthOmics is a managed service that provides a secure and scalable storage solution for genomic data. It is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data.

HealthOmics is a managed service that provides a secure and scalable storage solution for genomic data. It is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data.

AWS HealthOmics

>

Reference store

>

5748880944

GRCh38

Info

Details

Reference genome ID

5748880944

Reference genome name

GRCh38

Reference genome description

-

Reference store ID

5934757177

Created time

July 08, 2024, 11:26 (UTC -5)

Amazon Resource Name (ARN)

arn:aws:omics:us-east-1:349696919792:referenceStore/5934757177/reference/5748880944

Files - new

Tags

Files (2)

Find files

<

1

>

Object type	MD5 checksum	Omics URI	Size	File parts
source	7ff134953dcca8c8997453bbb80b6b5e	omics://349696919792.storage.us-east-1.amazonaws.com/5934757177/reference/5748880944/source	3.03 GB	31
index	7ff134953dcca8c8997453bbb80b6b5e	omics://349696919792.storage.us-east-1.amazonaws.com/5934757177/reference/5748880944/index	157.16 KB	1

Omics URI is a unique identifier for a specific file in the HealthOmics storage. It is used to access and retrieve the file. The URI is composed of the following parts: `omics://`, the bucket name, the object key, and the file extension. For example, the URI for the source file is `omics://349696919792.storage.us-east-1.amazonaws.com/5934757177/reference/5748880944/source`.

HealthOmics is a managed service that provides a secure and scalable storage solution for genomic data. It is designed to store and manage large volumes of genomic data, such as reference genomes and sequencing data, in a highly available and durable manner. HealthOmics is built on Amazon S3 and provides a simple, secure, and scalable storage solution for genomic data.

AWS HealthOmics > Sequence stores > omics-cfn-sequence-store

omics-cfn-sequence-store

Copy store S3 alias URI

Delete

Import files to create read sets

Read sets

Details

Data transfers

Tags

Details

Sequence store ID

6779198914

Sequence store name

omics-cfn-sequence-store

Description

-

Created time

July 08, 2024, 11:24 (UTC -5)

Encryption type

AWS owned key

Encryption key ARN

arn:aws:kms:us-east-1:559620149354:key/ba143c59-a8e3-476e-b2c4-f6862e72974a

Amazon Resource Name (ARN)

arn:aws:omics:us-east-1:349696919792:sequenceStore/6779198914

S3 fallback location

-

ETag calculation

MD5sup

Sequence store S3 alias URI

s3://349696919792-6779198-8h543pfencki8cydnfpcceai4owanuse1b-s3alias/349696919792/sequenceStore/6779198914/

Sequence store S3 access point ARN

arn:aws:s3:us-east-1:559620149354:accesspoint/349696919792-6779198914

FASTQ files are stored in the S3 bucket. The files are named with the sample ID and the file format (FASTQ or BAM). The files are stored in the S3 bucket in the following format: s3://349696919792-6779198-8h543pfencki8cydnfpcceai4owanuse1b-s3alias/349696919792/sequenceStore/6779198914/

2024 4 15 11:24 (UTC -5) S3:// alias URI s3://349696919792-6779198-8h543pfencki8cydnfpcceai4owanuse1b-s3alias/349696919792/sequenceStore/6779198914/

??

- https://catalog.workshops.aws/amazon-omics-end-to-end/en-US/010-xp-console/100-omics-storage/reference-stores