

# Your Mission: Use F-Response to collect Amazon S3 Bucket data



Using F-Response to collect Amazon S3 Storage Bucket contents

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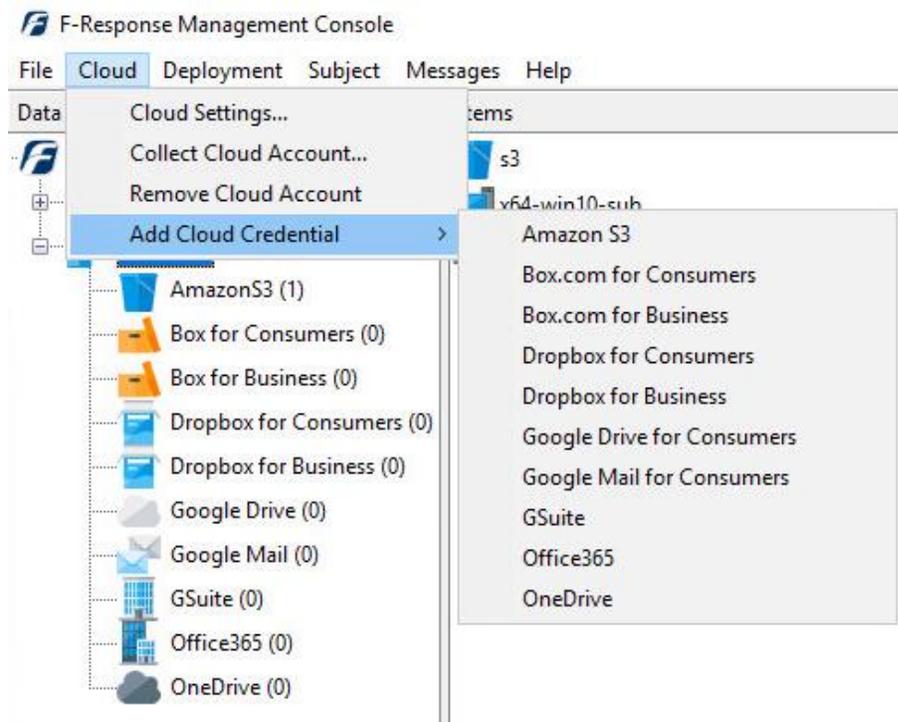
**Important Note**

*Disclaimer: F-Response provide access to 3rd party data sources via Application Programming Interfaces (APIs) and internal structures presented by the provider. 3rd party provided data sources by their very nature are volatile. The afore mentioned F-Response products provide "best effort" for accessing and interacting with those 3rd party data sources however service disruptions, API changes, provider errors, network errors, as well as other communications issues may result in errors or incomplete data access. F-Response always recommends secondary validation of any 3rd party data collection.*

F-Response Cloud Collector Options Supported		
<b>Revision History</b>	Not available.	Amazon S3 does not support revision history. Enabling Revision History in F-Response will have no effect on the collection.
<b>Hash Verification</b>	Available and supported.	Amazon S3 provides md5 hashes of items which will be automatically checked in F-Response if Verify Hashes is enabled. <b>NOTE Hashes for Multi-part uploads will not be verified.</b>

## Step 1: Open the Amazon S3 Credential Configuration Window

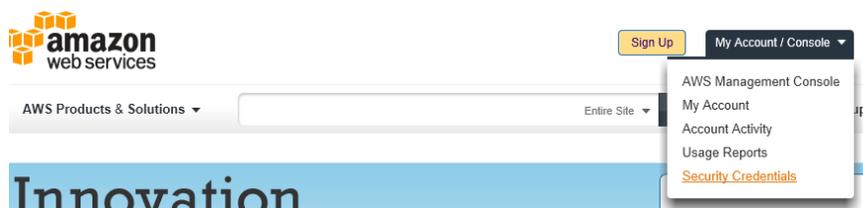
Open the F-Response Management Console and navigate to Cloud->Add Cloud Credential->Amazon S3, or double click on the appropriate icon in the Data Sources pane.



F-Response Management Console

## Step 2: Obtain Amazon S3 Credentials

Amazon S3 Storage Credentials are found on the Amazon AWS Console (see [aws.amazon.com](https://aws.amazon.com)). The specific credentials required are available under the “**Security Credentials**” link under **My Account**, see below:



*Amazon Web Services Main Page*

Locate the **Access Credentials** section and record (copy/paste) **the Access Key ID**, then click “**Show**” to open a secondary window containing the **Secret Access Key**.

### Access Credentials

There are three types of access credentials used to authenticate your requests to AWS services: (a) access keys, (b) X.509 certificates, and (c) key pairs. Each access credential type is explained below.

[Access Keys](#) [X.509 Certificates](#) [Key Pairs](#)

Use access keys to make secure REST or Query protocol requests to any AWS service API. We create one for you when your account is created – see your access key below.

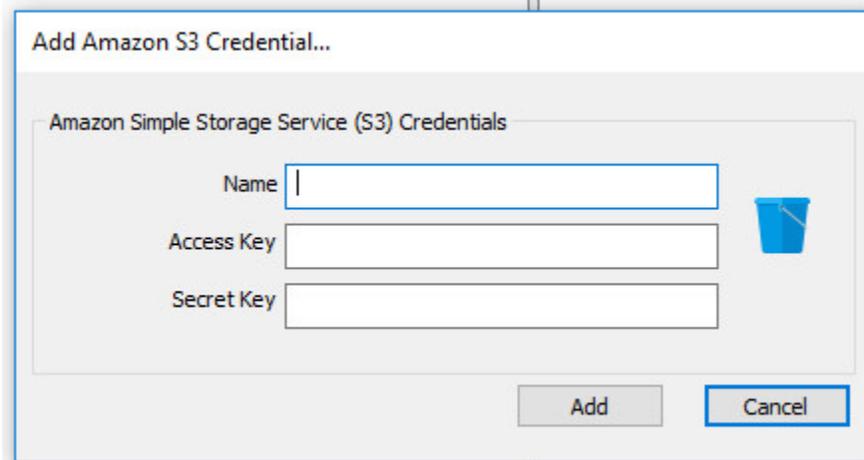
**Your Access Keys**

Created	Access Key ID	Secret Access Key	Status
August 19, 2010	agh423jka941dlt0438	<a href="#">Show</a>	Active ( <a href="#">Make Inactive</a> )

[Create a new Access Key](#)

*Amazon AWS Access Key and Secret Access Key*

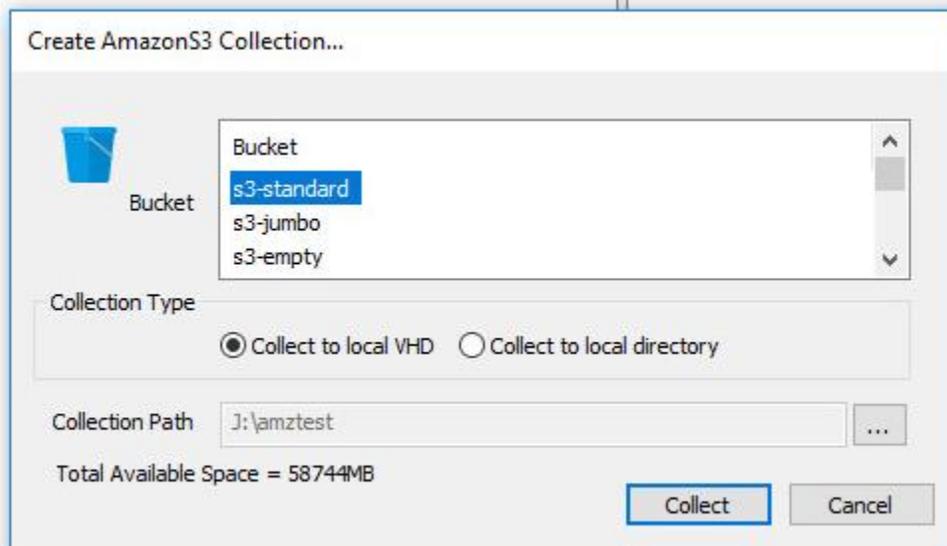
The preceding credentials (Access Key and Secret Key) must be entered in the corresponding fields in the **Configure Amazon S3 Credentials** dialog. The Name field is **not** optional and is used to provide a secondary human readable identifier for the credential set (Ex "Client X Account").



*Configure S3 Credentials*

## Step 3: Start a collection

Select the Amazon S3 Bucket icon under Data Sources and then double click on the newly added Amazon S3 account under Items. This will prepare a new dialog for collecting a bucket's contents.



*Starting a new collection*

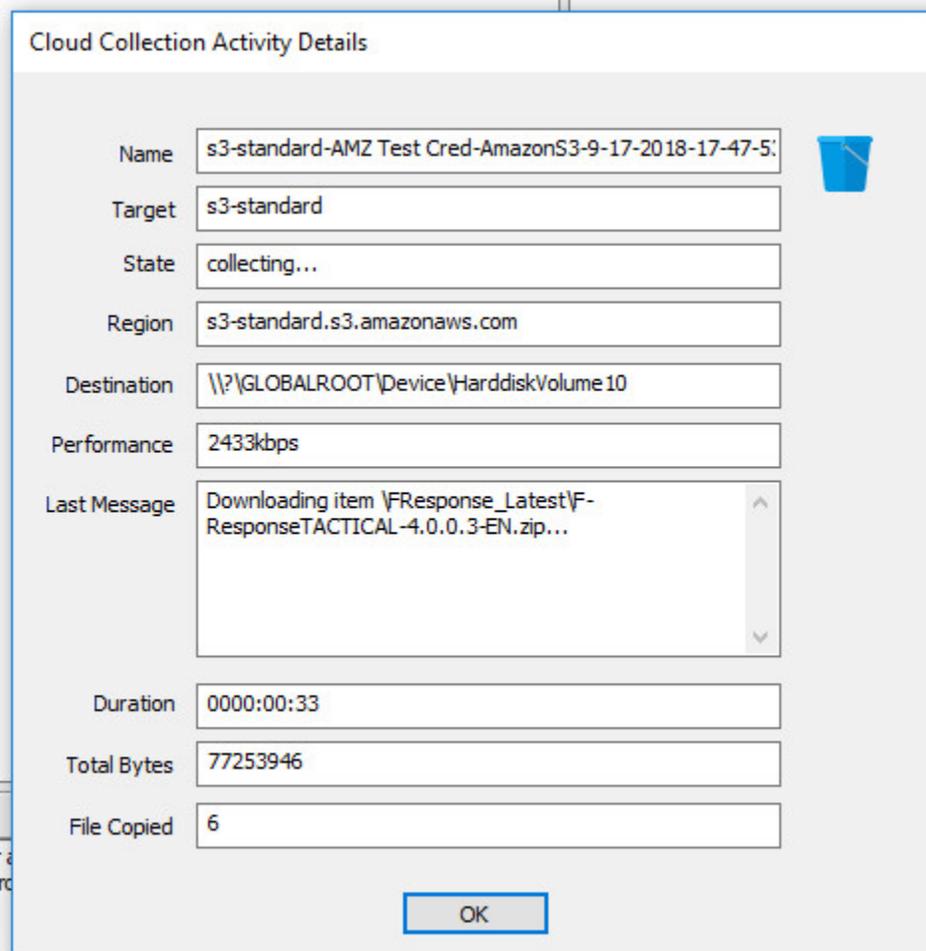
Select the specific bucket you would like to collect, as well as whether you would like to collect the bucket to a virtual hard disk or a local directory. In either case a collection of the bucket contents will be made, along with a log file and error file to indicate any errors that might have occurred during the collection.

## Step 4: Check the Activity Pane

The Activity Pane shows the active collection. Double clicking on the collection will provide additional details.



*Active Collections*



*Collection Details...*

## Step 5: Review the Completed Collection

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Navigate to the destination folder at the completion of the collection to review the individual files collected, or the summary VHD, along with any log or error reports.

Name	Date modified	Type
 AMZ Test Cred-AmazonS3-9-17-2018-17-48-45.csv	9/17/2018 1:50 PM	CSV File
 AMZ Test Cred-AmazonS3-parse-errors-9-17-2018-17-48-45.csv	9/17/2018 1:48 PM	CSV File
 s3-standard-AMZ Test Cred-AmazonS3-9-17-2018-17-47-53.vhd	9/17/2018 1:50 PM	Hard Disk Image F

*Reviewing the completed image.*

## Additional Details

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The following file datetime values are used by F-Response during the collection (*Any missing dates are set to 1601-01-01T00:00:01Z*):

WINDOWS TIME	PROVIDER VALUE
<b>MODIFIED</b>	LastModified
<b>ACCESSED</b>	
<b>CREATED</b>	

## Troubleshooting

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### **I have valid S3 Credentials however I get no buckets returned, why?**

*Most likely your computer's clock is too far skewed from the current time. Your examiner machine's clock must be accurate to within 15 minutes of actual time. The time zone is un-important.*