S3 File List Step

Objective:

It is used to download the list of files from AWS s3. the AWS Management Console to upload one or more files or entire folders to an Amazon S3 bucket. Before you can upload files and folders to an Amazon S3 bucket, you need write permissions for the bucket.

## Attributes:

|  |  |
| --- | --- |
| **Attributes** | **Description** |
| value\_type | To select type as free marker template or handlebar |
| plugin\_name | The name of the plugin which we configured earlier with access\_key, secret\_key and region |
| bucket\_name | S3 bucket name has to be provided with the path which mentions the location of the required files to download from that folder |
| file\_key | The name of the folder to upload the list of files into that folder based on the bucket path |
| output\_variable | Used to store the response of the step |

## Executor Description:

In executor class first will retrieve the serializable s3 objects and assign to objectlisting object by using Amazon s3 client and deserialize the retrieved object. Iterate through the De-serialized S3 summary object and get the file names and remove the last added comma. Put the file list into output variable.

## Dependent Plugins:

|  |  |
| --- | --- |
| **Attributes** | **Description** |
| access\_key | AWS Access Keys are used to sign the requests you send to Amazon S3. Like the Username/Password pair you use to access your AWS Management Console, Access Key Id and Secret Access Key are used for programmatic (API)access to AWS services. You can manage your Access Keys in AWS Management Console. |
| secret\_key | When we create access keys, we create the access key ID and secret access key as a set. During access key creation, AWS gives you one opportunity to view and download the secret access key part of the access key. |
| region | To reduce data latency in your applications, mostAmazon Web Services offer a regional endpoint to make your requests. An endpoint is a URL that is the entry point for a web service. For example, https://dynamodb.us-west-2.amazonaws.com is an entry point for the Amazon DynamoDB service. |

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## Resources:

For more information please refer the below link

<https://docs.aws.amazon.com/AmazonS3/latest/user-guide/download-objects.html>