

AWS INSTANCE UTILIZATION Readme

Bot Overview

This bot performs the following:

- This bot gathers details of the CPU utilization of every instance in a given region for a given number of days and creates a csv file containing the results.

Pre-Requisites

- Automation Anywhere Enterprise v10.7 or above.
- An AWS account.

Installation

- Download the bot from Bot Store.
- Double click on <Bot Name>.msi and follow the installation instructions.

For first time users, the “Bot Store” folder is created under <AA Directory>/My Tasks (on your local disk).

Installer creates the following folder structure with content under the <AA Directory>

- <AA Directory>
 - o My Tasks
 - Bot Store
 - AWS Instance Utilization-Automation Anywhere (Folder)
 - o My Tasks
 - InstanceUtilization.atmx
 - o Error Folder
 - Logs (Folder)
 - Error Logs Month-Day-Year.txt
 - Snapshots (Folder)
 - Error Snap Month-Day-Year.png
 - o My Metabots
 - [AWS] S3Operations.mbot
 - InstanceUtilization.mbot

How to Use the Bot:

Use the following information to configure your bot:

Parameter Name	Type	Direction	Additional Info
AccessKeyID	String	Input	The access key that allows access to AWS API's. Example - AKIAI45D3RE6N

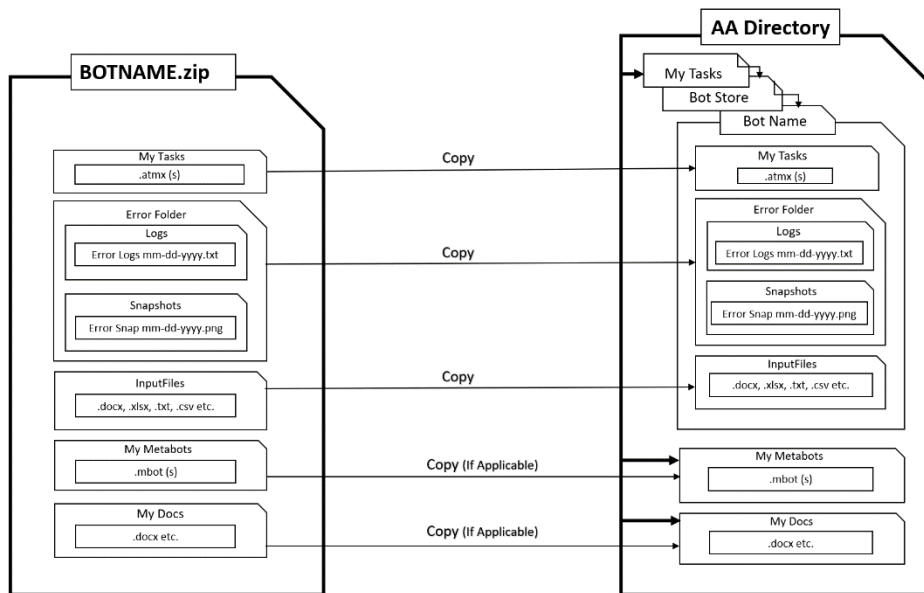
SecretAccessKey	String	Input	The secret key that allows access to AWS API's. Example – FBwKDpfFORbsg9JmmDDBFwbIN
Region	String	Input	Region in which the instance is to be created. The details about available regions can be found at the end of this document. Example – N.California
NoOfDays	String	Input	This field contains the number of days for which you want to check the CPU utilization.
OutputFilePath	String	Input	This is the path where the output csv file will be stored. Example – C:/users/user/test.csv. Remember to put the csv extension at the end.
BucketName	String	Input	Name of the S3 Bucket to be used for the upload operation. Example – test
UploadFileName	String	Input	Name of the file to be uploaded to S3 bucket. Your file in the S3 bucket will be displayed by this name Example – test.csv
UploadToS3Bucket	String	Input	If you want to upload the utilization report to the S3 bucket, set this option to “True”.
CreateBucket	String	Input	If you want to create a bucket on S3 and upload file to the newly created bucket, set this option to “True”. If you want to use your own bucket, set this option to “False”.
Response	String	Output	The result of instance utilization request. Example – Data has been successfully written to the path specified in the OutputFilePath.
ResponseFromS3	String	Output	The result of the upload to S3 operation. Example – File successfully uploaded to S3 bucket.
vErrorFolder	String	Input	This is error folder inside bot folder which contains Logs and Snapshots folder (Already defined, no need to add value unless want to change location of file).
vLogFolder	String	Input	This folder contains Log file in case of error (Already defined, no need to

			add value unless want to change location of file).
vSnapshotFolder	String	Input	This folder contains Screenshot in case of error (Already defined, no need to add value unless want to change location of file).

Error Handling

- Each Bot folder contains the below hierarchy.
 - o Error Folder
 - Logs
 - Error Logs Month-Day-Year.txt: In case of any error, this file logs error message along with time stamp.
 - Snapshots
 - Error Snap Month-Day-Year.png: In case of any error, this file captures screenshot of error.
- Task Status of bot is set to failed in case of error.

Bot Deployment



Notes

List of Available AWS Regions

Tokyo, Seoul, Singapore, Sydney, Frankfurt, Ireland, South America, N.Virginia, N.California, Oregon

Generating AWS Access Key and Secret Key

Information on how to generate the keys can be found at this link

<https://docs.aws.amazon.com/general/latest/gr/managing-aws-access-keys.html>