ALIProWeb™-s3ft

Introduction

The ALIProWeb™-s3ft service (Simple Storage Service File Transfer) allows clients to upload and download ALI update and return files from a secure, private, and unique object storage path that resides in Amazon s3. It is a cloud-based approach to familiar sftp file transfer. Automation is facilitated by a (cross platform) Amazon Web Services (AWS) command line or PowerShell Cmdlets in the AWSPowerShell PowerShell module.

The AWS Command Line Interface (CLI) and supporting documentation regarding installation is available from AWS at this URL: https://aws.amazon.com/cli/ . The latest version of the AWSPowerShell module at the time of this writing is available from the PowerShell Gallery at this URL: https://www.powershellgallery.com/packages/AWSPowerShell/3.3.365.0.

The following instructions will show you how to use the AWS CLI to upload and retrieve files from ALIProWeb™-s3ft.

Setup

Initially, the AWS CLI requires some basic configuration to enable access to resources in the AWS environment. To configure the AWS CLI, the command 'aws configure' is used at the command line of choice (i. e., Command.exe, PowerShell.exe, etc.). When you type this command, the AWS CLI prompts you for four pieces of information (access key, secret access key, AWS Region, and output format), and stores them in a *profile* (a collection of settings) named default in a local configuration file. This profile is then used any time you run an AWS CLI command that doesn't explicitly specify a profile to use. The command and resulting prompts look like the following example.

```
$ aws configure
AWS Access Key ID [None]: AKIAIOSFODNN7EXAMPLE
AWS Secret Access Key [None]: wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
Default region name [None]: us-west-2
Default output format [None]: json
```

LCSI will provide the access key, secret access key, and default region name to each ALIProWeb™-s3ft service subscriber in order to establish the basic configuration. The default output format is up to the discretion of the subscriber, Java Script Object Notation (json), text, or table being the values allowed by AWS.

Upload Files

Once your environment has been set up for ALIProWeb™-s3ft, you may invoke AWS commands from your command line of choice similar to the example below.

```
$ aws s3 cp local-path-to-my-file\example-file.DAT s3://apw-s3ft/us/wa/my-Nena-
ID/uploads/example-file.DAT
```

LCSI will provide each subscriber with the s3 paths to be used for uploading and retrieving files. The path for each subscriber includes that subscriber's NENA ID. Only LCSI and users/systems in possession of the KeyID and Secret Access Key for a subscribers path are able to access data in that path.

List Files

To list the return files the following command would be used.

```
$ aws s3 ls s3://apw-s3ft/us/wa/my-Nena-ID/returns
```

Download Files

To download (copy) files from s3, the following command would be used.

```
$ aws s3 cp s3://apw-s3ft/us/wa/my-Nena-ID/returns/example-return-file.log local-path-to-my-file\example-return-file.log
```

The complete documentation for AWS CLI s3 commands is available at this URL:
https://docs.aws.amazon.com/cli/latest/userguide/cli-services-s3.html