AWS SDK for PHP

The **AWS SDK for PHP** enables PHP developers to use Amazon Web Services from their PHP code, and build robust applications and software using services like Amazon S3, Amazon DynamoDB, Amazon Glacier, etc. You can get started in minutes by installing the SDK through Composer — by requiring the aws/aws-sdk-php package — or by downloading the standalone [aws.zip](http://docs.aws.amazon.com/aws-sdk-php/v3/download/aws.zip) or [aws.phar](http://docs.aws.amazon.com/aws-sdk-php/v3/download/aws.phar) files.

## **Getting Started**

1. [Requirements](https://docs.aws.amazon.com/aws-sdk-php/v3/guide/getting-started/requirements.html)

## **Minimum requirements**

* PHP >= 5.5.0
* Apache

## **Install Apache**

1. Before you begin any installation, make sure that your software is up to date:

sudo yum update

1. Install Apache:

sudo yum install httpd

1. Start Apache:

sudo systemctl start httpd.service

1. Set Apache to start on server boot:

sudo systemctl enable httpd.service

## **Install PHP**

1. Install Required Repositories

yum -y install epel-release

wget <https://centos7.iuscommunity.org/ius-release.rpm>

rpm -Uvh ius-release\*.rpm

2.Update Packages to current level

yum -y update

3.Install PHP Packages

yum -y install php56u php56u-opcache php56u-xml php56u-mcrypt php56u-gd php56u-devel php56u-mysql php56u-intl php56u-mbstring php56u-bcmath

4. Restart Apache:

sudo systemctl restart httpd.service

## **Installing AWS SDK via Composer**

Using [Composer](http://getcomposer.org/) is the recommended way to install the AWS SDK for PHP. Composer is a dependency management tool for PHP that allows you to declare the dependencies your project needs and installs them into your project.

1. Install Composer

curl -sS https://getcomposer.org/installer | php

1. Run the Composer command to install the latest stable version of the SDK:

php composer.phar require aws/aws-sdk-php

1. Require Composer's autoloader in each php file

<?php

require 'vendor/autoload.php';

**Create One S3 Bucket**

1. Copy the Below Script and paste in “createbucket.php” file and change ACCESS KEY, SECRET KEY and REGION

<?php

require 'vendor/autoload.php';

use Aws\S3\S3Client;

use Aws\Exception\AwsException;

$USAGE = "\n".

"To run this example, supply the name of an S3 bucket\n" .

"Ex: php PutObject.php <bucketname> <filename>\n";

$BUCKET\_NAME = $argv[1];

//Create a S3Client

$s3Client = new S3Client([

'region' => 'REGION',

'version' => 'latest',

'credentials' => [

'key' => 'ACCESS KEY',

'secret' => 'SECRET KEY',

]

]);

//Creating S3 Bucket

try {

$result = $s3Client->createBucket([

'Bucket' => $BUCKET\_NAME,

]);

}catch (AwsException $e) {

// output error message if fails

echo $e->getMessage();

echo "\n";

}

echo $result;

?>

2. Run the command

php createbucket.php <username>-<region>-<bucketname>

**AWS PHP SDK Reference**

<https://aws.amazon.com/sdk-for-php/>

**AWS Python SDK**

1.Install Python SDK

$sudo pip install boto3

2.Configure Access Key and secret key

[centos@ip-10-53-1-111 ~]$ aws configure

AWS Access Key ID [None]: Enter Access Key

AWS Secret Access Key [None]: Enter Secret Key

Default region name [None]: Enter Region

Default output format [None]: json

3.Code is to List the bucket

Copy the below code in to file test.py

import boto3

# Create an S3 client

s3 = boto3.client('s3')

# Call S3 to list current buckets

response = s3.list\_buckets()

# Get a list of all bucket names from the response

buckets = [bucket['Name'] for bucket in response['Buckets']]

# Print out the bucket list

print("Bucket List: %s" % buckets)

4.Run the code

$ python test.py

Bucket List: ['mohanraz81-us-east-1-test1']

**Python API Reference**

<https://aws.amazon.com/sdk-for-python/>

**There are SDK for Java, node.js, ruby and .net**

**Java**

<https://aws.amazon.com/sdk-for-java/>

**node.js**

<https://aws.amazon.com/sdk-for-node-js/>

**RUBY**

**https://aws.amazon.com/sdk-for-ruby/**

**.NET**

**https://aws.amazon.com/sdk-for-net/**