

Installing aws-sdk

The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal output shows the installation of Composer and the aws-sdk-php package. The user is logged in as ec2-user and is running commands to update the system, install Composer, and then install the aws-sdk-php package. The terminal output shows the following commands and their output:

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Apr 2 15:33:58 2020 from 27.4.233.238

_ _ _ _ _
| | | | |
_ _ _ _ _

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-25-129 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar

[ec2-user@ip-172-31-25-129 ~]$ cd /var/www/html
[ec2-user@ip-172-31-25-129 html]$ sudo mkdir face
[ec2-user@ip-172-31-25-129 html]$ cd face
[ec2-user@ip-172-31-25-129 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-25-129 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
```

The terminal window is titled "New EC2" and shows the "Launch" button. The "Instances" section is visible on the left sidebar. The "Public DNS (IPv4)" column in the instance list shows the IP address 13.59.198.155.

Installing php

The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal output shows the installation of php. The user is logged in as ec2-user and is running commands to update the system and install php. The terminal output shows the following commands and their output:

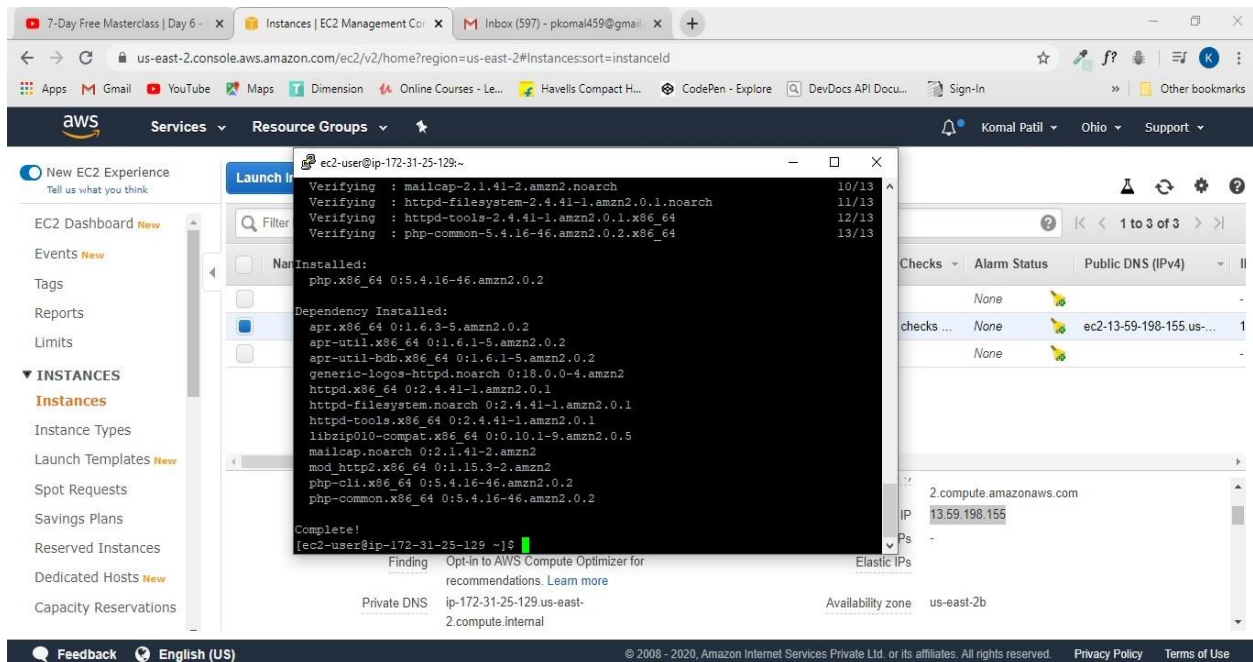
```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

_ _ _ _ _
| | | | |
_ _ _ _ _

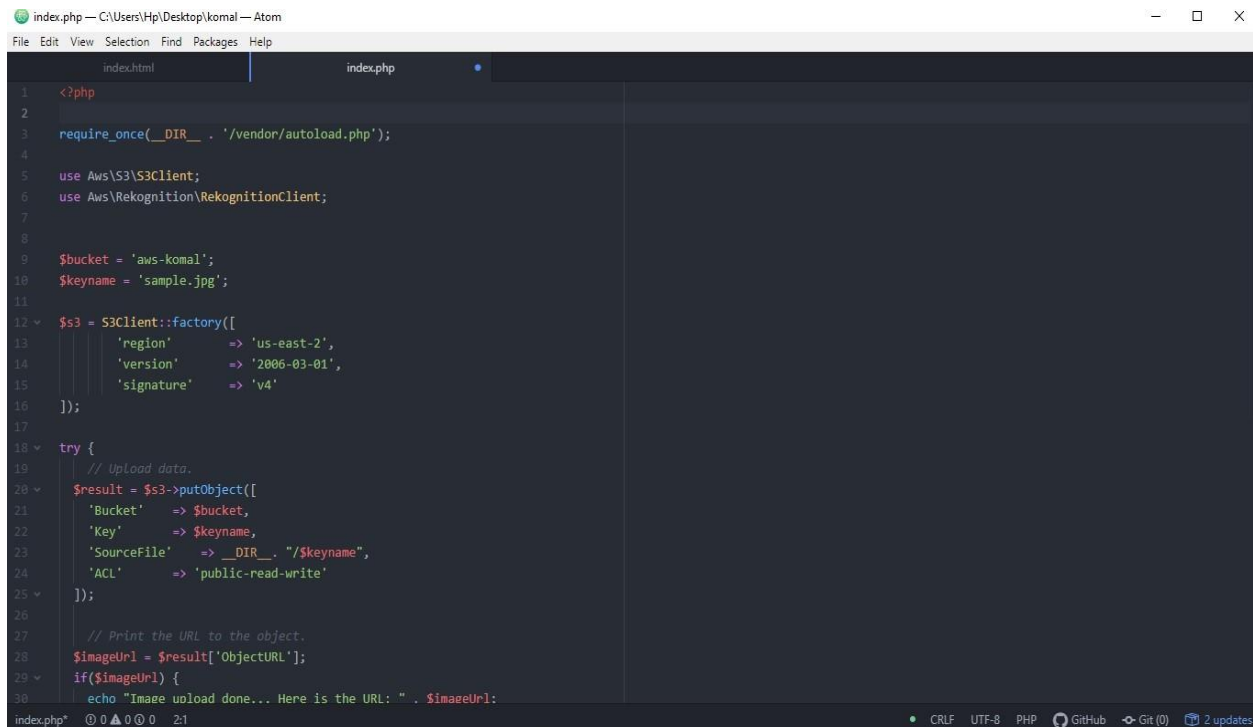
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-25-129 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB 00:00
Resolving Dependencies
--> Running transaction check
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: httpd-mmm = 20120211x8664 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: httpd for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
Finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Private DNS ip-172-31-25-129.us-east-2.compute.internal
Elastic IPs
Availability zone us-east-2b
```

The terminal window is titled "New EC2" and shows the "Launch" button. The "Instances" section is visible on the left sidebar. The "Public DNS (IPv4)" column in the instance list shows the IP address 13.59.198.155.



index.php file code



Upload success screenshot

The screenshot shows the AWS Management Console with a terminal window open for an EC2 instance. The terminal output displays the following commands and their results:

```
ec2-user@ip-172-31-25-129:/var/www/html/face$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB) copied, 13.3733 s, 80.3 MB/s
ec2-user@ip-172-31-25-129 face$ sudo /sbin/mkswap /var/swap.1
mkswap: /var/swap.1: insecure permissions 0644, 0600 suggested.
Setting up swapspace version 1, size = 1024 MB (107373728 bytes)
no label, UUID=1f1e1123e-2fbb-4cfa-af5-fc03f36255e1
ec2-user@ip-172-31-25-129 face$ sudo /sbin/swapoff /var/swap.1
swapoff: /var/swap.1: insecure permissions 0644, 0600 suggested.
ec2-user@ip-172-31-25-129 face$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Connecting to i.pinimg.com (i.pinimg.com)|104.18.14.176|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
100%[=====] 215,551 --.-K/s in 0.03s
2020-04-02 15:59:59-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 104.18.14.176, 104.18.15.176, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)|104.18.14.176|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
100%[=====] 215,551 --.-K/s in 0.03s
2020-04-02 15:59:59 (6.25 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]
ec2-user@ip-172-31-25-129 face$
```

The screenshot shows the AWS Management Console with a terminal window open for an EC2 instance. The terminal output displays the following commands and their results:

```
ec2-user@ip-172-31-25-129:/var/www/html/face$
- Installing guzzlehttp/promises (v1.3.1): Downloading (100%)
- Installing ralouphie/getallheaders (3.0.3): Downloading (100%)
- Installing psr/http-message (1.0.1): Downloading (100%)
- Installing guzzlehttp/psr7 (1.6.1): Downloading (100%)
- Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
- Installing aws/aws-sdk-php (3.134.1): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-httpdierrunner (Emit PSR-7 responses)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain Name (IDN) s
aws/aws-sdk-php suggests installing doctrine/cache (To use the DoctrineCacheAdapter)
aws/aws-sdk-php suggests installing aws/aws-php-sns-message-validator (To validate incoming SNS no
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the 'composer fund' command to find out more!
ec2-user@ip-172-31-25-129 face$ ls
b97ea33b5842c7894b804923c6c05580.jpg.1 composer.json composer.lock index.php sample.jpg vendo
ec2-user@ip-172-31-25-129 face$ sudo rm index.php
ec2-user@ip-172-31-25-129 face$ ls
b97ea33b5842c7894b804923c6c05580.jpg.1 composer.json composer.lock sample.jpg vendor
ec2-user@ip-172-31-25-129 face$ sudo vim index.php
ec2-user@ip-172-31-25-129 face$ sudo php index.php
ec2-user@ip-172-31-25-129 face$ sudo php index.php
Image upload done... Here is the URL: https://aws-komal.s3.us-east-2.amazonaws.T
ec2-user@ip-172-31-25-129 face$
```

The S3 Management Console shows the following files uploaded to the bucket:

Name	Last modified	Size	Storage class
index.html	Apr 1, 2020 8:22:11 PM GMT+0530	189.0 B	Standard
sample.jpg	Apr 2, 2020 10:47:01 PM GMT+0530	210.5 KB	Standard