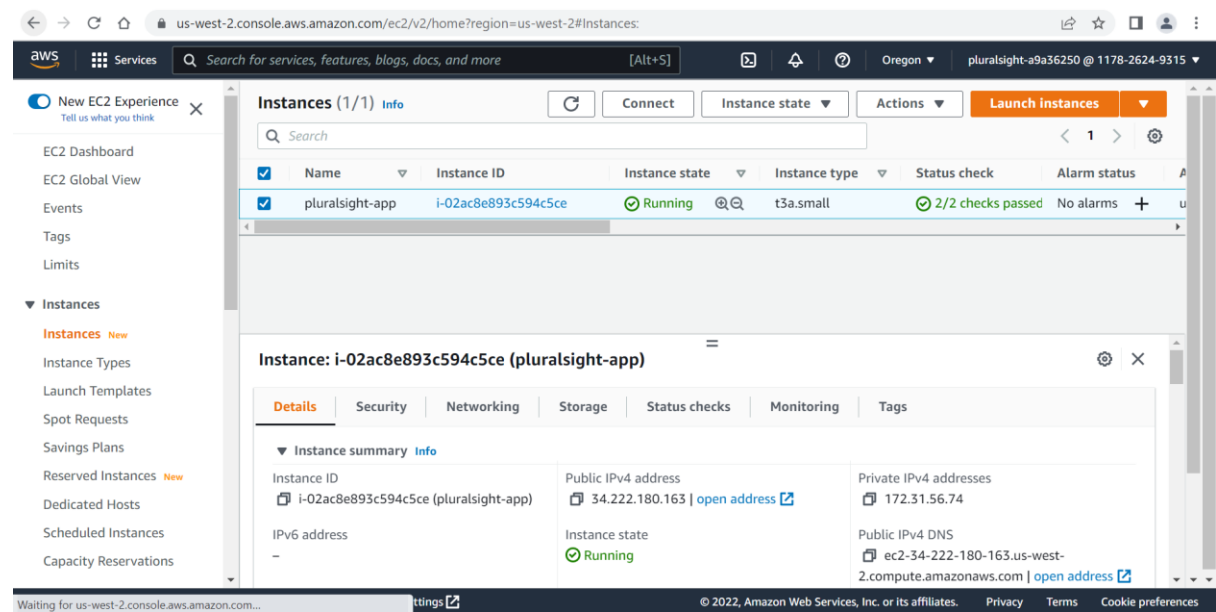


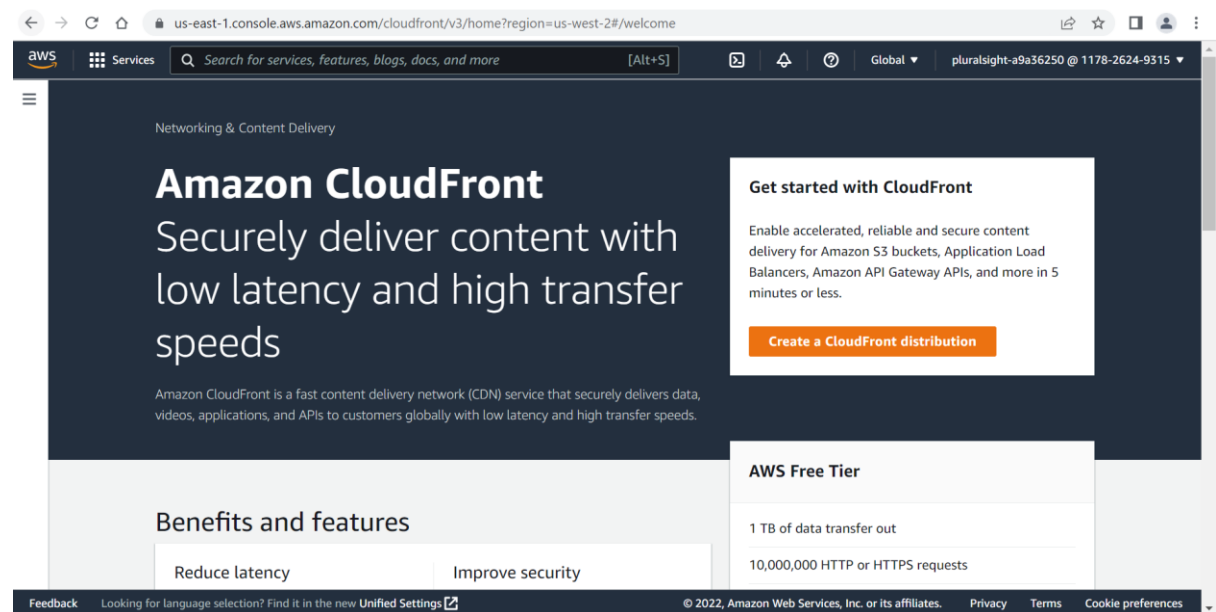
1. Retrieve Domain Name of the Origin



The screenshot shows the AWS Management Console for the 'us-west-2' region. The 'Instances' page is active, displaying a table with one instance: 'pluralsight-app' (ID: i-02ac8e893c594c5ce), which is in a 'Running' state. Below the table, the 'Details' tab for this instance is expanded, showing the following information:

Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-02ac8e893c594c5ce (pluralsight-app)	34.222.180.163 open address	172.31.56.74
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-34-222-180-163.us-west-2.compute.amazonaws.com open address

2. Create an Initial CloudFront Distribution



The screenshot shows the Amazon CloudFront console for the 'us-east-1' region. The page is titled 'Networking & Content Delivery' and features the following sections:

- Amazon CloudFront**: Securely deliver content with low latency and high transfer speeds. Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds.
- Get started with CloudFront**: Enable accelerated, reliable and secure content delivery for Amazon S3 buckets, Application Load Balancers, Amazon API Gateway APIs, and more in 5 minutes or less. A button labeled 'Create a CloudFront distribution' is visible.
- AWS Free Tier**:
 - 1 TB of data transfer out
 - 10,000,000 HTTP or HTTPS requests
- Benefits and features**:
 - Reduce latency
 - Improve security

us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/create

aws Services Search for services, features, blogs, docs, and more [Alt+S] Global pluralsight-a9a36250 @ 1178-2624-9315

CloudFront > Distributions > create

Create distribution

Origin

Origin domain

Choose an AWS origin, or enter your origin's domain name.

ec2-34-222-180-163.us-west-2.compute.amazonaws.com X

Protocol [Info](#)

☒ HTTP only

☐ HTTPS only

☐ Match viewer

HTTP port

Enter your origin's HTTP port. The default is port 80.

80

HTTPS port

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/create

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Default cache behavior

Path pattern [Info](#)

Default (*)

Compress objects automatically [Info](#)

☐ No

☒ Yes

Viewer

Viewer protocol policy

☒ HTTP and HTTPS

☐ Redirect HTTP to HTTPS

☐ HTTPS only

Allowed HTTP methods

☒ GET, HEAD

☐ GET, HEAD, OPTIONS

☐ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8

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Successfully created new distribution.

CloudFront > Distributions > E2OWHU9LOXBG8

E2OWHU9LOXBG8

General Origins Behaviors Error pages Geographic restrictions Invalidations Tags

Details

Distribution domain name d2t7e9f0sk1i97.cloudfront.net	ARN arn:aws:cloudfront::117826249315:distribution/E2OWHU9LOXBG8	Last modified Deploying
---	--	----------------------------

Settings

Description -	Alternate domain names -	Standard logging Off
------------------	-----------------------------	-------------------------

Edit

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d2t7e9f0sk1i97.cloudfront.net



Hello World!

This should display the current time in UTC whenever page is refreshed:

2022-06-27 14:44:30

Review the CloudFront cache settings if the time appears 'frozen'.

3. Separate Caching Behavior for Dynamic and Static Content

us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/behaviors

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CloudFront

- Distributions
- Policies
- Functions
- What's new **NEW**
- ▼ Telemetry
 - Monitoring
 - Alarms
 - Logs
- ▼ Reports & analytics
 - Cache statistics
 - Popular objects
 - Top referrers
 - Usage
 - Viewers

E2OWHU9LOXBG8

General Origins **Behaviors** Error pages Geographic restrictions Invalidations Tags

Behaviors Save Move up Move down Edit Delete **Create behavior**

Filter behaviors by property or value

	Preced...	Path pattern	Origin or o...	Viewer pro...	Cache poli...	Origin req...	Response ...
<input type="radio"/>	0	Default (*)	ec2-34-22...	HTTP and ...	Managed-Cachin	-	-

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/behaviors/create

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Create behavior

CloudFront > Distributions > E2OWHU9LOXBG8 > Create behavior

Settings

Path pattern [Info](#)

/images/*

Origin and origin groups

ec2-34-222-180-163.us-west-2.compute.amazonaws.com

Compress objects automatically [Info](#)

☐ No

☒ Yes

Viewer

Viewer protocol policy

☒ HTTP and HTTPS

Feedback Looking for language selection? Find it in the new Unified Settings

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/behaviors/create

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Cache key and origin requests

We recommend using a cache policy and origin request policy to control the cache key and origin requests.

☐ Cache policy and origin request policy (recommended)

☒ Legacy cache settings

Headers

Choose which headers to include in the cache key.

None

Query strings

Choose which query strings to include in the cache key.

None

Cookies

Choose which cookies to include in the cache key.

None

Object caching

☐ Use origin cache headers

☒ Customize

Minimum TTL Maximum TTL Default TTL

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← → ↻ 🔍 us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/behaviors

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☑ Successfully created new cache behavior /images/*

CloudFront > Distributions > E2OWHU9LOXBG8

E2OWHU9LOXBG8

General | Origins | **Behaviors** | Error pages | Geographic restrictions | Invalidations | Tags

Behaviors Save Move up Move down Edit Delete Create behavior

🔍 Filter behaviors by property or value

	Preced...	Path pattern	Origin or origin ...	Viewer protocol ...	Cache policy name	Origin request p...	Response header...
<input type="radio"/>	0	/images/*	ec2-34-222-180-...	HTTP and HTTPS	-	-	-
<input type="radio"/>	1	Default (*)	ec2-34-222-180-...	HTTP and HTTPS	Managed-CachingOptir	-	-

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4. Invalidate Cache and Test New Behaviors

← → ↻ 🔍 us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/invalidations/create

aws Services 🔍 Search for services, features, blogs, docs, and more [Alt+S] Global pluralsight-a9a36250 @ 1178-2624-9315

CloudFront > Distributions > E2OWHU9LOXBG8 > Create invalidation

Create invalidation

Object paths

Add object paths
Add the path for each object that you want to remove from the CloudFront cache. You can use wildcards (*).

/

🔔 To add object paths individually, use the [standard editor](#).

Cancel Create invalidation

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-west-2#/distributions/E2OWHU9LOXBG8/invalidations/details/I29749LCGUUV3M

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Successfully created invalidation I29749LCGUUV3M

CloudFront > Distributions > E2OWHU9LOXBG8 > I29749LCGUUV3M

Invalidation details


Copy to new

Date created June 27, 2022 at 2:49:43 PM UTC	Object paths /
Status Completed	

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d2t7e9f0sk1i97.cloudfront.net




Hello World!

This should display the current time in UTC whenever page is refreshed:

2022-06-27 14:51:30

Review the CloudFront cache settings if the time appears 'frozen'.

d2t7e9f0sk1i97.cloudfront.net



Hello World!

This should display the current time in UTC whenever page is refreshed:

2022-06-27 14:51:30

Review the CloudFront cache settings if the time appears 'frozen'.

Elements Console Sources Network Performance

Filter ☐ Invert ☐ Hide data URLs

All Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest Other

☐ Has blocked cookies ☐ Blocked Requests ☐ 3rd-party requests

20 ms 40 ms 60 ms 80 ms 100 ms

Name	Headers	Preview	Response	Initiator	Timing
d2t7e9f0sk1i97.cloudfront.net	age: 173				
nyancat.svg	content-type: image/svg+xml date: Mon, 27 Jun 2022 14:51:30 GMT server: BaseHTTP/0.6 Python/3.6.9 via: 1.1 85716baaf673552a8010af278e2cf292.cloudfront.net (CloudFront) x-amz-cf-id: YITw0mWRQQqfInKJ4ZTCp98vv0S7uCH9vY7NETj0UQ9#hubzJixBA== x-amz-cf-pop: BOM50-C1 x-cache: hit from cloudfront				

Request Headers

authority: d2t7e9f0sk1i97.cloudfront.net
method: GET
path: /images/nyancat.svg
scheme: https

2 requests 5.8 kB transferred