Amazon CloudFront

Peering and Interconnection

PACNOG

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Table of contents

- What is CloudFront?

- Amazon Locations

- What is Peering?

- Amazon Peering

- Peering Locations

- How to Request Peering

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CloudFront

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds

- Hosts websites
- Gaming
- Software Distribution
- Live sports
- Music
- Twitch
- Amazon Prime

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CloudFront

Globally Scaled Network for Fast Content Delivery

Amazon CloudFront is massively scaled and globally distributed. The CloudFront network has 225+ points of presence (PoPs) that are interconnected via the AWS backbone delivering ultra-low latency performance and high availability.

The AWS backbone is a private network built on a global, fully redundant, parallel 100 GbE metro fiber network linked via trans-oceanic cables across the Atlantic, Pacific, and Indian Oceans, as well as, the Mediterranean, Red Sea, and South China Seas.

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Amazon Locations

Edge Locations

Multiple Edge Locations

Regional Edge Caches

aws
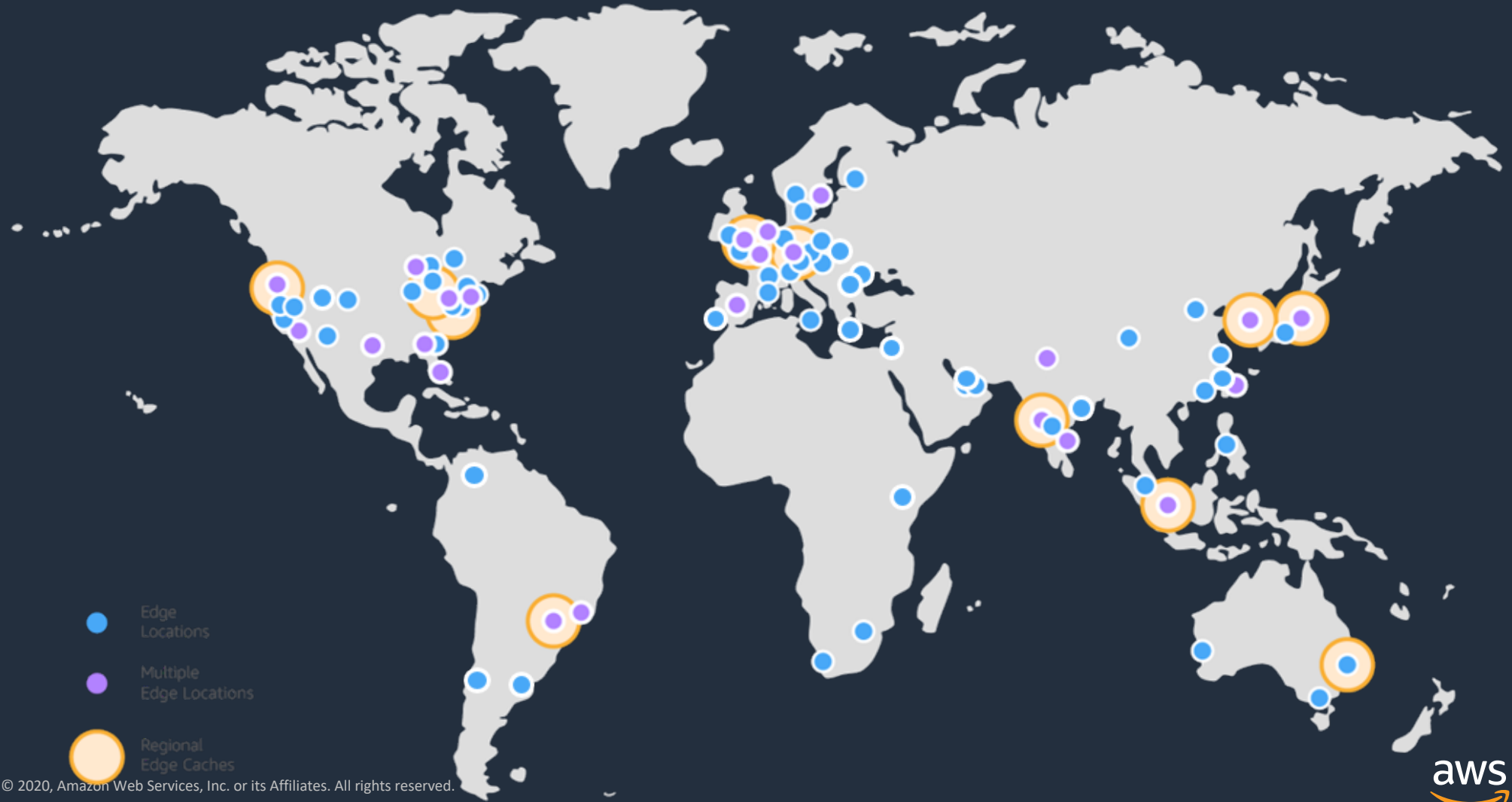
Small Sample Of CloudFront Customers

hulu

Hulu uses Amazon CloudFront for its VOD delivery. Learn more. »

prime video

Amazon Prime Video uses Amazon CloudFront to deliver solid streaming experience to more than 18 million football fans. Learn more. »

king

King uses CloudFront to deliver game content to a global user base. Learn more. »

slack

Slack Uses Amazon CloudFront for secure API acceleration. Learn more. »

ROVIO

Rovio uses the CDN for reduced latencies from around the globe for API calls. Learn more. »

Discovery COMMUNICATIONS

Discovery uses Amazon CloudFront for static, dynamic and API delivery. Learn more. »

Canon

Canon uses the CDN to enable better user experience. Learn more. »

DOW JONES

Dow Jones uses Amazon's CDN to manage spikes in traffic and security. Learn more. »

SUPERCELL

Supercell uses Amazon CloudFront to deliver dynamic web content around the world, using edge locations for improved latency. Learn more. »

M6 WEB

"We selected Amazon CloudFront for the superior performances in terms of video start time, throughput, and the lower rebuffering rate." Yann Verry, System and Network Manager at Groupe M6. Learn more. »

7

Seven Networks used Amazon' Content Delivery Network (CDN) for the live video streaming of the Australian Open to millions. Learn more. >>

CONDÉ NAST

'Like the famous song says, CloudFront is "Harder, Better, Faster, Stronger"! Marco Vigano, Digital CTO at Condé Nast Italia. Learn more. »

mlbam

Amazon CloudFront delivers a scalable solution to serve up the APIs. Learn more. »

BANDAI NAMCO

Bandai Namco uses Amazon CloudFront as its Content Delivery Network (CDN). Learn more. »
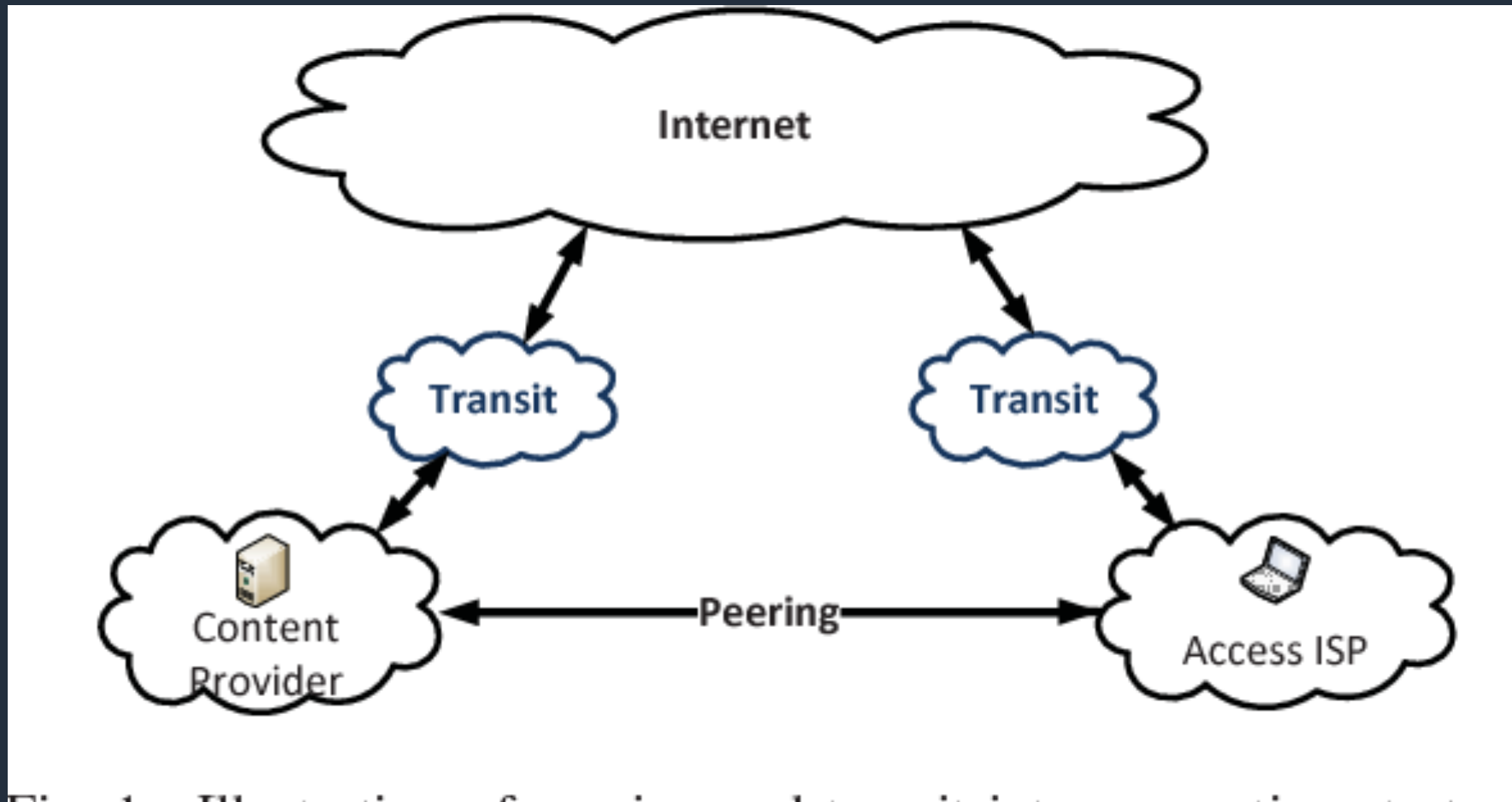
PBS

PBS uses Amazon CloudFront for its video streaming. Learn more. »

Nextdoor

The startup uses Amazon CloudFront for fast content delivery and for fast software builds deployments. Learn more. »

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So what is Peering?

Amazon Peering

- Amazon - ASN 16509

- Direct connection to Amazon Content

- CloudFront traffic, public EC2 and S3 traffic

- Avoids the use of transit providers – better latency and control of traffic

- Available in common location

- Over direct connection (PNI) or through an Internet Exchange (IX)

- Heavy outbound traffic

- Must have PeeringDb.com record

- https://aws.amazon.com/peering/policy/

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Peering Locations

- 225+ POP's globally

- Private Peering;
  - ➢ PNI available at Equinix and Global Switch (>1G of traffic needed)
  - ➢ Auckland PNI at Datacom Orbit Drive (>1G of traffic needed)

- Public Peering
  - ➢ AKL-IX
  - ➢ Equinix IX
  - ➢ IX Australia
  - ➢ Mega IX

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PeeringDB

Search here for a network, IX, or facility.

Advanced Search

jbateman

Amazon.com `Diamond Sponsor`

Edit

Organization	Amazon.com
Also Known As	Amazon Web Services
Company Website	http://www.amazon.com
ASN	16509
IRR as-set/route-set ❓	AS-AMAZON
Route Server URL	
Looking Glass URL	
Network Type	Enterprise
IPv4 Prefixes ❓	5000
IPv6 Prefixes ❓	2000
Traffic Levels	Not Disclosed
Traffic Ratios	Balanced
Geographic Scope	Global
Protocols Supported	☑ Unicast IPv4 ◯ Multicast ☑ IPv6 ◯ Never via route servers ❓
Last Updated	2020-09-03T23:46:05Z
Notes ❓	If you have a connectivity issue to Amazon then please visit: • IPv4: http://ec2-reachability.amazonaws.com/ • IPv6: http://ipv6.ec2-reachability.amazonaws.com/ And include detail on prefixes you think you have a problem with if you contact our Ops alias. This will reduce

Some exchanges suggest updates to your entries in their peering list.

Review suggestions

You have dismissed some suggestions that are still available. Reset Suggestions

Public Peering Exchange Points

Filter

Exchange ↓ᴬᶻ ASN	IPv4 IPv6	Speed RS Peer
AKL-IX (Auckland NZ) 16509	43.243.21.113 2001:7fa:11:6:0:407d:0:2	100G ◯
AKL-IX (Auckland NZ) 16509	43.243.21.112 2001:7fa:11:6:0:407d:0:1	100G ◯
AMS-IX 16509	80.249.210.100 2001:7f8:1::a501:6509:1	400G ◯
AMS-IX 16509	80.249.210.217 2001:7f8:1::a501:6509:2	400G ◯
AMS-IX Chicago 16509	206.108.115.36 2001:504:38:1:0:a501:6509:1	100G ◯
AMS-IX Hong Kong 16509	103.247.139.10 2001:df0:296::a501:6509:1	100G ◯
AMS-IX India 16509	223.31.200.29 2001:e48:44:100b:0:a501:6509:2	10G ◯
AMS-IX India	223.31.200.30	10G

Contact AWS

To initiate peering;

Peering@amazon.com

For peering faults;

Peering-to@amazon.com

Reach out to me anytime!

Jocelyn Bateman

jobate@amazon.com

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