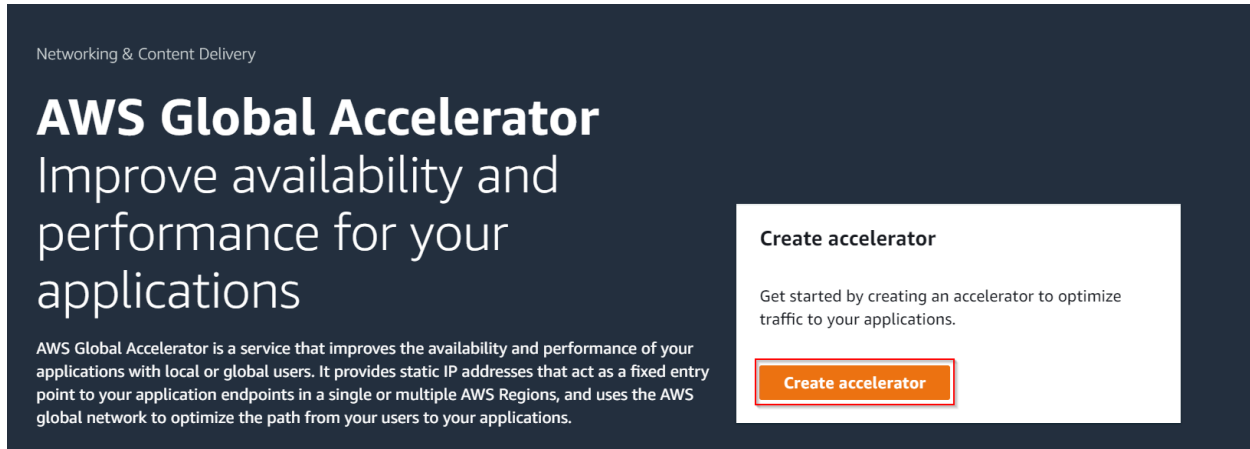


Module 10: Hands-On - Creating a Global Accelerator

Step 1: Open the Global Accelerator console and click on Create Accelerator



Networking & Content Delivery

AWS Global Accelerator

Improve availability and performance for your applications

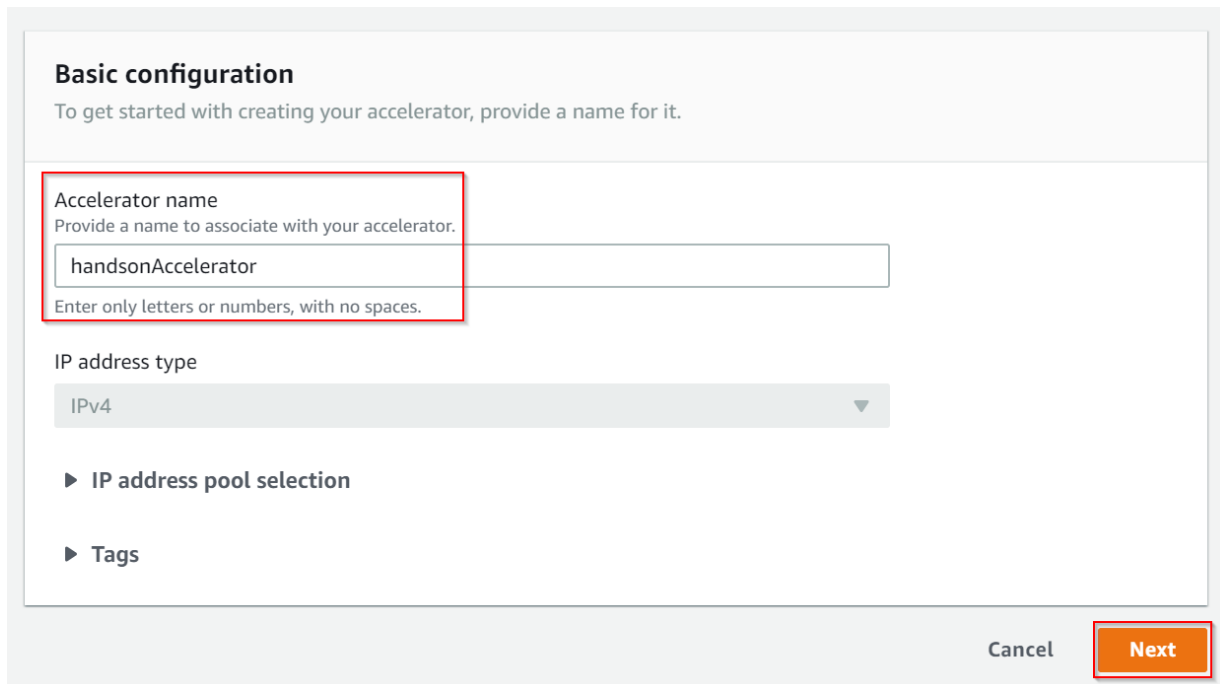
AWS Global Accelerator is a service that improves the availability and performance of your applications with local or global users. It provides static IP addresses that act as a fixed entry point to your application endpoints in a single or multiple AWS Regions, and uses the AWS global network to optimize the path from your users to your applications.

Create accelerator

Get started by creating an accelerator to optimize traffic to your applications.

Create accelerator

Step 2: Give a name for the Accelerator and click next



Basic configuration

To get started with creating your accelerator, provide a name for it.

Accelerator name
Provide a name to associate with your accelerator.

handsonAccelerator

Enter only letters or numbers, with no spaces.

IP address type

IPv4

► IP address pool selection

► Tags

Cancel Next

Step 3: Add a listener for the port number of your webserver

Add listeners

A listener is a process that checks for connection requests that arrive to an assigned set of static IP addresses on a port or port range that you specify.

Listeners
You designate a listener by choosing a specific port or port range to listen on.

Ports [Info](#)

Use commas to separate port numbers or ranges.

Protocol [Info](#)

Client affinity [Info](#)

Step 4: Choose the region which has your instances or your load balancers

Add endpoint groups

An accelerator includes one or more listeners that direct traffic to one or more endpoint groups. An endpoint group includes endpoints, such as load balancers.

Listener: 80, 443 TCP
Each listener can have multiple endpoint groups. Each endpoint group can only include endpoints that are in one Region. You aren't required to add an endpoint group, but until you do, traffic to this listener won't reach any endpoints.

Region [Info](#)

Traffic dial [Info](#)

A number from 0 to 100.

Step 5: Choose all your endpoints. Here two EC2 instances are added as the endpoint. Once you have added the Endpoints, click on Create accelerator.

▼ Endpoint group: us-east-1
Traffic dial: 100%

Endpoint type [Info](#) Endpoint [Info](#) Weight [Info](#)

EC2 instance ▼ i-0ce54208e0912b4ae ▼ 55 Remove

Preserve client IP address [Info](#)

Global Accelerator preserves the client IP address for internet-facing Application Load Balancers unless you clear the check box to disable the feature. All internal Application Load Balancers and EC2 instances automatically preserve the client IP address. Make sure that your endpoints are configured to accept traffic from the preserved client IP addresses.

☒ Preserve client IP address

EC2 instance ▼ i-00f525d6fea87c160 ▼ 200 Remove

A number from 0 to 255.

☒ Preserve client IP address

Add endpoint

Cancel Previous Create accelerator

Step 6: Here you have received 2 static IP address and a DNS name which you can use to access all the endpoints.

AWS Global Accelerator > Accelerators

i Access AWS Global Accelerator from any AWS Region

Accelerators (1)						
	Name ▼	Static IP addresses	Enabled	DNS name	Status	Edited ▼
<input type="radio"/>	handsonAccelerator	75.2.55.124, 99.83.220.182	On	aaaaf882f05cb3b2f.awsglobalaccelerator.com	Deployed	Tuesday, March 31, 2020 11:29 AM GMT

Step 7: For example, here I have used the static IP address to access one website from a server.

