Global Accelerator

Applications hosted using AWS often have to serve information to users and clients quite far from their geographical data center locations, resulting often in considerable latency and less-than-desirable data transfer speeds.

AWS however, as mentioned before, has an entire global network of infrastructure at its disposal. AWS Global Accelerator is a service designed to take advantage of said infrastructure in order to reduce latency and improve data transfer speeds. It also provides the applications using it with features such as automatic failover, helping it ensuring higher availability and reliability alongside faster loading and operating times.

This makes it an excellent fit for non-HTTP use cases such as gaming (UDP), IoT, and Voice over IP, where low latency and fast data transfer are critical. In fact, there are many use cases where the utilization of Global Accelerator is basically a pre-requisite such as the updating of financial boards and various IoT applications.

That does not however mean that the service is only meant for non-HTTP applications, and can enhance the connections for HTTP applications by providing a more consistent and reliable experience as well.