transparent edge

Press
Dossier

01

What is Transparent Edge?

We are a European edge computing company that works to improve the Internet-defined world.

Our content delivery network (CDN) is what makes us exceptional. That's because it's the only Spanish commercial CDN and the only real alternative to American CDNs in Europe.

Our CDN was born in 2011, so in other words, we're not new to the world of Internet infrastructure. Later we'll explain in detail what exactly a CDN is.

In addition to the CDN, we have a team specialized in high-availability web systems and cybersecurity that provides services at the origin.

We also configure systems to ensure the CDN can run at full capacity.

No other edge computing company can say the same.

EUROPEAN DNA

Transparent Edge contributes to European technological independence in the highly important area of basic Internet infrastructure. We believe that Europe has sufficient high-quality alternatives to the technology options from other parts of the world. We work to drive the European tech sector on its way to becoming a global leader.

Transparent Edge is a founding member of the Spanish **Gaia-X** association, a public-private non-profit initiative to build a shared European infrastructure for data and cloud computing that promotes European sovereignty.

02

What is a CDN?

Content delivery network

A CDN lets users visit a website or use a streaming service from anywhere in the world, quickly and securely. CDN stands for content delivery network. It is a network of globally distributed nodes through which Internet traffic is directed and distributed.

A CDN's nodes cache copies of the content that's on a central server, like an online newspaper, for instance. When a user requests that content—or in other words, when they enter the web address into their browser—the CDN makes sure they receive a copy from the closest node to their location.

By reducing the distance the content has to travel, the CDN reduces latencies (delays) and bandwidth consumption, making the download faster.

For example, a CDN makes it possible to instantly download your favorite newspaper whether you're in Madrid or in Tokyo. And it prevents the dreaded buffering when you're watching a movie or a TV show on a streaming platform, even if the server is in the US and you're at home in Barcelona.
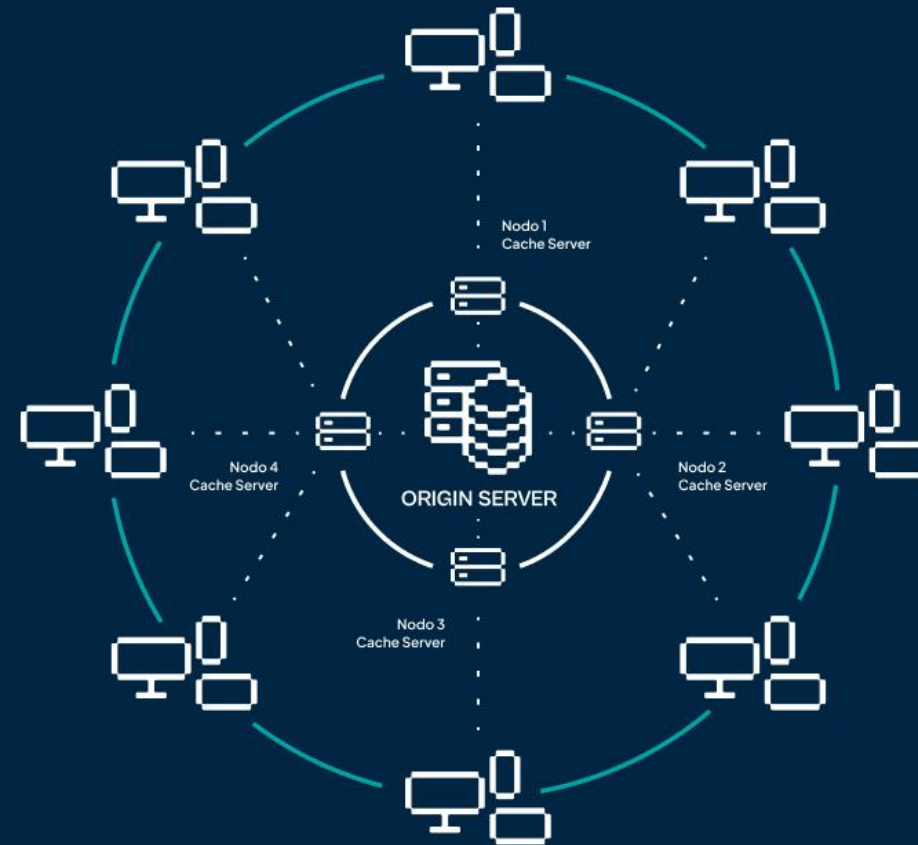
This is how Transparent Edge's CDN works

Our globally distributed network of edge nodes replicates and caches the multimedia content of our clients' origin servers, moving part of the application logic to the edge.

That content is delivered to users from the location closest to the device they're using to connect to the Internet.

The process accelerates downloading and reduces latency and bandwidth consumption.

Nodo 1
Cache Server

Nodo 4
Cache Server

ORIGIN SERVER

Nodo 2
Cache Server

Nodo 3
Cache Server

Globally distributed infrastructure

A comparison will help give a better understanding of what a CDN is. Putting a newspaper edition together on paper at the press takes a great deal of effort. But once it's laid out, all the newspapers that get delivered to readers are just a copy of it.

In this analogy, a CDN would be the network of local newsstands that allow readers to get the newspaper near home without having to go back to the press for a new printed copy.

The Internet defines the world we live in. Every day we attend videoconference meetings, read the newspaper on our computers, watch TV shows on our tablets, shop online, do mobile banking on our phones, etc.

Every one of those examples involves data traveling on the network and content that has to be delivered to its destination as quickly and securely as possible. The more devices that are connected, the more data and traffic that's generated. **A CDN delivers any content that can be converted into data.**

Globally distributed infrastructure

+50 PoPs in over 30 countries

3 PoPs in Spain

Transparent Edge's CDN has more than 50 powerful PoPs (points of presence) strategically distributed in over 30 countries worldwide, to bring content closer to its clients and optimize their experience.

It's the only CDN with three PoPs in Spain.

More than 2,000 websites use Transparent Edge's CDN. Some of our clients include RTVE, TV3, El Confidencial, Axel Springer, Newtral, El Español, the Spanish Cancer Association, and LaLiga, to name just a few.

First line of defense

A CDN acts as the origin server's first line of defense. It sits between the origin server and the end users, so any possible attacks are directed against it and not against the server. In fact, CDNs are excellent tools for stopping the infamous **DDoS** attacks (distributed denial-of-service), which work by generating traffic from many sites at the same time in order to overwhelm a website's capacity to manage multiple requests.

03

The history of Transparent Edge's CDN

TRANSPARENT EDGE'S FOUNDERS WERE SYSTEMS ADMINISTRATORS WITH DEEP EXPERIENCE WORKING WITH AMERICAN CDNS. THEY CREATED THE CDN THEY WOULD HAVE LIKED TO HAVE HAD AS CLIENTS.

Our story

Transparent Edge's CDN is a result of the entrepreneurship of the company's two founders —**Jorge Román** and **Fermín Manzanedo**— who are now the CEO and Director of Operations. As systems administrators, they had spent years at large European communication groups, where they used the big American CDNs to distribute the traffic received by the websites.

They were well-versed in the technology and noticed that it was expensive for smaller companies and not very accessible for those lacking in expertise. There was a need for something simpler and cheaper, but still high quality. So together they build the CDN that they would have liked to have had.

A CDN against the digital divide

For a long time, CDNs were reserved for a very specific type of company: the ones that could afford the level of service provided by the big American CDNs that were founded in the 1990s when Internet access went mainstream.

Later, another type of CDN emerged that was focused on a more self-sufficient segment of the market. These CDNs are very cheap because —and this is where it can often get problematic— they are managed by clients without a support team at their service.

This situation creates a digital divide between organizations, because either they can't afford to pay for a CDN that comes with support or they need a high level of internal expertise to be able to opt for the cheaper options that don't. Many companies don't fit into either category and get left by the wayside.

Jorge Román and Fermín Manzanedo created their CDN for those companies in particular.

Other information about Transparent Edge

SPANISH TECHNOLOGY

Transparent Edge is the result of the 2021 merger of three Spanish technologies with years of experience at their backs. The first, founded in 2008, specialized in the technology strategy of web platforms in distributed environments. The second was launched in 2014 around the only Spanish CDN on the market. And the third, specialized in cybersecurity, was born in 2018.

HOW WE WORK

Transparent Edge works as a team, with trust as its foundation. We have developed a culture of collaboration and transparency in which management is in direct and continuous contact with the rest of the company. Pro-activeness is one of our pillars and we encourage our team to make everyday decisions based on common objectives. Successes and failures are shared and our commitment is reflected in customer satisfaction.

WORK-LIFE BALANCE AND FLEXIBILITY

Every team member decides how they want to work: 100% remote, 100% in the office, or a mix of the two. And since teleworking is an option, we let people choose to work from any city they want. We don't take location into account when we're hiring. And people who decide to telework from home or from outside Madrid —where our headquarters are located— earn the same as they would otherwise.

04

We help journalists

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OUR COMMITMENT TO THE MEDIA

As the only Spanish CDN on the market and a European alternative to American CDNs, at Transparent Edge we have a lot to say.

Plus, we are aware of the central role the Internet now plays in every aspect of our daily lives: technological, social, economic, political, etc., and of the need to keep society very well-informed.

Few people understand the Internet and its essential infrastructures as well as we do. That's why we always make our experts available to journalists. We want to help reach a better understanding of the redefined world that has been brought about by the evolution of the Network of networks.

CAN WE HELP YOU?

If you are a journalist, contact **Sara Barderas** in the Communication Department.

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www.transparentedge.eu