

## Transforming MCM through a solution to mitigate DDoS attacks

### BUSINESS ACTIVITIES

#### Telecommunication Services Provider



#### BUSINESS BACKGROUND

MCM used another reactive, slower, and more expensive solution to mitigate DDoS attacks.



#### SITUATION

Currently, the market demands greater security in its telecommunications services; in the case of Internet service, they require secure solutions at a competitive cost. MCM had a traditional technological solution with a reactive Scrubbing Center service that was very slow and generated additional costs.

### INTRODUCTION

MCM is a pioneer in telecommunications solutions in Mexico with more than 25 years of experience, creating corporate telecommunications networks and services to help Mexican companies drive the digital transformation of their operations. It also has an advanced fiber optic network in the central business areas of Mexico City, Monterrey, and Guadalajara.



#### CHALLENGES

Create a solution that includes several levels of service and reduced costs.

## What needed to be resolved?

- Implement a flexible, multi-tenant, and redirection-free Clean Pipe (DDoS security service) solution outside the MCM network.

### WHY?

To help monitor incoming requests to the network to determine which requests are genuine and block those that are not. In this way, a cyber attack can be prevented.



# What were the main limitations?

- The difficulty of transferring an existing service to a new, customized service.

## SOLUTION

Implementation of a Juniper DDoS Attack Mitigation Solution - Corero

## How did Beyond Technology help?

- We create a customized service so that MCM can provide the service its customers demand.

## What were the results?

- A network protected from DDoS attacks, and MCM evaluated us with an average of 9.3 out of 10 points, based on criteria such as implementation and response time, operating cost optimization, product reliability, security, scalability, and integration with enterprise systems.

## How was the company transformed?

- ✓ Thanks to the Juniper - Corero solution's implementation, more than 98% of DDoS attacks are automatically stopped, improving network availability. In addition, service interruption to customer operations is avoided.

## What was the overall experience of the Beyond Technology team?

- Like all our projects, it was very challenging, but meeting our clients' expectations and continuing to provide excellent service was the main objective.

## CONCLUSION

Now on average, 85% of DDoS attacks last less than 10 minutes as attackers attempt to bypass DDoS mitigation. So the goal of properly protecting MCM's network from a distributed denial of service (DDoS) attack was met.

## OTHER COMMENTS

“ We have been working with Beyond Technology for many years. Their team is characterized by providing support and follow-up regarding the needs and challenges that the market poses. ”

- Armando Hernandez Razo, Operations Manager of MCM.