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# Initiatives in the Americas and in Latin America & the Caribbean

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# The Americas



Source:

[https://es.m.wikipedia.org/wiki/Archivo:Flag-map\\_of\\_the\\_americas.png](https://es.m.wikipedia.org/wiki/Archivo:Flag-map_of_the_americas.png)

# Latin America & the Caribbean



Source:

[https://en.wikipedia.org/wiki/Latin\\_America\\_and\\_the\\_Caribbean](https://en.wikipedia.org/wiki/Latin_America_and_the_Caribbean)  
[https://en.m.wikipedia.org/wiki/File:Map-Latin\\_America\\_and\\_Caribbean.png](https://en.m.wikipedia.org/wiki/File:Map-Latin_America_and_Caribbean.png)

Some accronyms

**LATAM – Latin America**

*“Latin” speaking countries  
(Portuguese, Spanish and French)*

**LAC – Latin America & the Caribbean**

LATAM + Caribbean  
+ Suriname and Guiana

**LACNIC**

The Latin American and Caribbean  
Internet Addresses Registry

## OAS: CSIRT Americas

*“Network of **Government** Cyber Incident Response Teams (CSIRT) of the Member States of the Organization of American States (OAS)”* – <https://csirtamericas.org/en/home>

- Formal
- Teams appointed officially by the governments
- 22 countries from the region
- Maintained by Inter-American Committee against Terrorism (CICTE) of the Organization of American States (OAS)

## LACNIC: LAC-CSIRTs

A space where teams from the LAC Region can meet and create trusted relationships

- Informal
- 2 meetings a year, during the LACNIC Conferences
  - Technical presentations and trainings
  - Once a year it is co-located with the FIRST Regional Symposium for the Latin America & the Caribbean
  - regular participation of APWG and M<sup>3</sup>AAWG
- LACNIC provides
  - meeting space and additional support for meetings
  - mailing list

# Initiatives in Brazil

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# Brazilian Internet in Numbers

## Internet Users

**156 million** citizens use the Internet daily

- 58% have access only via smartphones
- 51% conduct financial transactions online

Source:

<https://cetic.br/pt/pesquisa/domicilios/indicadores/>

## Internet Service Providers (ISPs)

**11.630** ISPs (estimated)

Source:

<https://www.cetic.br/pt/pesquisa/provedores/indicadores/>

## Domains under the ccTLD <.br>

**5.274.576** registered domains

- 1.593.130 with DNSSEC

Source:

<https://registro.br/dominio/estatisticas/>

## Autonomous System Numbers (ASNs)

**8959** ASNs

- 2nd in the world (1st is USA)
- **67%** of the ASNs in Latin America and Caribbean
- **63%** of IPv4 and **69%** of IPv6 in the region

Source:

<https://www.lacnic.net/en/web/lacnic/estadisticas-asignacion>  
<https://pulse.internetsociety.org/blog/where-are-the-internet-networks>

## Internet Exchange – IX.br

São Paulo PIX is the biggest in the world

- **2718** participants
- **21Tbps** peak traffic
- **11Tbps** average traffic

Source:

<https://ix.br/trafego/agregado/sp>

Data updated on February 28, 2024

# Regulatory Developments Related to Incident Management

Two major drivers for organizations to invest in creating a CSIRT

- Data Protection Law, in effect since 2020
  - Requires an incident response plan and a formal incident report in case of data breach
- Presidential decree creating the National Incident Management Network (Regic)
  - Applies to the Critical Infrastructure Sector
  - Regulators must create a Sector CSIRT
  - Regulated organizations must have a CSIRT
  - Sectors must implement information sharing mechanisms
    - Telecom and Financial Sectors formalized the use of MISF

## National Cybersecurity Council

- Created at the end of 2023
- Will oversee
  - the National Cybersecurity Strategy
  - the National Cybersecurity Agency (Regulatory Agency – Bill proposal in Congress)

# CERT.br Initiatives to Improve Maturity and Foster Cooperation

## Community Building

- Annual National CSIRTs Forum – since 2012
  - 444 attendees in 2023
  - 112 attendees in the SIM3 Tutorial
- Annual MISP Workshop – since 2019
  - Training from CERT.br
  - Cases studies from the community
- Communication facilitation
  - MatterMost channels and Mailing lists for different communities

## Training

- 20 years delivering SEI/CMU CERT Courses
  - 2400+ professionals trained

## CSIRT Maturity, aka SIM3 :-)

- 2 Auditors trained
- Goal: evolve our current list of CSIRTs into a model more similar to a “*TI-like*” model  
<https://cert.br/csirts/brazil/>
- Use SIM3 profiles for Accreditation / Certification



# Thank You

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