Webinar: Cybersecurity Capacity Building for the 4th Industrial Revolution – what are the core elements?

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The thoughts and opinions expressed during this presentation do not necessarily reflect those of the OAS' member states

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Cyberattacks

- Cybercrime- as-a-service is a growing business model, and IoT has amplified the potential cyberattack surface (e.g. energy saving IoT devices in homes).

- An estimated amount of over 21 billion IoT devices worldwide, and their number will double by 2025.
- Attacks on IoT devices increased by more than 300% in the first half of 2019, while in September 2019, IoTs were used to take down Wikipedia through classic distributed denial of service (DDoS) attacks

- As the number of Internet-connected devices continues to increase, more networks will be sharing increased amounts of personal or sensitive data. Cisco estimates show that the average person will own at least 15 connected devices by the year 2030 and that the number of Internet-connected devices will be more than three times the global population by 2023 (National Cybersecurity Alliance)

The Current Landscape

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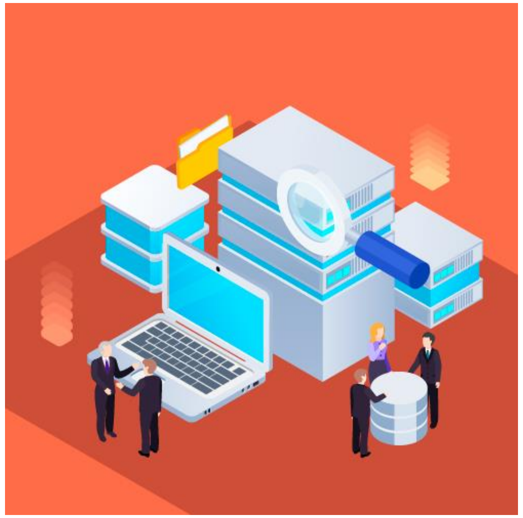
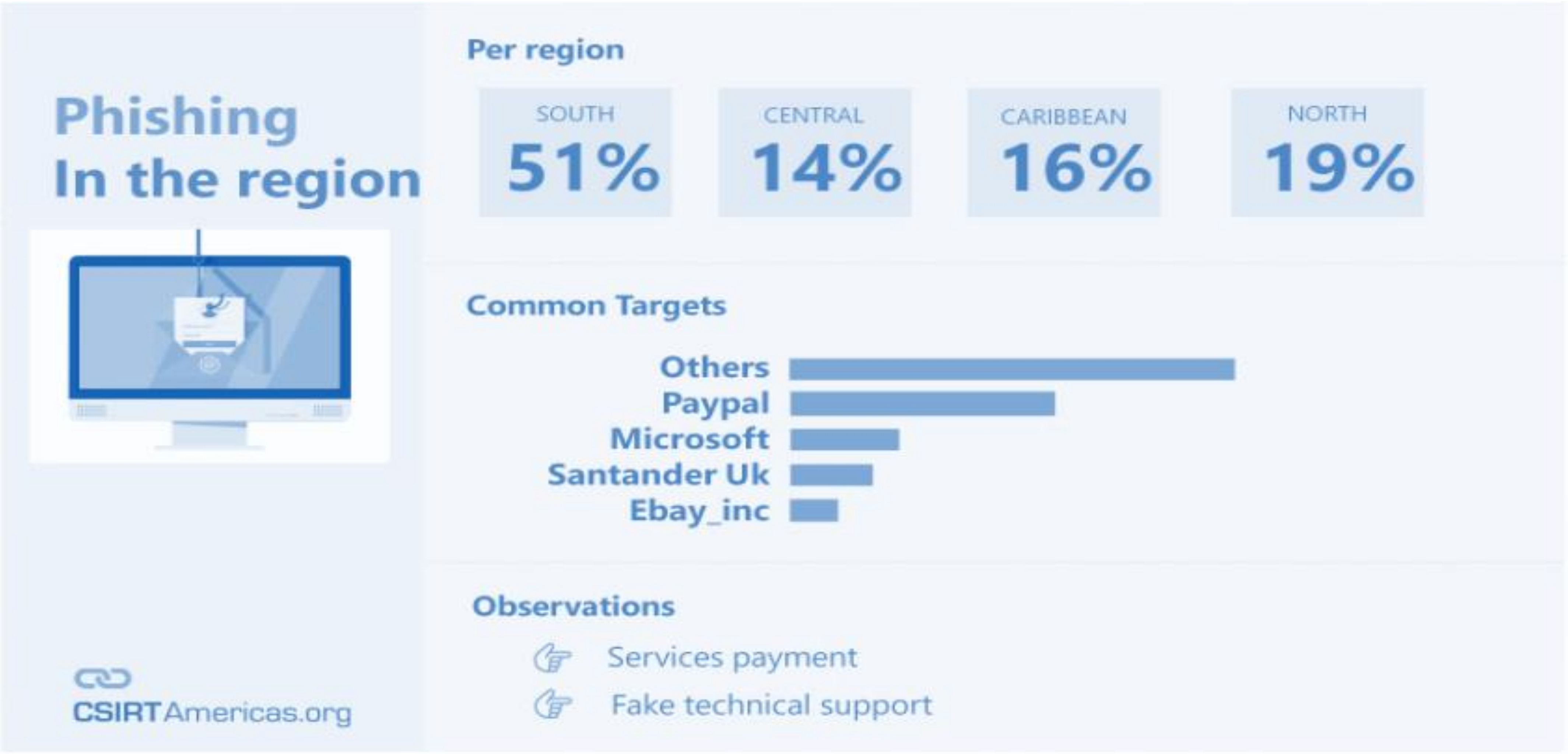
DATA

WORK


RELATIONSHIPS

CYBERSECURITY

CSIRTsAmericas.org



Phishing In the region

Per region

SOUTH	CENTRAL	CARIBBEAN	NORTH
51%	14%	16%	19%

Common Targets

Observations

- Services payment
- Fake technical support

CSIRTAmericas.org

COVID-19 Other challenges

Other general observations in implementing measures to add COVID-19:

Increased use of GPS location for contact-tracing

It would also be useful for countries who have employed surveillance techniques to sign a code of practice to ensure that data analysis has sufficient oversight

Increased online mis/disinformation

Online scams, ransomware attacks

and phishing email schemes have proliferated in Latin America amid the coronavirus pandemic

Why is the use of the Internet

for criminal purposes a challenge for LAC

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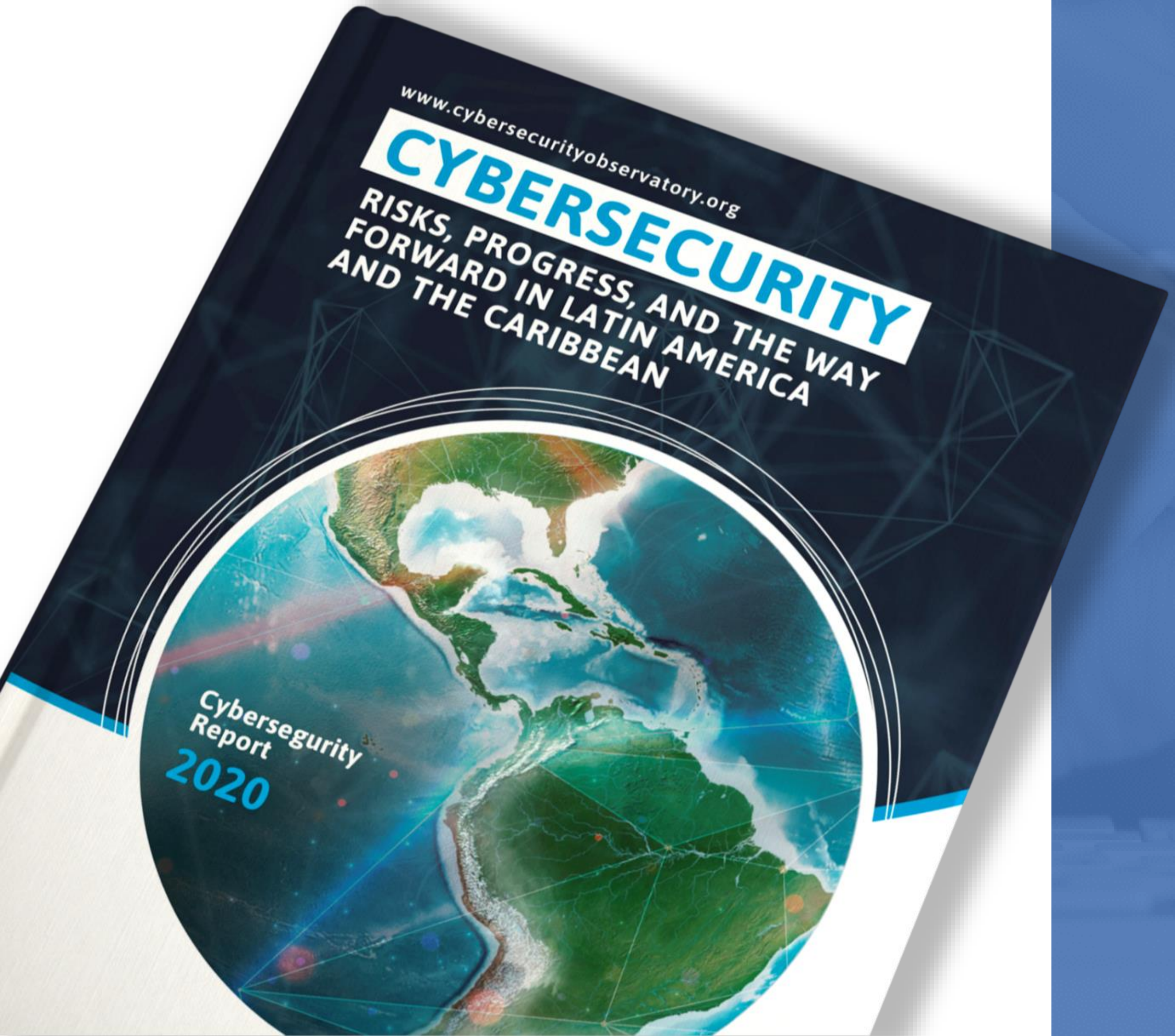
- There are few coordinated cyber incident response mechanisms including defense- many of our member states are only now developing national CSIRTs (approximately 23 national CSIRTs at varying levels of maturity and functionality)
- Low level of Public Awareness on safety online at a national level
- Low levels of public-private collaboration and trust on cybersecurity issues including information sharing whether formal or informal

IDB
Improving lives

OAS
More rights
for more people



www.cybersecurityobservatory.org

CYBERSECURITY

RISKS, PROGRESS, AND THE WAY FORWARD IN LATIN AMERICA AND THE CARIBBEAN

Cybersegurity Report
2020

Second report on the state of cybersecurity in 32 countries in Latin America and the Caribbean, published by the OAS and the IDB.

Comprehensive analysis of the hemisphere's cybersecurity capabilities using the Cybersecurity Capability Maturity Model (CMM) Methodology of the Global Cybersecurity Capability Center (GSCC) at the University of Oxford.

2020 Report

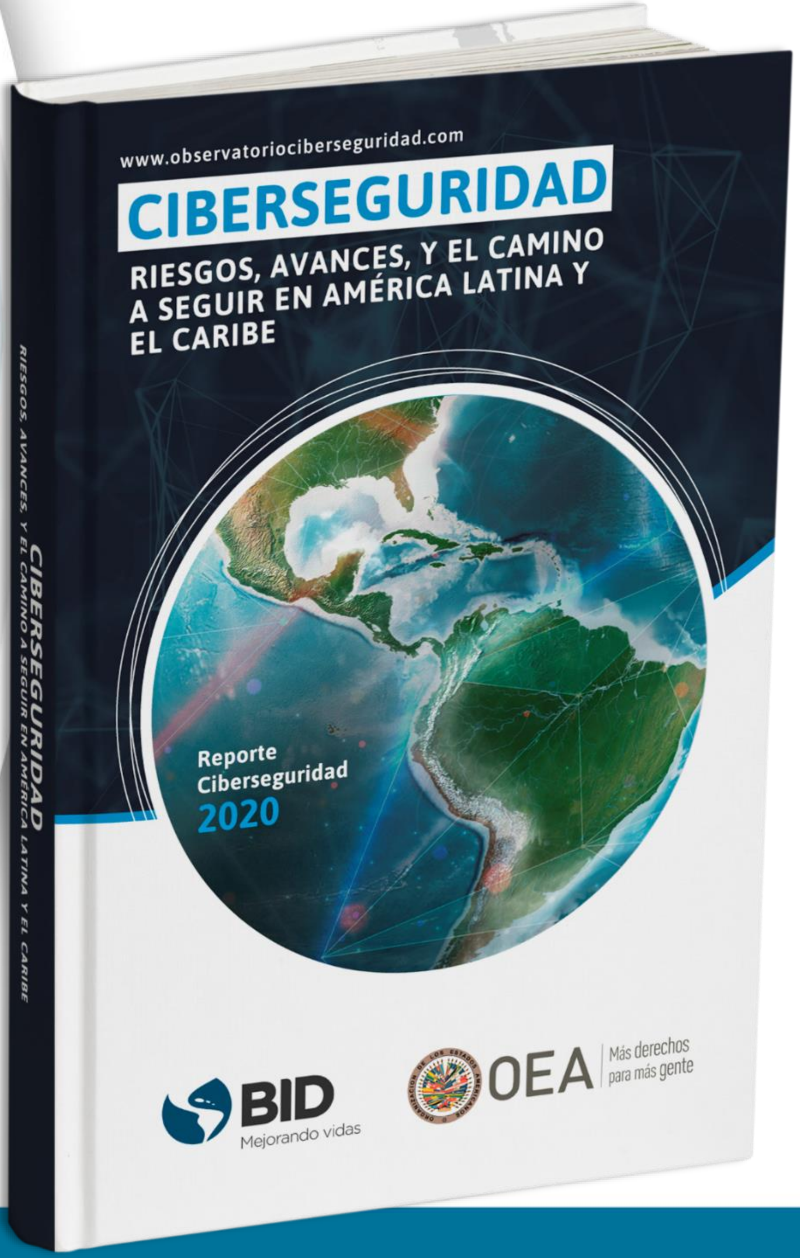
CYBERSECURITY

Risks, Progress, and the way forward in
Latin America and the Caribbean

17 out of **32** **countries** have promoted public policies and initiatives to strengthen cybersecurity

In 2016, only **6** **countries** had developed national cybersecurity strategies, **today there are** **13** **countries**

Over **17** **countries** in the region has legislation that protects privacy of data of individuals (including Antigua and Barbuda, Argentina, Brazil, Chile, Colombia, Mexico, etc.)


www.observatoriociberseguridad.com
CIBERSEGURIDAD
RIESGOS, AVANCES, Y EL CAMINO A SEGUIR EN AMÉRICA LATINA Y EL CARIBE
Reporte Ciberseguridad 2020
BID
Mejorando vidas
OEA
Más derechos para más gente
CIBERSEGURIDAD
RIESGOS, AVANCES, Y EL CAMINO A SEGUIR EN AMÉRICA LATINA Y EL CARIBE

The Way Forward

Encourage the development and continuous updating of national cybersecurity strategies.

A national cybersecurity strategy is essential to provide a legislative framework as well as coordinate national efforts to establish holistic cybersecurity.

Encourage the discussion and participation of countries in international processes such as the UNGGE and OEWG.

Provide regional cooperation measures and the exchange of good practices through the OAS and other subregional forums.

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Cybersecurity Program
3 pillars

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Policy Development

- National Policies or Strategies
- CBMs in cyberspace
- National assessments

Capacity Building

- CSIRT Americas
- Law enforcement and incident response training
- Cyber exercises
- Workforce development

Research

- Technical documents
- Gender initiatives
- Awareness
- Associations
- Youth programs

Development of Strategies

Approved National Cybersecurity Strategies

Colombia
(2011-2016)

Trinidad and Tobago
2013

Costa Rica
2017

Chile
2017

República Dominicana
2018

Panamá
2013

Jamaica
2015

Paraguay
2017

México
2017

Guatemala
2018

☑ 2018, 2019 y 2020

Brazil
2018

Argentina
2019

Belize
2020

National Cybersecurity Strategies
In progress

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Perú

Ecuador

Colombia

Barbados

Guyana

Jamaica
(under revis

8

member states
requested assistance in developing
their strategies or preparing an
implementation plan for 2019-2020

Accomplishments

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Cybersecurity Program 2004-2020

Cyber
Más derechos para más gente

+30,000

Benefitted from the CICTE Cybersecurity Program

Webinars in 2019 and 2020

+10,000

Participants in cybersecurity webinars in 2019-2020

Cybersecurity capacity building impact from 2014-2016

90%

Officials trained from 2014 to 2016 used the knowledge and skills acquired in the activities of the OAS / CICTE Cybersecurity Program.

Trainings to date

+3,550

Public and private officials trained in critical infrastructure protection, response to cyber incidents and measures to combat the use of the Internet for terrorist purposes.

Publications

Cyberspace Workshop

2014

TALLER SOBRE SEGURIDAD INTERNACIONAL Y DIPLOMACIA EN EL CIBERESPACIO

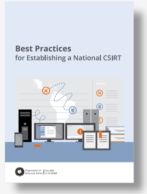
4

Toolkits Developed

2016

Cybersecurity Awareness Campaign Toolkit

2016


Best Practices for Establishing a National CSIRT

2019

CYBER-RISK OVERSIGHT HANDBOOK FOR CORPORATE BOARDS

2019

Media Literacy and Digital Security

2

National Reports

2017

IMPACTO DE LOS INCIDENTES DE SEGURIDAD DIGITAL

2020

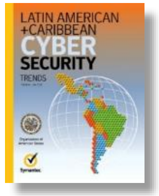
Cybersecurity Capacity Review

11

Regional Reports

2013

2014


LATIN AMERICAN +CARIBBEAN CYBER SECURITY TRENDS

2015

Report on Cybersecurity and Critical Infrastructure in the Americas

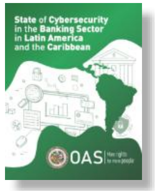
2016

Cybersecurity

2018

CRITICAL INFRASTRUCTURE PROTECTION IN LATIN AMERICA AND THE CARIBBEAN 2018

2018


State of Cybersecurity in the Banking Sector in Latin America and the Caribbean

2019

THE STATE OF CYBERSECURITY IN THE MEXICAN FINANCIAL SYSTEM

2019

DESAFÍOS DEL RIESGO CIBERNÉTICO

2020

CIBERSEGURIDAD

2020

Consideraciones de Ciberseguridad

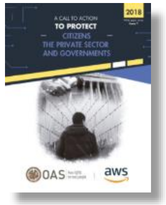
2020

Estado de la Ciberseguridad

8

White Papers

2018

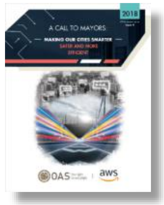

A CALL TO ACTION TO PROTECT CITIZENS

2018

GESTIÓN DEL RIESGO CIBERNÉTICO NACIONAL

2018

2018


A CALL TO MAYORS

2019

CYBERSECURITY NIST FRAMEWORK

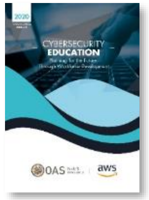
2019

DATA CLASSIFICATION

2019

COMBATING ONLINE VIOLENCE AGAINST WOMEN

2020


CYBERSECURITY EDUCATION

+5

In development

www.oas.org/es/sms/cicte/prog-ciberseguridad.asp

OAS/CISCO INNOVATION FUND FOR CYBERSECURITY PROJECTS

Scaling up a cybersecurity solution can be a great challenge, but also an opportunity to improve the industry in the Americas.

For this reason, the Organization of American States, Cisco and the Citi Foundation have created the Cybersecurity Innovation Fund to support and spread business initiatives in Latin America and the Caribbean and create the necessary workforce to fill cybersecurity related jobs in the region. (https://www.oas.org/en/sms/cicte/cybersecurity-innovation-fund/)

INNOVATION FUND FOR
CYBERSECURITY
PROJECTS
We offer?
Project financing based on results
Access to the OAS and Cisco's network for continuous training in cybersecurity
Expert training to boost your project
OAS
CISCO
Canada
citi

Cisco Networking Academy

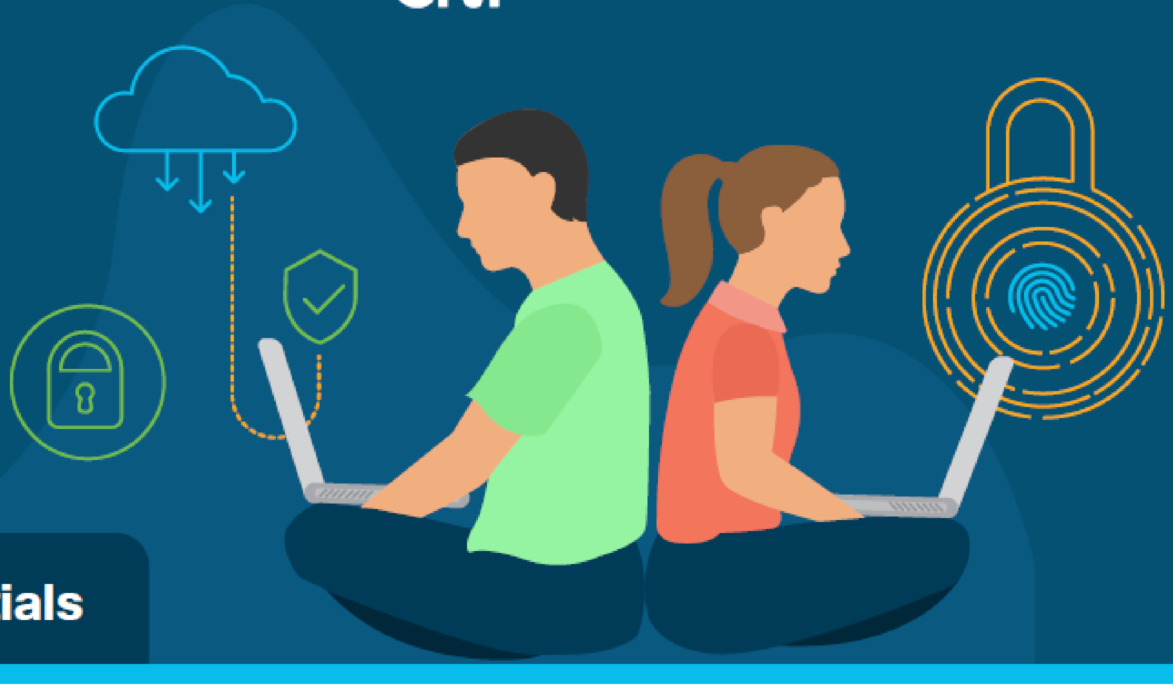
OEA Más derechos para más gente

Citi Foundation citi

Canada

Programa OEA- Cisco

Reporte de registros



Intro to Cybersecurity | **Cybersecurity Essentials**

Registros totales

16,780

Activos totales

9,378

Completos totales

3,693

A Call to Action

Adjust National frameworks

Improve international cooperation

Unify awareness raising efforts

Thank you!

Merci

Gracias

Obrigado

Kerry-Ann Barrett

Inter-American Committee against Terrorism
Organization of American States

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