Incident Response and Cyber Security in Brazil

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Overview

- Incident Response in Brazil

    - History
    - Awareness and Training

- Other initiatives

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- Additional Information

Incident Response in Brazil

History

- June/1997: NBSO/Brazilian CERT was created by The Brazilian Internet Steering Committee (CG-I.br) to respond to computer security incident reports and activity related to networks connected to the Brazilian Internet.

- August/1997: The Brazilian Research Network (RNP) created it's own CSIRT (CAIS), followed by the Rio Grande do Sul State that created the CERT-RS.

History (cont.)

- 1999: Other institutions including Universities and Telecommunication Companies announced their CSIRTs.

- 2000: NBSO started a CSIRT Development program based on speeches and meetings with key institutions.

- 2003: More than 20 CSIRTs formed. Started a CSIRT contact Directory at NBSO, available at: `http://www.nbso.nic.br/contact-br.html`

NBSO/Brazilian CERT

NBSO is a FIRST member. Services include:

- provide a focal point for reporting incidents related to Brazilian networks (.br and IPs assigned to Brazil);

- provide coordinated support in incident response;

- establish collaborative relationships (law enforcement, service providers, telephone companies, etc);

- increase security awareness and help new CSIRTs to establish their activities;

Awareness and Training

Some CG-I.br and NBSO activities:

- Development of best practices' documents;

- Two Conferences free of charge per year about:

    - Computer Security (GTS)

    - Network Engineering (GTER)

Awareness and Training (cont.)

NBSO is a Software Engineering Institute, Carnegie Mellon University Transition Partner and has licensed 2 CERT/CC courses to deliver in Brazil:

- Fundamentals of Incident Handling

- Advanced Incident Handling for Technical Staff

http://www.nbso.nic.br/cursos/

Other Initiatives

Government

In 2003 the Presidential Security Office (GSI) created task forces to discuss, among other subjects:

- A CERT for the Government;

- Internet Security Policies;

- Legislation;

- Use of Cryptography;

- Use of Free Software.

Law Enforcement

Ministry of Justice's Federal Police initiatives:

- 1995: first group of computer forensic experts was formed;

- 1996: a department dedicated to computer forensics was created; member of the IOCE;

- 1999: become a member of the International Web Police/InterGOV;

- 2003: created their own CSIRT (CTR).

Additional Information

- NIC BR Security Office

  Brazilian Computer Emergency Response Team

  http://www.nbso.nic.br/

- Brazilian Internet Steering Committee

  http://www.cg.org.br/

- FIRST – Forum of Incident Response and Security

  Teams

  http://www.first.org/

- CERT Coordination Center (CERT/CC)

  http://www.cert.org/

- List of Brazilian CSIRTs

  http://www.nbso.nic.br/contact-br.html

Additional Information

- ITU (International Telecommunication Union): The Case of Brazil

    `http://www.itu.int/osg/spu/ni/security/docs/cni.06.pdf`

- Electronic Commerce Branch, Industry Canada: Approaches to Critical Network Infrastructure Protection

    `http://www.cicte.oas.org/ciberseguridad.htm`

- CERT/CC: State of the Practice of Computer Security Incident Response Teams

    `http://www.cert.org/archive/pdf/03tr001.pdf`