Incident Response and Cyber Security in Brazil

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Overview

• Incident Response in Brazil
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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.

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)
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
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