Internet Engineering Task Force

Extended INCident Handling Working Group (INCH)

http://www.cert.org/ietf/inch/inch_interim_2004.html

12:00 – 16:00 Sunday, June 13 2004 Interim Meeting Budapest, Hungary

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INCH Agenda

12:00 - 13:30 SESSION 1

- Agenda Bashing; WG Background; WG Issues
 - <http://www.cert.org/ietf/inch/interim04/ietf-interim2004-inch-agenda.pdf>
- Requirements
- RID
 - <http://www.cert.org/ietf/inch/interim04/ietf-interim2004-inch-rid.pdf>
- Data Model
 - <http://www.cert.org/ietf/inch/interim04/ietf-interim2004-inch-dm.pdf>

13:30 - 14:00 Coffee Break

14:00 - 15:30 SESSION 2

- Data Model (continued)
- Related Work
 - JPCERT/CC Scanning Project
 - http://www.cert.org/ietf/inch/interim04/ietf-interim2004-inch-jpcert.pdf
 - Vulnerabilities and Exploits Description Exchange Format (VEDEF)
 - http://www.cert.org/ietf/inch/interim04/ietf-interim2004-inch-vedef.pdf

Why have this meeting here?

- IETF meets three times a year in person
 - Next meeting: San Diego, USA, Aug. 1-6, 2004
- Otherwise, participation is through the mailing list; or

- Interim meetings, such as today
 - FIRST members are important stake holders in this process
 - Met before at FIRST-TC (Feb 2003, Uppsala, Sweden)

Charter Review: Goals

(http://www.ietf.org/html.charters/inch-chart.html)

Define a data representation for communication between

- a CSIRT and its constituency (e.g., users, customers, trusted reporters) which reports system misuse;
- a CSIRT and parties involved in an incident investigation (e.g., attacking site); and
- collaborating CSIRTs sharing information.

What is the INCH WG?

- History
 - Genesis of work is in Terena TF-CSIRT initiative
 - Brought into the IETF Dec 2001 to expose the work to a larger forum

INCH is part of the IETF Security Area

 Umbrella in the IETF to standardize relevant CSIRT data formats

Scoping the INCH work

Facilitate data exchange, ideally through automated means

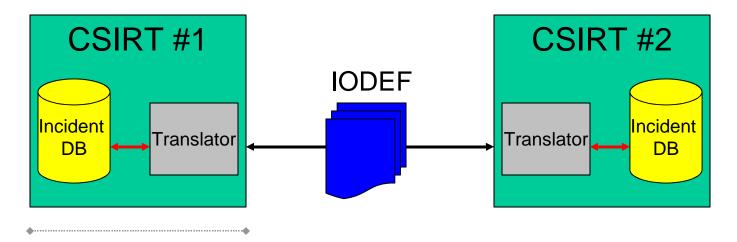
INCH focuses on

- Transport representation
 - In-representation security issues
 - Internationalization
 - Extensibility
- Completeness for typical CSIRT data exchange

INCH does NOT

- Provide an explicit protocol
- Optimize for storage
- Optimize for human readability

INCH among CSIRTS



- Internal CSIRT processes apply
- IODEF not appropriate format
 - Crossing organization boundaries
 - IODEF = standard format

Deliverables

Requirements

- Format for Incident Exchange (FINE)
- http://www.cert.org/ietf/inch/docs/draft-ietf-inch-requirements-03.txt

Core Data Model

- Incident Object Description Exchange Format (IODEF)
- http://www.cert.org/ietf/inch/docs/draft-ietf-inch-iodef-02.txt

Extensions

- Real-time Internet-network Defense (RID)
- http://www.ietf.org/internet-drafts/draft-ietf-inch-rid-00.txt

Implementation Guide

http://www.ietf.org/internet-drafts/draft-ietf-inch-implement-00.txt

Deliverable Relationships

- FINE specifies a list of requirements
- IODEF implemented these FINE requirements
- RID extends IODEF with traceback information
 - Other extensions may exist
- Implementation guidelines discuss how to implement the IODEF

What is IODEF?

- XML representation of typical data exchanged between CSIRTs
 - Incident tracking numbers
 - Contact information
 - Description of events (IP addresses, ports, etc.)
 - Classification and assessments of the events (impact, recovery, attack methodology)
- Extensible framework for constituency specific information

Known Projects

- CERT/CC
 - Network Situational Awareness (AirCERT)

- JPCERT/CC
 - Internet Scan Data Acquisitions System (ISDAS)

- European CSIRT Network
 - eCSIRT.net

News

- Unofficial Web Page
 - http://www.cert.org/ietf/inch/inch.html

- Issues Tracking via RT
 - https://rt.psg.com
 - Policy for usage
 - http://listserv.surfnet.nl/scripts/wa.exe?A2=ind04&L=inch&F=&S=&P=3143

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- Outside collaboration potential
 - Internet Research Task Force (IRTF) Anti-Spam WG

IETF Process

- I-D = internet draft = description of work
 - All work starts as an I-D
- Most deliverables are done in the context of a working group (WG)
- Deliverables (RFCs) are produced for three tracks:
 - Standards
 - Informational
 - Best Common Practice (BCP)
- All deliverables are reviewed by:
 - Working group
 - Area director (AD)
 - IETF member body
 - Internet Engineering Steering Group (IESG)

Document Status

Requirements

```
(draft-ietf-inch-requirements-03)
```

Not ready for last call

Data Model

```
(draft-ietf-inch-iodef-02)
```

Issues remains

RID Extension

```
(draft-ietf-inch-rid-00)
```

Refinement occurring

Implementation Guide

```
(draft-ietf-inch-implement-00)
```

Initial draft ready; contingent on data model completion

Core Document Milestones

- May 04: Submit requirements I-D to the IESG as Informational
 - Slippage till August 04?
- Aug 04: Submit incident data language specification
 I-D to the IESG as Proposed
 - Slippage till Nov 04?
- Aug 04: Submit traceback extension specification I-D to the IESG as Proposed
 - Slippage till Nov 04?
- Sep 04: Submit implementation guidelines I-D to the IESG as Informational
 - Slippage depends on data model

Mailing List

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