
IODEF Data Model Status

<draft-ietf-inch-iodef-02>

Roman Danyliw <rdd@cert.org>
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XML Schema Migration

<http://www.uazone.org/demch/projects/iodef/>

- STATUS
 - Release a DTD and Schema in v03 draft
 - v04 with full Schema

Supporting AS Numbers

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=1814>)

- Add AS numbers as another address type; needed for RID and providers
- STATUS: accepted, but todo

Indexing IODEF Documents

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=19014>)

- What is the equivalent to the current "subject" line of an email message?
- STATUS: resolved; use /IODEF-Document/Incident/Description

XML-Signature and XML-Encryption

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=19142>)

- How to apply XML-Signature and XML-Encryption to IODEF documents?
- PROPOSAL
 - Examples of using XML-Signature
 - <http://nic.surfnet.nl/scripts/wa.exe?A2=ind04&L=inch&F=&S=&P=2459>
- STATUS: needs more discussion and volunteers

Assigning IncidentIDs

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=18902>)

- How to assign incident identifiers?
 - How to set the CSIRT name in the origin attribute?
- PROPOSALS
 - external registration
 - AS number
 - Domain name
- STATUS: consensus on the list is domain name

Type attribute of the extension classes

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=21811>)

- Should the type attribute of the extension classes (i.e., AdditionalData, and Record Item) be identical?
- PROPOSALS
 - Since the enum list for RecordItem is a superset of AdditionalData, use the same for both
 - Since the classes represent different data, keep the attribute definitions different
- STATUS
 - todo: fix typo between data model and DTD
 - requires further discussion

Timezone element of Contact

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=21811>)

- What should be the cardinality between Contact and Timezone?
- STATUS: todo: fix typo between data model and DTD; timezone is 0..1
- What is the name of the class: “Timezone” or “TimeZone”
- STATUS: consensus on the list is with "Timezone"

Supporting IR Process

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=A&P=22621>)

- Want a representation for:
 - flow data
 - statistics on these flows
- System class is too IDS/IDMEF centric and overly complex
- PROPOSAL
 - Drop <Process>, <FileList>, and <User> from <System>
 - Simplify <Address> to only IP addresses
 - Add a way to represent stats
 - <http://nic.surfnet.nl/scripts/wa.exe?A2=ind04&L=inch&F=&S=&P=1576>
- STATUS: needs further discussion

Standardize extension classes

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind04&L=inch&F=&S=&P=748>)

- Add a mandatory top-level container class to all extensions to allow an easy determination of which one is used

- PROPOSAL

```
<!ELEMENT IODEF-Extention (ANY)>
<!ATTLIST IODEF-Extention
          name      CDATA      #REQUIRED
          source    CDATA      #REQUIRED
          version   CDATA      #IMPLIED >
```

- STATUS: needs further discussion
 - Need to consider implications of Schema

Timestamp formats

(<http://nic.surfnet.nl/scripts/wa.exe?A2=ind03&L=inch&O=D&P=19259>,
<http://nic.surfnet.nl/scripts/wa.exe?A2=ind04&L=inch&O=D&P=866>)

- Support more commonly used time formats
 - time-zones formats other than GMT+004, including day of the week, etc.
- STATUS: needs further discussion

Comments?