draft-ietf-mile-rfc5070-bis-18

Roman Danyliw <rdd@cert.org>

IETF 95

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What is IODEFv2?

- An XML format to represent data elements commonly exchanged by CSIRTs:
  - Computer security incident reports
  - Cyber security indicators
- Update to the Incident Object Description Exchange Format (IODEF) (RFC5070)
- IODEF is extended by various extensions
  - RFC 5901 (Phishing)
  - RFC 7203 (Structured Cybersecurity Information)
  - RFC 7495 (Reference format)
- IODEFv2 is exchanged with:
  - RID (RFC 6545 and RFC 6546)
  - XMPP (draft-appala-mile-grid-00)

Drafts Since IETF 94 (Yokohama)

- -16 (02-01-2016)
  - https://www.ietf.org/mail-archive/web/mile/current/msg01800.html
- -17 (03-20-2016)
  - https://www.ietf.org/mail-archive/web/mile/current/msg01811.html
- -18 (03-21-2016)
  - https://www.ietf.org/mail-archive/web/mile/current/msg01813.html
- WGLC started on October 2015

Issues Closed in -16, -17 and -18

ID	Issue Summary	Status
#38	Improve example in Section 7	-16
#39	RelatedDNS documentation	-16
#54	Reorganize IODEF schema	-16
WGLC Feedback 1	David Waltermire https://www.ietf.org/mail-archive/web/mile/current/msg01775.html	-16, -17
WGLC Feedback 2	Alexey Melnikov https://www.ietf.org/mail-archive/web/mile/current/msg01802.html	-17
WGLC Feedback 3	Takeshi Takahashi https://www.ietf.org/mail-archive/web/mile/current/msg01804.html	-18

- Substantial editorial changes

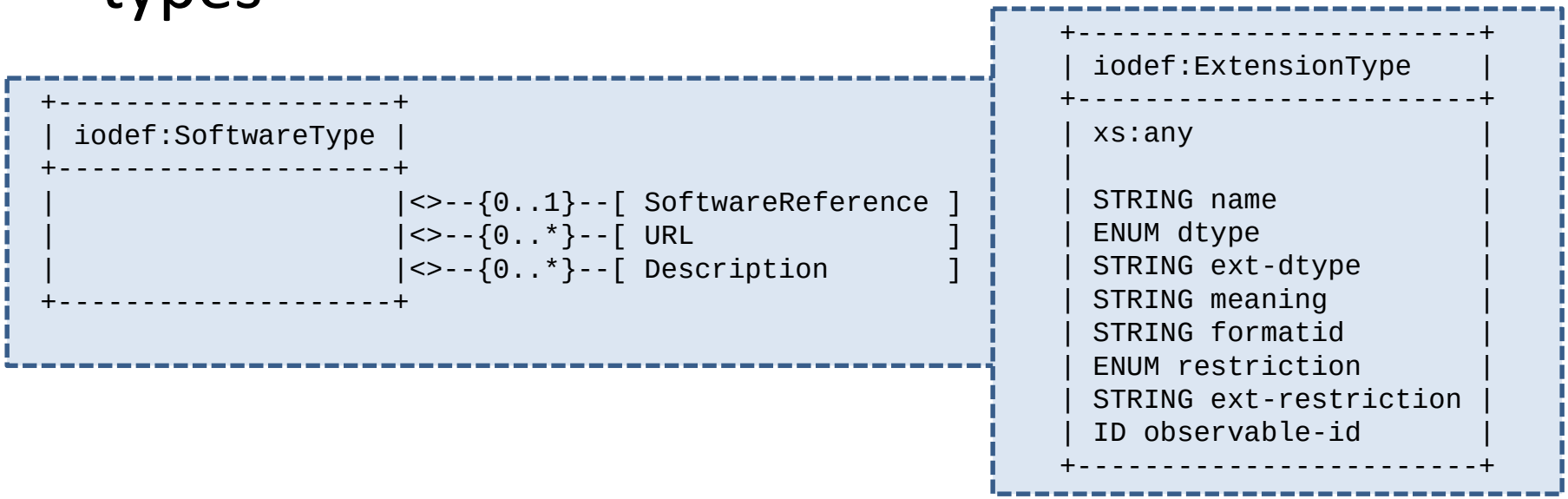
http://trac.tools.ietf.org/wg/mile/trac/report/1?asc=1&sort=ticket

Incompatibilities with v1

- The IODEF-Document@version attribute is set to "2.0".
- Attributes with enumerated values can now also be extended with IANA registries.
- All iodef:MLStringType classes use xml:lang. IODEF-Document also uses xml:lang.
- The Service@ip_protocol attribute was renamed to @ip-protocol.
- The Node/NodeName class was removed in favor of representing domain names with Node/DomainData/Name class. The Node/DataTime class was also removed so that the Node/DomainData/ DateDomainWasChecked class can represent the time at which the name to address resolution occurred.
- The Node/NodeRole class was moved to System/NodeRole.
- The Reference class is now defined by [RFC-ENUM].
- The data previously represented in the Impact class is now in the SystemImpact and IncidentCategory classes. The Impact class has been removed.
- The semantics of Counter@type are now represented in Counter@unit.
- The IODEF-Document@formatid attribute has been renamed to @format-id.
- Incident/ReportTime is no longer mandatory. However, GenerationTime is.
- The Fax class was removed and is now represented by a generic Telephone class.
- The Telephone, Email and PostalAddress classes were redefined from improved internationalization.

Reorganized UML Datatypes

- Introduced SOFTWARE and EXTENSION data types



EXTENSION type now used by AdditionalData, RecordItem, FileProperties, RelatedDNS, ApplicationHeaderField and EmailHeaderField

SOFTWARE type now used by Application, OperatingSystem and AssociatedSoftware

Outstanding Issues

http://trac.tools.ietf.org/wg/mile/trac/report/1?asc=1&sort=ticket

Discussion