Transitional Atom Format
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Abstract

This specification defines a transitional form of the Atom 1.0 Entry Document that may be used during the production lifecycle of Atom 1.0 Entry Documents.
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1. Introduction

This specification defines a transitional form of Atom Entry Document [RFC4287] that may be used during the production lifecycle of an Atom Entry.

2. Notational Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14, [RFC2119].

This specification uses XML Namespaces [W3C.REC-xml-names-19990114] to uniquely identify XML element names.

"atom": "http://www.w3.org/2005/Atom"
"t": "http://www.w3.org/2005/Atom-transitional"

This specification uses terms from the XML Infoset [W3C.REC-xml-infoset-20040204]. However, this specification uses a shorthand; the phrase "Information Item" is omitted when naming Element Information Items. Therefore, when this specification uses the term "element," it is referring to an Element Information Item in Infoset terms.

3. Transitional Atom Entry Documents

The Transitional Atom Entry Document is a well-formed XML document derived from the Atom Entry Document defined by the Atom Syndication Format [RFC4287]. Its root is the t:entry element.

```xml
namespace tatom = "http://www.w3.org/2005/Atom-transitional"
start = tatomEntry
```

Transitional Atom allows the use of IRI’s [RFC3987], xml:base and xml:lang in the same fashion described in Section 2 of the Atom Syndication Format specification.

Transitional Atom is an extensible format adhering to the same mechanisms described in Section 6 of the Atom Syndication Format.

4. The 't:entry' Element

The "t:entry" element represents an individual Transitional Atom Entry.
transitional-entry =
element t:entry {
  atomCommonAttributes,
  (atomAuthor* 
    & atomCategory* 
    & atomContent?
    & atomContributor*
    & atomId?
    & atomLink*
    & atomPublished?
    & atomRights?
    & atomSummary?
    & atomTitle?
    & atomUpdated?
    & extensionElement*)
}

This specification assigns no significance to the order of the child
elements of t:entry.

The children of the ’t:atom’ element are defined by [RFC4287].

- o t:entry elements MAY contain one or more atom:author elements.
- o t:entry elements MAY contain any number of atom:category elements.
- o t:entry elements MUST NOT contain more than one atom:content
  element.
- o t:entry elements MAY contain any number of atom:contributor
  elements.
- o t:entry elements that contain no child atom:content element SHOULD
  contain at least one atom:link element with a rel attribute value of
  "alternate".
- o t:entry elements MUST NOT contain more than one atom:link element
  with a rel attribute value of "alternate" that has the same
  combination of type and hreflang attribute values.
- o t:entry elements MAY contain additional atom:link elements beyond
  those described above.
- o t:entry elements MUST NOT contain more than one atom:published
  element.
- o t:entry elements MUST NOT contain more than one atom:rights
  element.
- o t:entry elements MUST NOT contain more than one atom:source
  element.
- o t:entry elements SHOULD contain an atom:summary element in either
  of the following cases:
* the t:entry contains an atom:content that has a "src" attribute (and is thus empty).
* the t:entry contains content that is encoded in Base64; i.e. the "type" attribute of atom:content is a MIME media type [RFC4288], but is not an XML media type [RFC3023], does not begin with "text/", and does not end with "/xml" or "+xml".
  o t:entry elements MUST NOT contain more than one atom:summary element.
  o t:entry elements MAY contain exactly one atom:title element.
  o t:entry elements MAY contain exactly one atom:updated element.

5. Security Considerations

There are no security considerations introduced by this specification.

6. IANA Considerations

There are no IANA considerations introduced by this specification.

7. References


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Author’s Address

James M Snell

Phone:
Email: jasnell@gmail.com
URI: http://snellspace.com
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