OCCI Text Format

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Overview

Text is the simplest possible rendering, which is most useful for simple clients including:

- Manual manipulation by developers, system administrators, etc.

- Monitoring systems

- Scripts

- Scheduled cron jobs

It is served using the `text/occi` Internet media type.

Specification

The text rendering is based on the RFC2616 (HTTP) `message-header` type, which is the same generic format as that given in RFC2822.

It is identical to the `generic-message` type except that there is no `start-line` (Request-Line | Status-Line) and both `message-body` and required `message-header` fields are optional.

Where an optional `message-body` is provided the relevant `entity-headers` (e.g. "`Content-Type:`") *must* also be included.

Web Categories [CATEGORY] and Web Linking [LINK] specifications are used for the meta-model.

ABNF

```
occi-resource  = *( message-header CRLF )
                 [ CRLF message-body ]
message-body = entity-body
               | <entity-body encoded as per Transfer-Encoding>
entity-body    = *OCTET
message-header = field-name ":" [ field-value ]
field-name     = token
field-value    = *( field-content | LWS )
field-content  = <the OCTETs making up the field-value
                 and consisting of either *TEXT or combinations
                 of token, separators, and quoted-string>
```

Example

```
OCCI-Id: urn:uuid:d0e9f0d0-f62d-4f28-bc90-23b0bd871770
OCCI-Title: Compute Resource #123
OCCI-Summary: A virtual compute resource
OCCI-Author-Name: John Citizen
OCCI-Updated: 2009-12-31T12:59:59Z
ETag: "dad86c61eea237932f"
Category: compute;
  scheme="http://purl.org/occi/kind/";
```

```
      label="Compute Resource"
   Link: <http://example.com/products/1234>;
      rel="alternate";
      title="Alternate representation"
```

Bibliography

Normative References

[RFC2616] *RFC 2616 - Hypertext Transfer Protocol -- HTTP/1.1.* `http://tools.ietf.org/html/rfc2616`. Internet Engineering Task Force (IETF) 1999-06.

[RFC2822] *RFC 2822 - Internet Message Format.* `http://tools.ietf.org/html/rfc2822`. Internet Engineering Task Force (IETF) 2001-04.

Informative References

[CATEGORY] *Web Categories.* `http://tools.ietf.org/html/draft-johnston-http-category-header`. Internet Engineering Task Force (IETF) Sam Johnston. 2009-07-1.

[LINK] *Web Linking.* `http://tools.ietf.org/html/draft-nottingham-http-link-header`. Internet Engineering Task Force (IETF) Mark Nottingham. 2009-07-12.

[HTML5-article] *Designing a great HTTP API - why heavyweight XML is not the answer.* `http://www.elastichosts.com/blog/2009/01/01/designing-a-great-http-api/` `[http://www.smashingmagazine.com/2009/07/29/misunderstanding-markup-xhtml-2-comic-strip/]`.. 2009-01-01.