Network Working Group
INTERNET-DRAFT
draft-conboy-mime-opf-00
Expires: August 2006

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June 22, 2006

Media Type Registrations for OEBPS Package File (OPF)

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Abstract

This document serves to register a media type for the Open eBook Publication Structure (OEBPS) Package Files.

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1. Introduction

The present document seeks to register a media type for the Open eBook Publication Structure (OEBPS) Package File (OPF). The OPF file is an XML file that describes an OEBPS Publication. It identifies all other files in the publication and provides descriptive information about them. OPF and its related standards are maintained and defined by the International Digital Publishing Forurm (IDPF).

The media type defined here is needed to correctly identify OPF files when they are edited on disk, referenced in OEBPS Container files, or used in other places where media types are used.

2. Security Considerations

The OPF files contain well formed XML conforming to the XML 1.0 specification.

Clearly it is possible to author malicious files which, for example, contain malformed data. Most XML parsers protect themselves from such attacks by rigoriously enforcing conformance.

All processors that read OPF files should rigourously check the size and validity of data retrieved.

There is no current provision in the OEBPS Package File standard for encryption, signing, or authentication within the file format.

3. IANA Considerations

The present document requests that IANA registers the media type application/oebps-package+xml as specified in Section 3.1. The registration uses the template present in [RFC4288].

3.1. Media Type for Downloadable Sounds

Type name:	application
Subtype name:	oebps-package+xml
Required parameters:	none
Optional parameters:	none
Encoding considerations:	OPF files are UTF-8 or UTF-16

encoded XML

Security considerations: none

Interoperability considerations: none

Published specification: Specification is published by the International Digital Publishing Forum and can be found at http://www.idpf.org/oebps/oebps1.2/download/oeb12-xhtml.htm

Applications which use this media type:

1) eBook Technologies, Inc. eBook reading system.
2) Microsoft Reader
3) OSoft reader
4) Content Reserve Publishing System
5) IDPF Container WG
6) PC Reader.com
7) MobiPocket reader

Additional information:

Magic number(s): none

File extension(s): .opf

Macintosh file type code(s): TEXT

Person & email address to contact for further information: Nick Bogaty (nbogaty@idpf.org)

Intended usage: COMMON

Restrictions on usage: None

Author: International Digital Publishing Forum (www.idpf.org)

Change controller: International Digital Publishing Forum (www.idpf.org)

4. RFC Editor Considerations

The references to RFC XXXX in the media type registration need to be replaced with the actual RFC number when it is issued.

Please remove this section before publication as RFC.

5. Authors' Addresses

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6. References

6.1. Normative

[OEBPS] "Open eBook Publication Structure 1.2", International Digital Publishing Forum (IDPF), New York, NY USA, 2002.

[RFC4288] Freed, N. and J. Klensin, "Media Type Specifications and Registration Procedures", BCP 13, RFC 4288, December 2005.

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