

## The application/smil Media Type

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### Abstract

This document specifies the Media Type of the Synchronized Multimedia Integration Language (SMIL 1.0, pronounced "smile"). SMIL allows integrating a set of independent multimedia objects into a synchronized multimedia presentation.

## **1. Introduction**

The World Wide Web Consortium has issued a Proposed Recommendation [\[1\]](#),

which defines version 1 of the Synchronized Multimedia Integration Language. This memo provides information about the application/smil Media Type.

## **2. Synchronized Multimedia Integration Language**

SMIL allows integrating a set of independent multimedia objects into a synchronized multimedia presentation. Using SMIL, an author can

- 1.describe the temporal behavior of the presentation
- 2.describe the layout of the presentation on a screen
- 3.associate hyperlinks with media objects

SMIL is defined using XML [[2](#)].

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## **3. Registration Information**

To: ietf-types@iana.org

Subject: Registration of MIME media type application/smil

MIME media type name: application

MIME subtype name: smil

Required parameters: charset

smil is an XML-based language, and thus a character-based media type.

The charset parameter is required, because the default character set for XML (UTF-8) differs from the default character set defined in [RFC 2046](#) (US-ASCII).

Optional parameters: none

Encoding considerations:

"quoted-printable" encoding is recommended for use with transports that

are not 8-bit clean and smil documents that use a character set such as

UTF-8 in which the majority of characters are US-ASCII. base64 or binary is recommended in all other cases.

## Security considerations:

SMIL documents contain a construct that allows "infinite loops". This is indispensable for a multimedia format. However, SMIL clients should foresee provisions such as a "stop" button that lets users interrupt such an "infinite loop".

As with HTML, SMIL documents contain links to other media (images, sounds, videos, text, ...) and those links are typically followed automatically by software, resulting

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in the transfer of files without the explicit request of the user for each one. The security considerations of each linked file are those of the individual registered types.

## Interoperability considerations:

SMIL documents contain links to other media objects. The SMIL player must be able to decode the media types of these media in order to display the whole document. To increase interoperability, SMIL has provisions for including alternate versions of a media object in a document.

Published specification: see [[1](#)]

Applications which use this media type:

SMIL players

Additional information:

Magic number(s): none  
File extension(s): .smi, .smil  
Macintosh File Type Code(s): "TEXT"  
Object Identifier(s) or OID(s): none

Person & email address to contact for further information:

The author of this memo.

Intended usage: COMMON

Author/Change controller:

## **5. References**

- [1] "Synchronized Multimedia Integration Language (SMIL) 1.0 Specification", Proposed Recommendation PR-smil-19980409, <http://www.w3.org/TR/1998/PR-smil-19980409/>, April 1998.
- [2] "Extensible Markup Language (XML) 1.0", W3C Recommendation REC-xml-19980210, <http://www.w3.org/TR/REC-xml/>, February 1998.

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