

[MS-XMLSTYL]: Microsoft XML Associating Style Sheets with XML Standards Support Document

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Revision Summary

Date	Revision History	Revision Class	Comments
03/26/2010	1.0	New	Released new document.
05/26/2010	1.2	None	Introduced no new technical or language changes.
09/08/2010	1.3	Major	Significantly changed the technical content.
02/10/2011	2.0	No change	Introduced no new technical or language changes.

Table of Contents

1 Introduction	4
1.1 Glossary	4
1.2 References.....	4
1.2.1 Normative References.....	4
1.2.2 Informative References	4
1.3 Microsoft Implementations.....	4
1.4 Standards Support Requirements	5
1.5 Notation	5
2 Standards Support Statements.....	6
2.1 Normative Variations.....	6
2.2 Clarifications	6
2.2.1 [W3C-XML-StyleSheets] Section 1, The xml-stylesheet processing instruction	6
2.3 Error Handling	7
2.4 Security.....	7
3 Change Tracking.....	8
4 Index	9

1 Introduction

This document describes the level of support provided by the Microsoft XML Core Services (MSXML) and Windows® Internet Explorer® for the *Associating Style Sheets with XML documents, Version 1.0* [[W3C-XML-StyleSheets](#)], W3C Recommendation 29 June 1999.

The [[W3C-XML-StyleSheets](#)] specification may contain guidance for authors of webpages and browser users, in addition to user agents (browser applications). Statements found in this document apply only to normative requirements in the specification targeted to user agents, not those targeted to authors.

1.1 Glossary

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [[RFC2119](#)]. All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.ietf.org/rfc/rfc2119.txt>

[W3C-XML-StyleSheets] Clark, J., Ed., "Associating Style Sheets with XML documents Version 1.0", W3C Recommendation 29 June 1999, <http://www.w3.org/TR/xml-stylesheet/>

[XML10] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Third Edition)", February 2004, <http://www.w3.org/TR/REC-xml>

1.2.2 Informative References

None.

1.3 Microsoft Implementations

The [[W3C-XML-StyleSheets](#)] specification is implemented by Microsoft XML Core Services (MSXML) 3.0 (*MSXML3*) and by Windows® Internet Explorer® 9.

MSXML3 is used by Windows® Internet Explorer® 7, Windows® Internet Explorer® 8, and Internet Explorer 9.

Windows® Internet Explorer® implements multiple document modes, which can vary individually in their support of the standard. Internet Explorer 9 uses MSXML3 for Quirks Mode, IE7 Mode, and IE8 Mode. For IE9 Mode, Internet Explorer provides built-in support for the [[W3C-XML-StyleSheets](#)] specification. Throughout this document, variations and clarifications note whether they apply to MSXML3 or IE9 Mode. The document mode appears first followed by the browser version in parentheses. Only those document modes and browser versions for which there is a variation note will be listed. If the document mode is not listed, conformance to the specification can be assumed.

The [\[W3C-XML-StyleSheets\]](#) specification is implemented in IE9 Mode.

1.4 Standards Support Requirements

To conform to [\[W3C-XML-StyleSheets\]](#), a user agent must implement all required portions of the specification. Any optional portions that have been implemented must also be implemented as described by the specification. Normative language is usually used to define both required and optional portions. (For more information, see [\[RFC2119\]](#).)

The following table lists the sections of [\[W3C-XML-StyleSheets\]](#) and whether they are considered normative or informative.

Sections	Normative/Informative
1	Normative
Appendices A-B	Informative

1.5 Notation

The following notations are used in this document to differentiate between notes of clarification, variation from the specification, and extension points.

Notation	Explanation
C####	Identifies a clarification of ambiguity in the target specification. This includes imprecise statements, omitted information, discrepancies, and errata. This does not include data formatting clarifications.
V####	Identifies an intended point of variability in the target specification such as the use of MAY, SHOULD, or RECOMMENDED. (See [RFC2119] .) This does not include extensibility points.
E####	Identifies extensibility points (such as optional implementation-specific data) in the target specification, which can impair interoperability.

For document mode and browser version notation, see section [1.3](#).

2 Standards Support Statements

This section contains a full list of variations, clarifications, and extension points in the Microsoft implementation of [\[W3C-XML-StyleSheets\]](#).

- Section [2.1](#) includes only those variations that violate a MUST requirement in the target specification.
- Section [2.2](#) describes further variations from MAY and SHOULD requirements.
- Section [2.3](#) identifies variations in error handling.
- Section [2.4](#) identifies variations that impact security.

2.1 Normative Variations

There are no additional variations to [\[W3C-XML-StyleSheets\]](#).

2.2 Clarifications

The following subsections identify clarifications to recommendations made by [\[W3C-XML-StyleSheets\]](#).

2.2.1 [W3C-XML-StyleSheets] Section 1, The xml-stylesheet processing instruction

C0001:

The specification states:

In some cases, style sheets may be linked with an XML document by means external to the document.

MSXML3 and IE9 Mode (All Versions)

Style sheets that are linked with an XML document by means external to the document are ignored.

C0002:

The specification states:

NOTE: If the xml-stylesheet processing instruction occurs in the external DTD subset or in a parameter entity, it is possible that it may not be processed by a non-validating XML processor (see [XML10]).

MSXML3 and IE9 Mode (All Versions)

The xml-stylesheet processing instruction is not processed when it occurs in an external DTD subset or in a parameter entity.

C0003:

The specification states:

In some cases, style sheets may be linked with an XML document by means external to the document. For example, earlier versions of HTTP [RFC2068] (section 19.6.2.4) allowed style sheets to be associated with XML documents by means of the Link header. Any links to style sheets that are specified externally to the document are considered to occur before the links specified by the xml-stylesheet processing instructions. This is the same as in HTML 4.0 (see section 14.6).

MSXML3 and IE9 Mode (All Versions)

Style sheets that are linked with an XML document by means external to the document are ignored.

2.3 Error Handling

There are no additional considerations for error handling.

2.4 Security

There are no additional security considerations.

3 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

4 Index

C

[Change tracking](#) 8

G

[Glossary](#) 4

I

[Informative references](#) 4

[Introduction](#) 4

N

[Normative references](#) 4

R

References

[informative](#) 4

[normative](#) 4

T

[The xml-stylesheet processing instruction](#) 6

[Tracking changes](#) 8