



# **Guide to Schemas for MIME**

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## **MIME Schema Guide**

### **Version 2020-OCT**

December 1, 2022

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for MIME. This guide is generated from the MIME Schemas and provides a consolidated reference for the schemas of this specification.

Chapter 2 - Schema Files

2.1 - MIME.xsd

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
            xmlns:mimetype="urn:us:gov:ic:cvenum:mime:type"
            xmlns:xhtml="http://www.w3.org/1999/xhtml-StopBrowserRendering"
            targetNamespace="urn:us:gov:ic:mime"
            attributeFormDefault="qualified"
            elementFormDefault="qualified"
            xml:lang="en"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2019-09-18"
            ism:DESVersion="202111"
            ism:ISMATCESVersion="202205"
            ism:classification="U"
            ism:ownerProducer="USA"
            version="202010">

    <xs:annotation>
        <xs:documentation>
            <xhtml:h1 ism:ownerProducer="USA" ism:classification="U">Intelligence Community
Technical Specification CVE Encoding Specification for Media Type
(MIME.XML)</xhtml:h1>
        </xs:documentation>

        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Notices</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Distribution Notice:
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        </xhtml:p>
        </xs:documentation>
        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Description</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> W3C XML Schema for the XML CVE
Encoding Specification for Media Type (MIME.XML). </xhtml:p>
        </xs:documentation>
        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Introduction</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> This XML Schema file is one
component of the XML CVE Encoding Specification (CES). Please see the document
titled <xhtml:i>
                <xhtml:a href="../../Documents/MIME/CesMimeXml.pdf">XML CVE Encoding
Specification for Media Type</xhtml:a>
            </xhtml:i> for a complete description of the encoding as well as list of all
components. </xhtml:p>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> It is envisioned that this
schema or its components, as well as other parts of the CES may be overridden for
localized implementations. Therefore, permission to use, copy, modify and distribute
this XML Schema and the other parts of the CES for any purpose is hereby granted in
perpetuity. </xhtml:p>
```

```

        <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Please reference the preceding
two paragraphs in all copies or variations. The developers make no representation
about the suitability of the schema or CES for any purpose. It is provided "as is"
without expressed or implied warranty. </xhtml:p>
        <xhtml:p ism:ownerProducer="USA" ism:classification="U"> If you modify this XML Schema
in any way label your schema as a variant of MIME.XML. </xhtml:p>
        <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Please direct all questions,
bug reports, or suggestions for changes to the points of contact identified in the
document referenced above. </xhtml:p>
    </xs:documentation>
    <xs:documentation>
        <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Implementation Notes</xhtml:h2>
        <xhtml:p ism:ownerProducer="USA" ism:classification="U">MIME does not have a root node.
There are one or more peer elements that reference each of its CVE schema fragments.
    </xhtml:p>
    </xs:documentation>
    <xs:documentation>
        <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Creators</xhtml:h2>
        <xhtml:p ism:ownerProducer="USA" ism:classification="U">Office of the Director of
National Intelligence Intelligence Community Chief Information Officer</xhtml:p>
    </xs:documentation>
</xs:annotation>

<!--*****-->

<xs:import namespace="urn:us:gov:ic:cvenum:mime:type"
            schemaLocation="CVEGenerated/CVEnumMIMEType.xsd"/>

<!--*****-->

<xs:attribute name="CESVersion">
    <xs:annotation>
        <xs:documentation xml:lang="en">
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> The version number of the
CES </xhtml:p>
        </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{6}(\.[0-9]{6})?(\-{1,23})?" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>

<xs:element name="MimeType" type="mimetype:CVEnumMIMEType">
    <xs:annotation>
        <xs:documentation xml:lang="en">
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> An element limited to
allowable MIME types. </xhtml:p>
        </xs:documentation>
    </xs:annotation>
</xs:element>
```

```
<xs:attribute name="mimeType" type="mimetype:CVEEnumMimeType">
  <xs:annotation>
    <xs:documentation xml:lang="en">
      <xhtml:p ism:ownerProducer="USA" ism:classification="U"> An attribute limited to
allowable MIME types. </xhtml:p>
    </xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:annotation>
  <xs:documentation>
    <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Formal Change List</xhtml:h2>
    <xhtml:table ism:ownerProducer="USA" ism:classification="U" id="ChangeHistory">
      <xhtml:caption>Change History</xhtml:caption>
      <xhtml:thead>
        <xhtml:tr>
          <th>Version</th>
          <th>Date</th>
          <th>By</th>
          <th>Description</th>
        </xhtml:tr>
      </xhtml:thead>
      <xhtml:tbody>
        <xhtml:tr>
          <xhtml:td>2016-SEP</xhtml:td>
          <xhtml:td>2016-02-17</xhtml:td>
          <xhtml:td>ODNI/IC CIO/IAD</xhtml:td>
          <xhtml:td> The schema change logs will no longer be maintained as of the
2016-SEP release. The existing change logs will only serve as legacy
information. For changes to schema as of and after 2016-SEP, reference
the change history in the CES. </xhtml:td>
        </xhtml:tr>
      </xhtml:tbody>
    </xhtml:table>
  </xs:documentation>
</xs:annotation>
</xs:schema>
```