

Notice! This page describes the *nature of the error* using a hypothetical example and not the erroneous data of the input test file. You should however be able to apply this information to your error case.



General description of the error:

The format of the error message: cvc-elt.4.3: Type "{1}" is not validly derived from the type definition, "{2}", of element "{0}".

Error description in schema standard: <http://www.w3.org/TR/2007/WD-xmlschema11-1-20070830/#cvc-elt>

Possible causes for this error:

- File has an element with a type that is not extended (derived) from the base datatype.

An example

Schema would be along with:

```
<xsd:element name="directory">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="contact" type="contactType" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<!-- Defining the base datatype -->
<xsd:complexType name="contactType">
  <xsd:sequence>
    <xsd:element name="name" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
<!-- Defining a derived datatype -->
<xsd:complexType name="emailContactType">
  <xsd:complexContent>
    <xsd:extension base="contactType">
      <xsd:sequence>
        <xsd:element name="email" type="xsd:string"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
```

```
</xsd:complexType>
```

Valid file would be:

```
<directory xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <contact xsi:type="emailContactType">
    <email>email@server.com</email>
  </contact>
</directory>
```

In this case the 'webContactType' is not defined as extension of contactType like in the emailContactType in the valid example.

```
<directory xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <contact xsi:type="webContactType">
    <email>email@server.com</email>
  </contact>
</directory>
```

Error message: Error cvc-elt.4.3: Type 'webContactType' is not validly derived from the type definition, 'contactType', of element 'contact'.

How to fix: The error can be corrected by looking up the schema and checking what elements can be used. Usable elements are those that are derived from base datatype with:

```
<xsd:extension base="contactType">
```