

Copy failing due to Xml Validation

Last updated by | Nelson Gomes | Mar 10, 2023 at 12:19 AM PST

Contents

- [Description](#)
- [Root Cause](#)
- [Solution](#)

Description

Copy activity failing with the exception ** Could not find schema information for the element ** while using XML file as a source and validation enabled.

Full error message

```
ErrorCode=XmlValidationFailed, 'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=Schema validation for xml file 'books.xml' failed wit
```

Root Cause

When enabling validation, we need to refer to the validation file either XSD or DTD in the XML file using a relative path.

- XML schema validation:
 - You can choose to not validate schema, or validate schema using XSD or DTD.
 - When using XSD or DTD to validate XML files, the XSD/DTD must be referred inside the XML files through relative path.

Doc reference: [XML format - Azure Data Factory & Azure Synapse | Microsoft Learn](#) 

Solution

To resolve that we need to add the relative path to the validation file in each XML file we are validating. In basic XML file we have:

```
<?xml version="1.0"?>
<books>
  <book id="bk001">
    <author>Writer</author>
    <title>The First Book</title>
    <genre>Fiction</genre>
    <price>44.95</price>
    <pub_date>2000-10-01</pub_date>
    <review>An amazing story of nothing.</review>
  </book>

  <book id="bk002">
    <author>Poet</author>
    <title>The Poet's First Poem</title>
    <genre>Poem</genre>
    <price>24.95</price>
    <review>Least poetic poems.</review>
  </book>
</books>
```

Example 1: If XML/XSD are on the same container in storage where we are copying from

validaiton

Container

Search

«

Upload

Change access level

Refresh

Delete

Change tier

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Authentication method: Access key (Switch to Azure AD User Account)

Location: validaiton

Search blobs by prefix (case-sensitive)

Add filter

Name	Modified
<input type="checkbox"/> books.xml	3/1/2023, 6:13:37 PM
<input type="checkbox"/> books.xsd	3/1/2023, 6:20:28 PM

```
<?xml version="1.0"?>
<books xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="books.xsd">
  <book id="bk001">
    <author>Writer</author>
    <title>The First Book</title>
  </book>
</books>
```

Our reference will look like the following:

Which is adding `xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"` `xsi:noNamespaceSchemaLocation="books.xsd"` to our file.

Example 2:

If XML and XSD where in different containers on storage considering that the other container name is validation1 the reference path would look like this:

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="../../validation1/books.xsd"
```

Where the `../` would mean that we need to go up one level from our directory and move to the next

Note: [Having](#) the validation file on an external location is not supported it only supported when we have the file on blob along with the XML file

Additional information

- **ICM reference:**
- **Ava:**
- **Author:** mohammadj
- **Reviewer:** negome
- **Keywords:** XML, XmlValidationFailed

How good have you found this content?

