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Subject: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by on Tue, 05 May 2020 11:30:15 GMT

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Hello,

The railml-schema integrates the definitions of the Dublin Core (DC) metadata using xs:import at various points. In a recent attempt to validate a railML file, I had problems with exactly this imported schema. After some research I found out that the cause of the problem seems to be the change of the URL for the DC files from http:// to https://. Calling the (old) http-URL with a web browser still works, because the DC server apparently answers with a http redirect response code (308?) and the new address, which the browser processes automatically. However, various XML parsers / developing tools apparently have problems processing this response code and can no longer validate railML files.

So I think that this problem should be solved by the developers of the XML parser / development software first, but I would still be interested to know if other parsers have similar problems and if therefore a subsequent adaptation of the DC-URL in the already published railML-XSD files is an option to reduce problems with the railML validation.

Best regards  
Christian Rößiger

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Subject: Re: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by [Thomas Nygreen](#) on Thu, 07 May 2020 07:17:22 GMT

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Hello Christian,

We will update the URL in the railML XSDs of currently supported versions. I have made a trac ticket for this: <https://trac.railml.org/ticket/379>

Best regards  
Thomas

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Subject: Re: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by [Martin Griesemer](#) on Thu, 07 May 2020 08:24:16 GMT

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Hello,

I agree with the URL update.

Best regards,

Martin

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Subject: Re: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by \_\_\_\_\_ on Tue, 12 May 2020 09:02:17 GMT

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Hello, Thomas,

thanks for responding so quickly to my request. It was primarily intended as a "survey" to see if other users have the same problem. As I wrote in my first outgoing mail, I think that the problem should be solved primarily by the developers of the XML validators, especially when it comes to individual cases. We would therefore only recommend to adapt the already published XSD files if the problem still occurs with other users.

Best regards

Christian Rößiger

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Subject: Re: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by [Milan Wölke](#) on Wed, 13 May 2020 15:53:21 GMT

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Hello,

I dont see a problem with changing the URL in the already published versions. So far I havent heard from anybody that this would have any kind of impact to existing implementations.

Best regards, Milan

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Subject: Re: Problems with changed schemaLocation (http -> https) for Dublin-Core schema

Posted by \_\_\_\_\_ on Mon, 08 Jun 2020 11:29:26 GMT

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Hello everyone,

in the meantime we could solve the problem by updating our XML development tool. Therefore, we do not see any urgency in modifying the already published XSD schemas, especially since we would otherwise have to adjust the release number(s) also in our documentation. Nevertheless, the new URL (https) should be used in future releases.

Best regards  
Christian Rößiger

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Subject: Problems with HTTPS for Dublin Core schema solved

Posted by [Vasco Paul Kolmorgen](#) on Mon, 22 Jun 2020 09:18:09 GMT

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Dear all,

I contacted the governance and IT team of the DCMI (Dublin Core Metadata Initiative; see <https://www.dublincore.org/>) regarding this issue.

Am 05.05.2020 um 13:30 schrieb Christian Rößiger:

- > After some research I found out that the cause of the problem
- > seems to be the change of the URL for the DC files from http:// to
- > https://. Calling the (old) http-URL with a web browser still works,
- > because the DC server apparently answers with a http redirect response
- > code (308?) and the new address, which the browser processes
- > automatically. However, various XML parsers / developing tools

Please find the answer of DCMI:

Am 21.06.2020 um 16:15 schrieb Paul Walk:

- > I have managed to disable the global automatic redirect from HTTP to HTTPS that was
- > configured by default in the [dublincore.org](https://www.dublincore.org/) kubernetes ingress controller. This means that for most
- > URLs in the 'dublincore.org' domain, both the HTTP and the HTTPS equivalents should work.
- >
- > There are still many redirects configured throughout the website - this reflects the fact that site
- > has been in continuous development and deployment for ~25 years and has been migrated

between hosts several times during that period.

>

> I am still a little unclear if it was the \*redirects\* which were causing the problems for the tools you mentioned, or if it was that they were unable to handle SSL?

>

> In any case, I believe that this change should address the immediate problem that you raised.

I hope this will solve the problem for the old versions, for all new versions railML.org shall use HTTPS for sure.

Best regards,

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Vasco Paul Kolmorgen - Governance Coordinator

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Subject: Re: Problems with HTTPS for Dublin Core schema solved

Posted by [Thomas Nygreen](#) on Tue, 23 Jun 2020 14:08:29 GMT

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Thank you, Vasco.

I have updated the trac ticket to reflect that there is no longer a need to fix the URI in the already published versions. <https://trac.railml.org/ticket/379>

Best regards,

Thomas

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