SSA-919955: Information Disclosure Vulnerability in Mendix Database Replication Module

Publication Date: 2021-05-11
Last Update: 2021-05-11
Current Version: V1.0
CVSS v3.1 Base Score: 4.3

SUMMARY
The latest update of Mendix Database Replication module fixes a information disclosure vulnerability. Mendix has released an update for the Mendix Database Replication module and recommends to update to the latest version.

AFFECTED PRODUCTS AND SOLUTION

<table>
<thead>
<tr>
<th>Affected Product and Versions</th>
<th>Remediation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mendix Database Replication:</td>
<td>Update to V7.0.1 or later version</td>
</tr>
<tr>
<td>All versions &lt; V7.0.1</td>
<td><a href="https://marketplace.mendix.com/link/component/160">https://marketplace.mendix.com/link/component/160</a></td>
</tr>
</tbody>
</table>

WORKAROUNDS AND MITIGATIONS
Siemens has not identified any specific mitigations or workarounds. Please follow General Security Recommendations.

GENERAL SECURITY RECOMMENDATIONS
As a general security measure, Siemens strongly recommends to protect network access to devices with appropriate mechanisms. In order to operate the devices in a protected IT environment, Siemens recommends to configure the environment according to Siemens’ operational guidelines for Industrial Security (Download: https://www.siemens.com/cert/operational-guidelines-industrial-security), and to follow the recommendations in the product manuals.

Additional information on Industrial Security by Siemens can be found at: https://www.siemens.com/industrialsecurity

PRODUCT DESCRIPTION
Database Replication module can be used to import data from existing databases into your Mendix application.

VULNERABILITY CLASSIFICATION
The vulnerability classification has been performed by using the CVSS scoring system in version 3.1 (CVSS v3.1) (https://www.first.org/cvss/). The CVSS environmental score is specific to the customer’s environment and will impact the overall CVSS score. The environmental score should therefore be individually defined by the customer to accomplish final scoring.

An additional classification has been performed using the CWE classification, a community-developed list of common software security weaknesses. This serves as a common language and as a baseline for
weakness identification, mitigation, and prevention efforts. A detailed list of CWE classes can be found at: https://cwe.mitre.org/.

**Vulnerability CVE-2021-31341**

Uploading a table mapping using a manipulated XML File results in an exception that could expose information about the Application-Server and the used XML-Framework.

<table>
<thead>
<tr>
<th>CVSS v3.1 Base Score</th>
<th>4.3</th>
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<tbody>
<tr>
<td>CWE</td>
<td>CWE-209: Generation of Error Message Containing Sensitive Information</td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

For further inquiries on security vulnerabilities in Siemens products and solutions, please contact the Siemens ProductCERT:

https://www.siemens.com/cert/advisories

**HISTORY DATA**

V1.0 (2021-05-11): Publication Date

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