

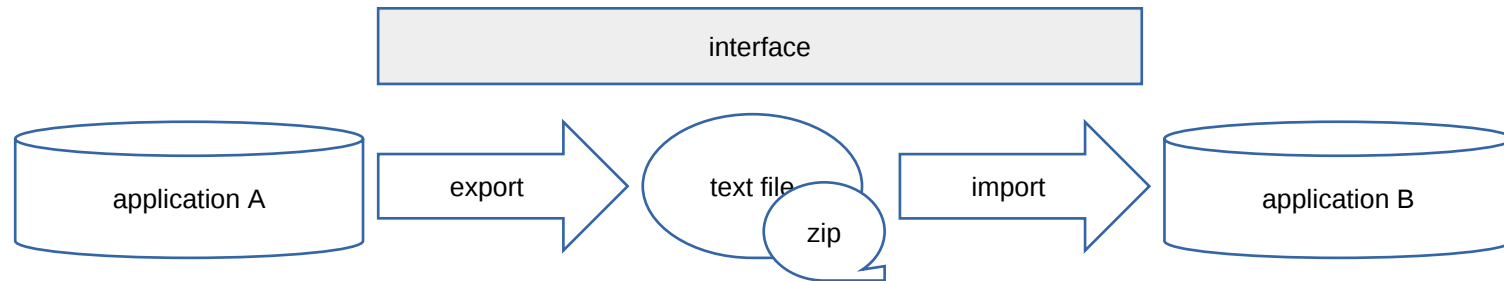


# **XML**

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# textfile

- A text file (flatfile) is a kind of computer file that is structured as a sequence of lines of electronic text.
- Because of their simplicity, text files are commonly used for storage of information.
- A simple text file may need no additional metadata to assist the reader in interpretation.
- There is no data structure



[https://en.wikipedia.org/wiki/Text\\_file](https://en.wikipedia.org/wiki/Text_file)

- XML stands for eXtensible Markup Language.
- XML was designed to store and transport data.
- XML was designed to be both human- and machine-readable.

```
<?xml version="1.0" encoding="UTF-8"?>
<breakfast_menu>
  <food>
    <name>Belgian Waffles</name>
    <price>$5.95</price>
    <description>Two famous Belgian Waffles</description>
    <calories>650</calories>
  </food>
  <food>
    . . .
  </food>
</breakfast_menu>
```

<https://www.w3schools.com/xml/>

# well formed XML

- XML documents must have a root element
- XML elements must have a closing tag
- XML tags are case sensitive
- XML elements must be properly nested
- XML attribute values must be quoted
- [https://www.w3schools.com/xml/xml\\_validator.asp](https://www.w3schools.com/xml/xml_validator.asp)
- <https://codebeautify.org/xmlviewer>

```

<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<Library>
  <Book id="1000">
    <Titel>C# Programming</Titel>
    <Category>
      Pro
      <NameGE>Programmieren</NameGE>
      <NameEN>Programming</NameEN>
    </Category>
    <Author>Anders Hejlsberg</Author>
    <Published>2010-10-31</Published>
    <Publisher>Addison-Wesley</Publisher>
  </Book>
  <Book id="1001">
    ...
  </Book>
</Library>

```

