

# XML Tutorial

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 Example 1

```
<?xml version="1.0" encoding="UTF-8"?>
<note>
  <to>Tove</to>
  <from>Jani</from>
  <heading>Reminder</heading>
  <body>Don't forget me this weekend!</body>
</note>
```

## XML Example 2

```
<?xml version="1.0" encoding="UTF-8"?>
<breakfast_menu>
  <food>
    <name>Belgian Waffles</name>
    <price>$5.95</price>
    <description>
      Two of our famous Belgian Waffles with plenty of real maple syrup
    </description>
    <calories>650</calories>
  </food>
  <food>
    <name>Strawberry Belgian Waffles</name>
    <price>$7.95</price>
    <description>
      Light Belgian waffles covered with strawberries and whipped cream
    </description>
    <calories>900</calories>
  </food>
  <food>
    <name>Berry-Berry Belgian Waffles</name>
    <price>$8.95</price>
    <description>
      Belgian waffles covered with assorted fresh berries and whipped cream
    </description>
    <calories>900</calories>
  </food>
  <food>
    <name>French Toast</name>
    <price>$4.50</price>
    <description>
      Thick slices made from our homemade sourdough bread
```

```
</description>
<calories>600</calories>
</food>
<food>
  <name>Homestyle Breakfast</name>
  <price>$6.95</price>
  <description>
    Two eggs, bacon or sausage, toast, and our ever-popular hash browns
  </description>
  <calories>950</calories>
</food>
</breakfast_menu>
```

---

## Why Study XML?

XML plays an important role in many different IT systems.

XML is often used for distributing data over the Internet.

It is important (for all types of software developers!) to have a good understanding of XML.

---

## What You Will Learn

This tutorial will give you a solid understanding of XML:

- What is XML?
  - How does XML work?
  - How can I use XML?
  - What can I use XML for?
- 

## Important XML Standards

This tutorial will also dig deep into the following important XML standards:

- [XML AJAX](#)
- [XML DOM](#)
- [XML XPath](#)
- [XML XSLT](#)
- [XML XQuery](#)
- [XML DTD](#)
- [XML Schema](#)
- [XML Services](#)

We recommend reading this tutorial, in the sequence listed in the left menu.