

Why XML or What are the Advantages of XML?

1) Using XML we can create our own Markup.

For Ex:

If working for a e-commerce application we can create an order XML which has a

```
<orderId>123</orderId>  
<shippingAddress>Some Address</shippingAddress>
```

2) The second and the major advantage of XML is that it carries data as well as metadata

By looking at 123 in the example above and the element wrapping it - orderId, we know that it is order id.

Looking at the shippingAddress element we know that it wraps address information.

3) The third and major advantage of XML is that it follows certain wellformedness rules. so we have to make sure the applications that are producing xml have to make sure that they are sending in clean and wellformed XML. If not applications processing the XML will reject the XML.

We can also validate the data using XML Schemas.

Example:

When amazon sends the order information we can validate the data against a schema file which we have agreed to before these applications are developed and integrated.

Summary:

- 1) Using XML we can create custom markup
- 2) This will have both data as well as the meta data which allows the application to exchange and make sense of the data.
- 3) XML also should be wellformed and can be validated against a schema file.