

GraphML (.xml or .graphml)

Description

(Taken from the homepage <http://graphml.graphdrawing.org/>)

GraphML is a comprehensive and easy-to-use file format for graphs. It consists of a language core to describe the structural properties of a graph and a flexible extension mechanism to add application-specific data. Its main features include support of * directed, undirected, and mixed graphs,

- hypergraphs,
- hierarchical graphs,
- graphical representations,
- references to external data,
- application-specific attribute data, and
- light-weight parsers.

Unlike many other file formats for graphs, GraphML does not use a custom syntax. Instead, it is based on XML and hence ideally suited as a common denominator for all kinds of services generating, archiving, or processing graphs.

Links

- Download Site: <http://graphml.graphdrawing.org/download.html>
- Home Page: <http://graphml.graphdrawing.org/>

Applications

Graph representation

Acknowledgements

- Ulrik Brandes ulrik.brandes@uni-konstanz.de
- Markus Eiglsperger eiglsper@web.de
- Jürgen Lerner lerner@inf.uni-konstanz.de

References

<http://graphml.graphdrawing.org/primer/graphml-primer.html>

Comments

```
<?xml version="1.0" encoding="UTF-8"?> <graphml xmlns="http://graphml.graphdrawing.org/xmlns"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://graphml.graphdrawing.org/xmlns
http://graphml.graphdrawing.org/xmlns/1.0/graphml.xsd">
<graph id="G" edgedefault="undirected">
<node id="n0"/>
<node id="n1"/>
<node id="n2"/>
<node id="n3"/>
<node id="n4"/>
<node id="n5"/>
<node id="n6"/>
<node id="n7"/>
<node id="n8"/>
<node id="n9"/>
<node id="n10"/>
<edge source="n0" target="n2"/>
<edge source="n1" target="n2"/>
<edge source="n2" target="n3"/>
<edge source="n3" target="n5"/>
<edge source="n3" target="n4"/>
<edge source="n4" target="n6"/>
<edge source="n6" target="n5"/>
<edge source="n5" target="n7"/>
<edge source="n6" target="n8"/>
<edge source="n8" target="n7"/>
<edge source="n8" target="n9"/>
<edge source="n8" target="n10"/>
</graph> </graphml>
```