

# IsaViz : a Visual Environment for Browsing and Authoring RDF

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# Contents:

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# Main Features:

- Zoomable User Interface (2.5D) for better navigation in large models
- Automatic graph layout
- RDF-aware editing capabilities
  - advanced search and selection
  - cut/copy/paste/undo
  - geometry
- Read and Write RDF/XML and N-Triple syntaxes
- ISV project files (XML format) – stores the geometry information
- Export to graphical formats (PNG, SVG)

# IsaViz

**GraphViz/dot**

*AT&T Research*

**Graph Layout**

**XVTM**

*Xerox Research Centre Europe*

**Zoomable User Interface**

**Jena**

*HP Labs*

**RDF Parsing/Serialization**

**Xerces**

*Apache*

**XML Parsing**

**Java2D**

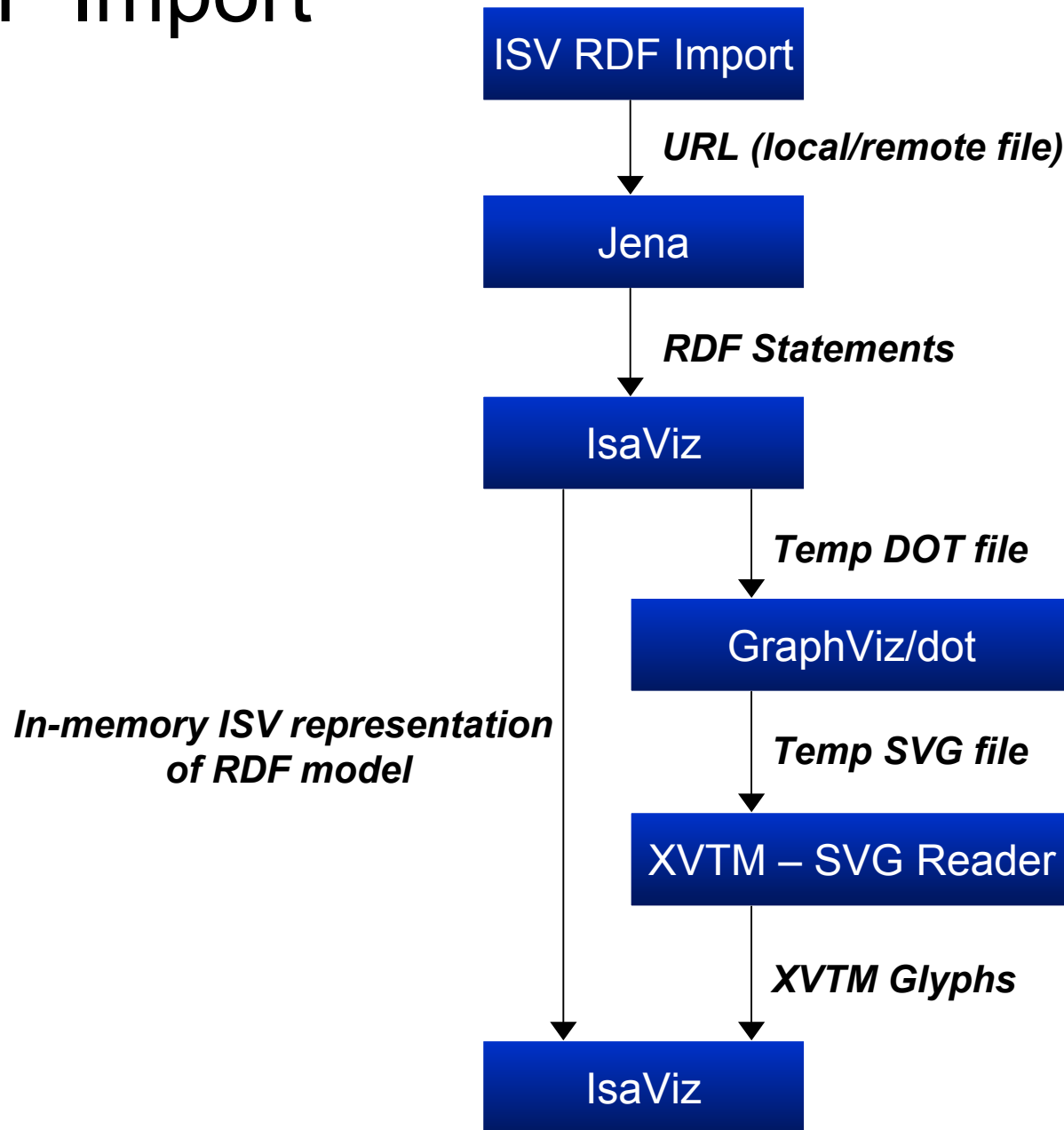
**Java Virtual Machine**

**Win32 / MacOS / Linux / Solaris / ...**

Requirements:

- JVM 1.3.x (1.4 recommended)
- Jena 1.2 or later
- GraphViz 1.8.x
- Xerces 1.4.x

# IsaViz RDF Import



# Next version: IsaViz 1.1

- Enhanced graphical performances (better mouse control in large RDF models)
- Bug fixes and support for latest versions of Jena (1.3.2) and GraphViz (1.8.5)

# Suggestions for Improvements

- Directed editing when an RDF Schema is available for the model
  - Suggest legal values (based on constraints like *rdfs:range* and *rdfs:domain*)
- Stylesheets assigning shape and color to resources (nodes) based on their type
- Alternative layout grouping all properties of a resource in some kind of table + appropriate representation of statements' objects
- Templates

<http://www.w3.org/2001/11/IsaViz/>