



XMLMill for Java

High volume xml-xsl to PDF Generation

Web: <http://www.xmlmill.com> Mail: support@xmlmill.com



XMLMill for Java

High Volume xml-xsl to PDF Generation

Agenda

- Business Case
- General concepts
- Usage
- Process
- Application servers
- O/S
- Licenses and prices
- References

XMLMill for Java:

Business Case

- You need to generate .pdf documents:
 - *on the fly (on-line)*
 - *in batch (off-line)*
- You need to modify existing .pdf documents:
 - *fill the Acrofields of existing documents*
 - *stamp pages of existing documents with new information (text, images, barcodes, ...).*
- Pdf documents need to be generated:
 - *In your web application (font-end – online)*
 - *In your backoffice (back-end – offline – in batch)*

XMLMill for Java:

General concepts

- 100% built in Java
- Generate PDF documents from XML data, combined with XSLT
- Modify PDF documents from XML data, combined with XSLT
- Suitable for generating/modifying :
 - *large number of PDF documents (in batch)*
 - *concurrent use (thread-safe)*
 - *PDF documents (1000+ pages)*
- XMLMill is JAXP (1.2 or 1.3) compliant

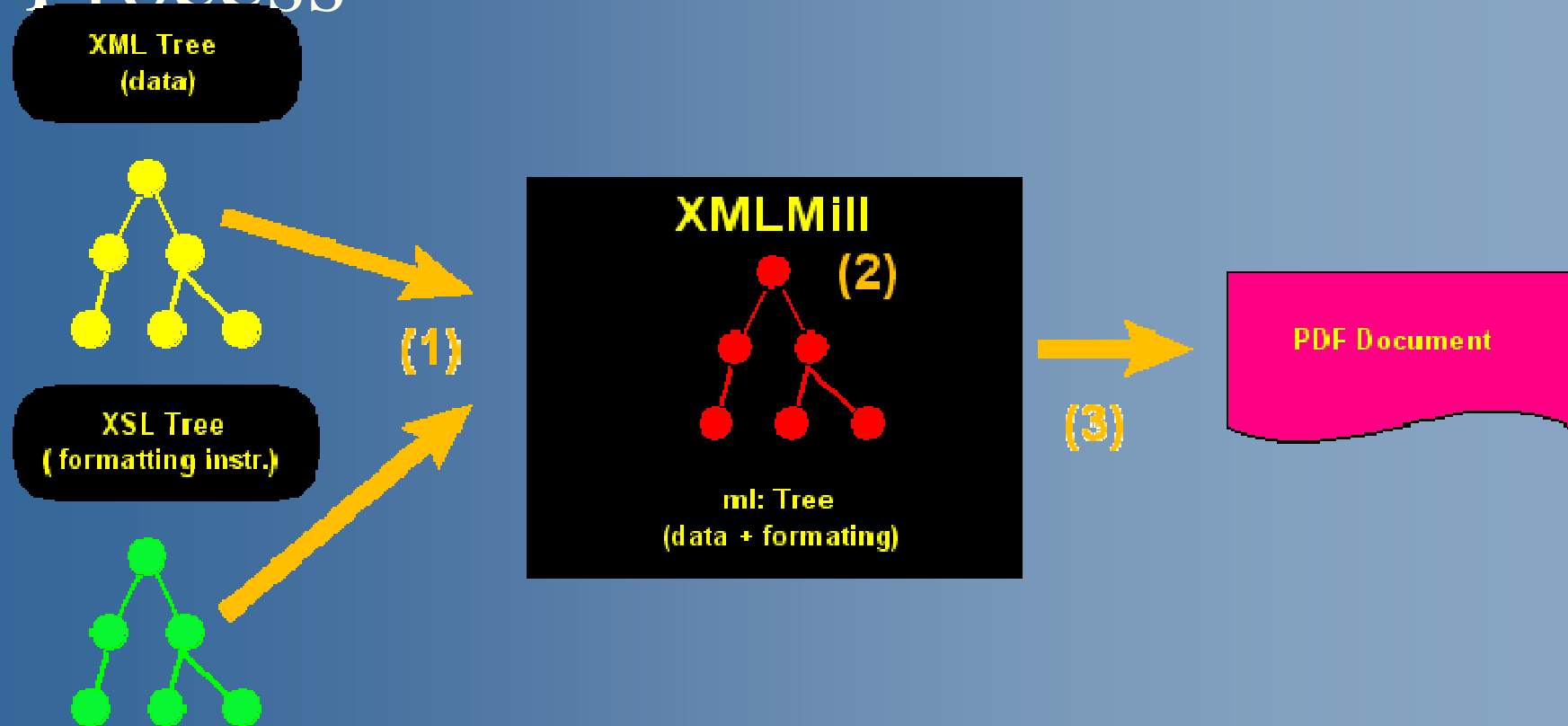


XMLMill for Java:

Usage

- XMLMill for Java can be used in:
 - *a browser (as an applet).*
 - *a Java stand-alone application (using the public API).*
 - *in a Java web application (servlet)*
 - *in a Java batch application (headless Unix supported)*

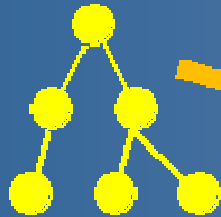
XMLMill for Java: Process



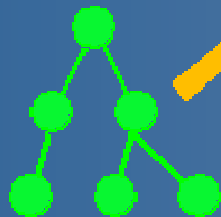
XMLMill for Java:

Process

XML Tree
(data)



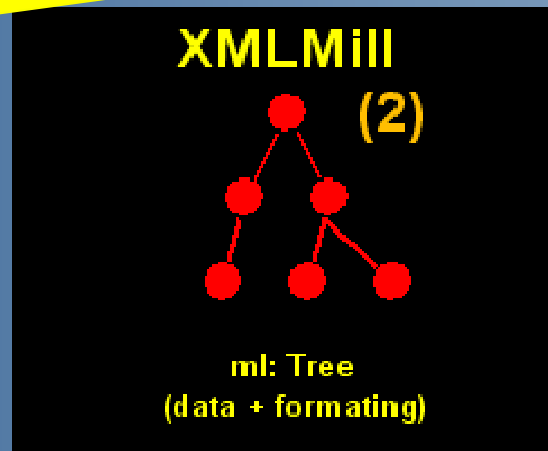
XSL Tree
(formatting instr.)



The XML document contains the data the pdf document should contain.

The XSL document contains the formatting instructions.

(1)



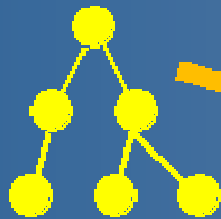
(3)



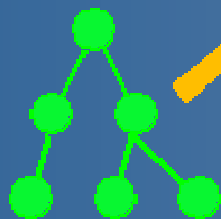
XMLMill for Java:

Process

XML Tree
(data)



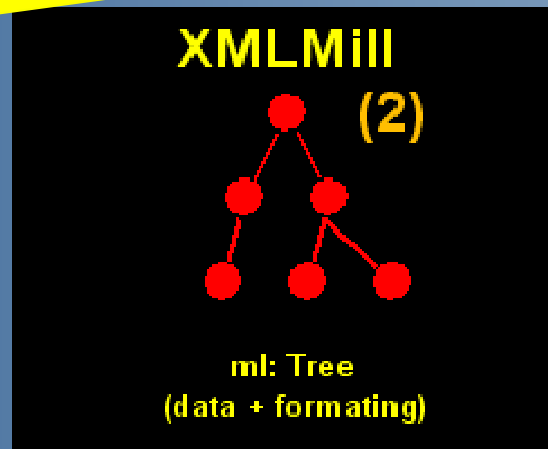
XSL Tree
(formatting instr.)



The XML document contains the data the pdf document should contain.

The XSL document contains the formatting instructions.

(1)



XML and XSL documents can be passed as:

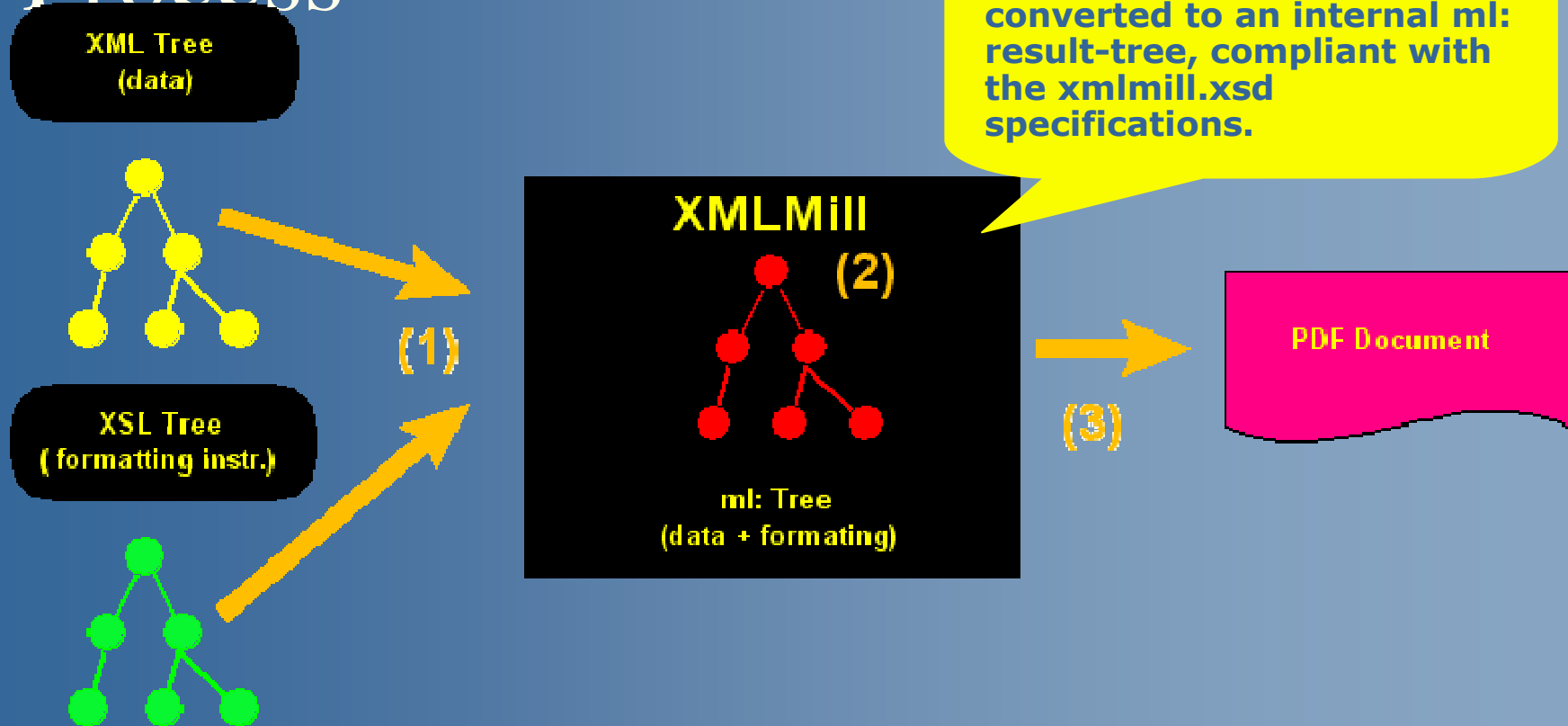
- `java.io.File` objects.
- `java.io.InputStream` objects.
- `java.net.URL` objects.
- `org.w3c.dom.Document` objects.

PDF Document

(3)

XMLMill for Java:

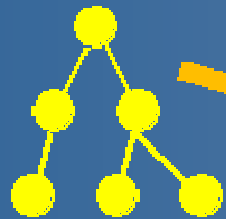
Process



XMLMill for Java:

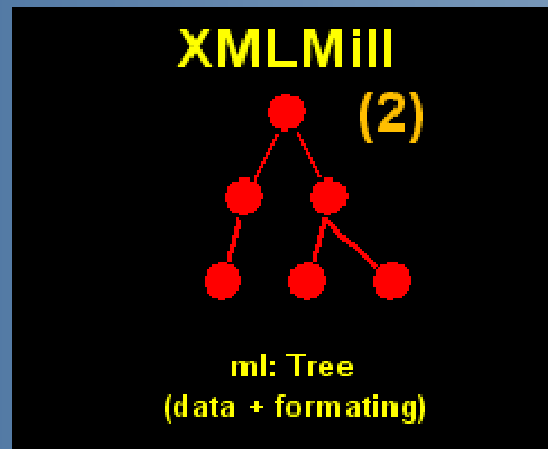
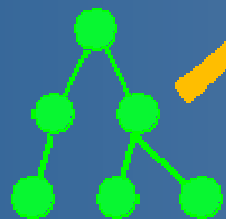
Process

XML Tree
(data)



(1)

XSL Tree
(formatting instr.)



(3)



The internal ml: result-tree is used to generate the PDF document(s).

XMLMill for Java:

Encryption and Digital Signatures

- XMLMill can encrypt and digitally sign documents when they are generated (**one-pass generation**).
- This is an important feature for High-Performance Web Applications, where the signing of PDF documents should be done as fast as possible without the need for disk space (in memory only, zero disk base use).
- Documents can be signed and encrypted **simultaneously**.

XMLMill for Java: Encryption and Digital Signatures

- The RSA crypto-system can be used for signing PDF documents.
- XMLMill supports:
 - *Self Signed Certificates (for testing purposes)*
 - *Thawte Certificates*
 - *Verisign Certificates*
 - *From any other institution that supports X509 DER encoded certificates*

XMLMill for Java:

Application servers

- XMLMill has been deployed successfully on different Application servers, including
 - *Apache Tomcat.*
 - *IBM WebSphere.*
 - *JServ*
 - *Jboss*
 - *Bea Weblogic*
 - *Oracle 9i Application Server*
 - ...

XMLMill for Java: O/S

- XMLMill has been deployed in production environments on a variety of O/S, including
 - *Windows NT, 2000, XP.*
 - *Solaris 8,9.*
 - *AIX*
 - *OS400*
 - *Different UNIX/Linux flavors.*
 - *...*

XMLMill for Java

Licenses and prices

- XMLMill for Java license is CPU based (!)
- XMLMill for Java Server license (*)
 - *You need to buy the number of licenses equal to the number of CPU's XMLMill for Java will be used on.*
- XMLMill for Java Site License (*)
 - *Allows XMLMill for Java to be installed on any number of machines at one site. A site is defined as one operational location.*

(*) Latest prices on <http://www.xmlmill.com/buy/xmlmillforjava.html>



References



MOTEK

WM-data

Helm Software



Sigma Health Care, Inc.
Home Health Services

SIEMENS

THE DOCUMENT COMPANY
XEROX

COX.net



WELLS
FARGO

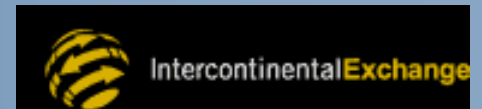


neoforma.



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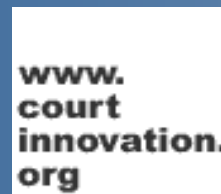
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References



AIDA



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