

Release Notes

XMLMill for Java - XMLMill for Domino

2.50

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1. Preface

The XMLMill application is intended for software developers who want to generate .pdf documents from xml and/or xsl.

For an overview of how to use XMLMill in general please consult in the **docs/** directory:.

- ◆ **apidoc/** -- The JavaDoc concerning the **XMLMill** public api.
- ◆ **userguide.pdf** -- XMLMill user's guide.
- ◆ **dtdguide.pdf** -- An explanation of XMLMill's elements (tags) and their attributes.
- ◆ **samplesguide.pdf** -- An overview of the examples in the **samples/** directory contained in the download.

If you have questions, please do not hesitate to send a mail to support@xmlmill.com.

☞ *This document is completely generated with XMLMill 2.50 using **rnotes250.xml** and **rnotes.xsl**. These files can be found in the directory **samples/docs/rnotes** in the download.*

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2. Upgrading from previous versions

2.1. Upgrading from version 2.21

No changes on .xsl/.mill/.mill or Java applications are required, but the use of the xmlmill.xsd of this version is required in order to be able to use the new functionalities.

2.2. Upgrading from earlier versions

The best procedure to make your transition as smooth as possible is as follows:

1. Back up all your xml/xsl/mill files or Java code.
2. Read all release notes <http://www.xmlmill.com/news.html> from your current version to the latest version in correct order (from oldest release notes to newest).
3. Modify your xml/xsl/mill files or Java code accordingly to the release notes.

☞ *Previous versions can be found at <http://www.xmlmill.com/download/xmlmillforjava.html#pv> or <http://www.xmlmill.com/download/xmlmillfordomino.html#pv>*

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3. What's new ?

3.1. XMLMill for Java

This release notes document describes all new (or enhanced) functionalities of version 2.50 of XMLMill. The main changes are:

- ◆ Support for Unicode True Type fonts.
- ◆ Ability to pre-load fonts when reading the configuration file, avoiding delay when the first document is generated (that uses the font(s)).
- ◆ Bug fixes.

3.2. XMLMill for Domino

This release notes document describes all new (or enhanced) functionalities of version 2.20 of XMLMill. The main changes are:

- ◆ Support for Unicode True Type fonts.
- ◆ Ability to pre-load fonts when reading the configuration file, avoiding delay when the first document is generated (that uses the font(s)).
- ◆ Bug fixes.



4. XMLMill for Java

4.1. True Type fonts

4.1.1. Description

TrueType fonts are supported with the following limitations:

- ◆ XMLMill supports only Unicode-enabled TrueType fonts, this means fonts with an internal **cmap** table for mapping internal glyph IDs (selectors) to Unicode characters.

Following file types are supported:

- ◆ Standalone TrueType fonts (*.ttf font files)
- ◆ Collection TrueType fonts (.ttc font files)

☞ *Technically the **TrueType** font is internally converted to a **CIDKeyedFont** font-type.*

☞ *Great care has been taken to process **.ttc** files as efficiently as possible, facilitating the generation of pdf documents with multiple TrueType fonts.*

4.1.2. Defining TrueType fonts

A TrueType font is defined the same way as a Type1 fonts, by defining the fonts in the **config.xml** configuration file.

Example: Define a **truetype** font, based on a **.ttf** file:

```
<font font-type="truetype" embed="on" subset="on"
      track-kerning="on" pair-wise-kerning="on"
      font-program-file="file:/C:/XMLMill1250/fonts/arial.ttf">
  <font-info font-name="Arial" font-style="normal" font-weight="normal"/>
</font>
```

Example: Define a **truetype** font, based on a **.ttc** file:

```
<font font-type="truetype" embed="on" subset="on"
      track-kerning="on" pair-wise-kerning="on"
      font-program-file="file:/C:/XMLMill1250/fonts/simsun.ttc">
  <font-info font-name="Arial" font-style="normal"
            font-weight="normal" font-index="0" />
</font>
```

☞ *There is only one new attribute: the **font-index** attribute, used to define the location of a TrueType font in a **.ttc** file.*

☞ *Note that only the **font-program-file** attribute is used to define a TrueType font, the **font-metrics-file** attribute is not used.*

4.2. Pre-loading fonts

Description:

As of this version fonts can be preloaded. This means loading the fontmetrics data for a font when XMLMill is configured (technically speaking when the **Configure.configure()** is called).

To indicate whether or not a font is preloaded, the **** element in the **config.xml** file is extended with one new attribute: **load-on-startup**

4.2.1. Attribute: **load-on-startup**

Value: on | off

Initial: off

Description:

The **load-on-startup** attribute defines whether or not the font-metrics data of a font should be preloaded, this means loading the fontmetrics data for a font when XMLMill is configured (technically speaking when the **Configure.configure()** is called).

Values have the following meaning:

on The font-metrics data is preloaded.

off The font-metrics data is not preloaded. It will be loaded when the first documents is generated using that font.

Example: Define a **truetype** font, based on a **.ttc** file and preload the font-metrics:

```
<font font-type="truetype" embed="on" subset="on"
  track-kerning="on" pair-wise-kerning="on"
  font-program-file="file:/C:/XMLMill150/fonts/caligula/arial.ttf">
  load-on-startup='on'
  <font-info font-name="Arial" font-style="normal"
    font-weight="normal" font-index="0" />
</font>
```



5. XMLMill for Domino

5.1. True Type fonts

Please visit the [True Type fonts](#) section in the previous chapter.

5.2. Pre-loading fonts

Please visit the [Pre-loading fonts](#) section in the previous chapter.

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6. Bugfixes

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