# XML CATALOGS

Developer Meetup, February 23rd

WHAT IS IT AND WHY SHOULD I BE USING IT?

#### XML SCHEMAS

So where's LOVC.Retsinfo.LexDania\_2.1.xsd

#### DTDS

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE LOV PUBLIC "-//Thomson Information AS//DTD LOV//DK"
   "alllov.dtd">
   <LOV DOKVERSTYPE="V" ID="LBKG20131073" IKRAFTDATO="20110407">
   <L>
        <TITEL>Lovbekendtg?relse <DATO>2013-09-04</DATO> <LOVNR>nr. 1073</LOVNR> <N
        ...
</LOV>
```

So where's alloy.dtd?



```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:fo="http://www.w3.org/1999/XSL/Format">
  <xsl:import href="http://ns.karnovgroup.com/stylesheets/markdown/kgbook/fo/kg...
</xsl:stylesheet>
```

So where's ns.karnovgroup.com/.../kgbook.xsl?

#### 

```
~/src/xml-toolbox/
 -- schemas
   --- catalog-ncr.xml
   - catalog-utf-8.xml
    --- catalog.xml
    ├── fid.xml
    ├── ft.xml
    --- general.xml
    ├── kgentities-ncr.xml
   ├── kgentities-utf-8.xml
    - ns.karnovgroup.com
    ├── oxygenxml
    --- www.retsinformation.dk
    └── xhtml.xml
  stylesheets
    — docbook.sourceforge.net
    - ns.karnovgroup.com
    └── www.xsltfunctions.com
```

#### CATALOG.XML

### NOKOGIRI???

It's just LibXML

Run your ruby stuff with environment variable set

XML\_CATALOG\_FILES='MY-PATH-TO-MY-CATALOG.xml' ruby ...

... or use the xml-toolbox

### XML-TOOLBOX

require 'nokogiri'
require 'xml\_toolbox'
XmlToolbox.utf8\_catalog\_resolver

### DEMOS

Play arount with xmlcatalog (part of the libxml package):

xmlcatalog path-to-my-catalog.xml public-or-system-identifier

This should fail because it cannot find the DTD file

ruby nokogiri-without-toolbox.rb VL2000\_B\_1301\_98.xml

This should succeed because the catalog resolved it

ruby nokogiri-with-toolbox.rb VL2000\_B\_1301\_98.xml

This should show DTD errors

ruby nokogiri-with-toolbox.rb VL2000\_B\_1301\_98-wrong.xml

# DONE!

http://xmlsoft.org/catalog.html

https://github.com/karnov/xml-toolbox/