Strigil

A framework for data extraction

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Project Strigil

- Represents an extendible, scalable and complete web scraping tool with RDF output.

Strigil Script

```
<scr:script xmlns:scr="http://sourceforge.net/projects/strigil/" version="1.0" type="HTML"  pc: http://purl.
org/procurement#  type="HTML">
        <!-- root template -->
        <scr:call-template name="rootTemplate" type="http/GET">
                <scr:value-of text="http://www.isvzus.cz/cs/Searching/ContractWinners"/>
        </scr:call-template>

        <scr:template name="rootTemplate" mime="text/html">
                <scr:call-template name="ContractDetail" type="http/GET">
                        <scr:value-of select="div#SearchGrid div.t-grid-content table tr td a @href"/>
                </scr:call-template>
        </scr:template>

        <scr:template name="ContractDetail" mime="text/html">
                <scr:onto-elem rel="pc:Contract" typeof="pc:Contract" about="">
                        <scr:value-of select="input#FormItems_SpisCislo_IV_3_1 @value" property="pc:
        referenceNumber" />
                        <scr:value-of select="textarea#FormItems_StrucnyPopis_II1_4" property="pc:description" />
                </scr:onto-elem>
        </scr:template>
</scr:script>
```

Web UI

STRIGIL

Home Ontologies Scripts list Results Download constraints Logs Users list Log out

Script Templates

Save

rootTemplate | New template

rootTemplate

Variables & Parameters

Elements

contractDetail (CallTemplate)

(ValueSelectType)

Delete

Element edit

Name: ...

Select: body div#main div#panel-left div#menu ul li.folder ul li

Text: ...

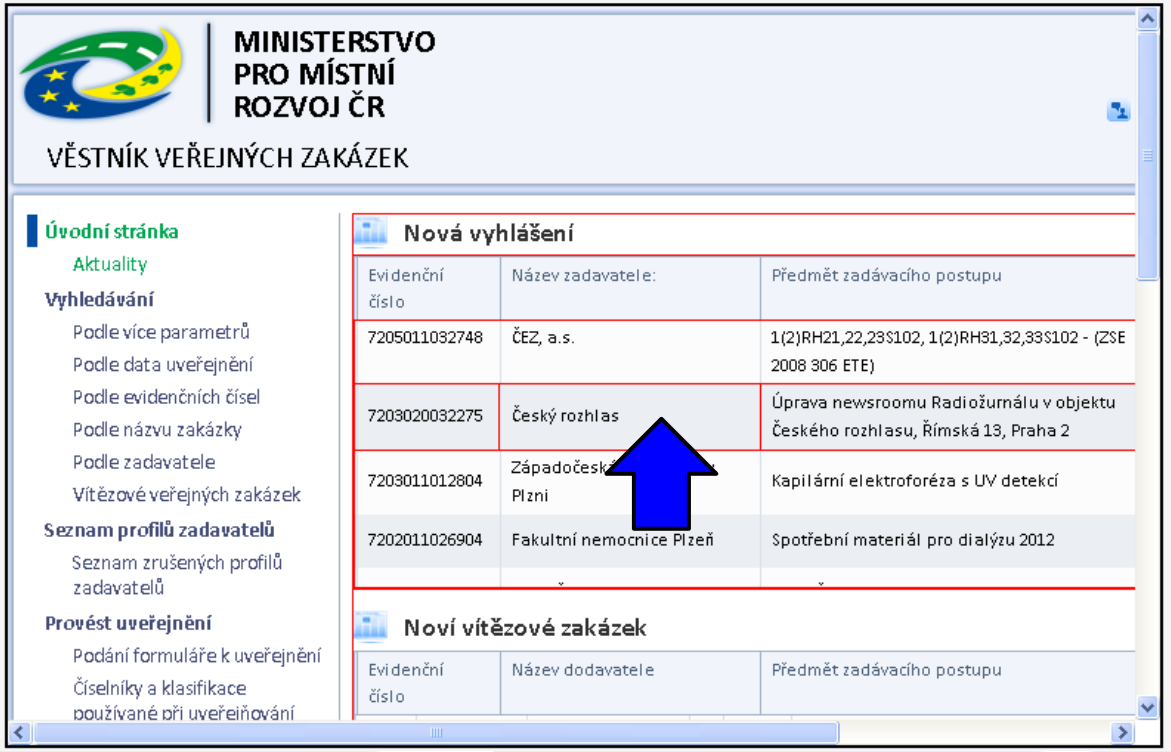
Var: ...

Regexp: ...

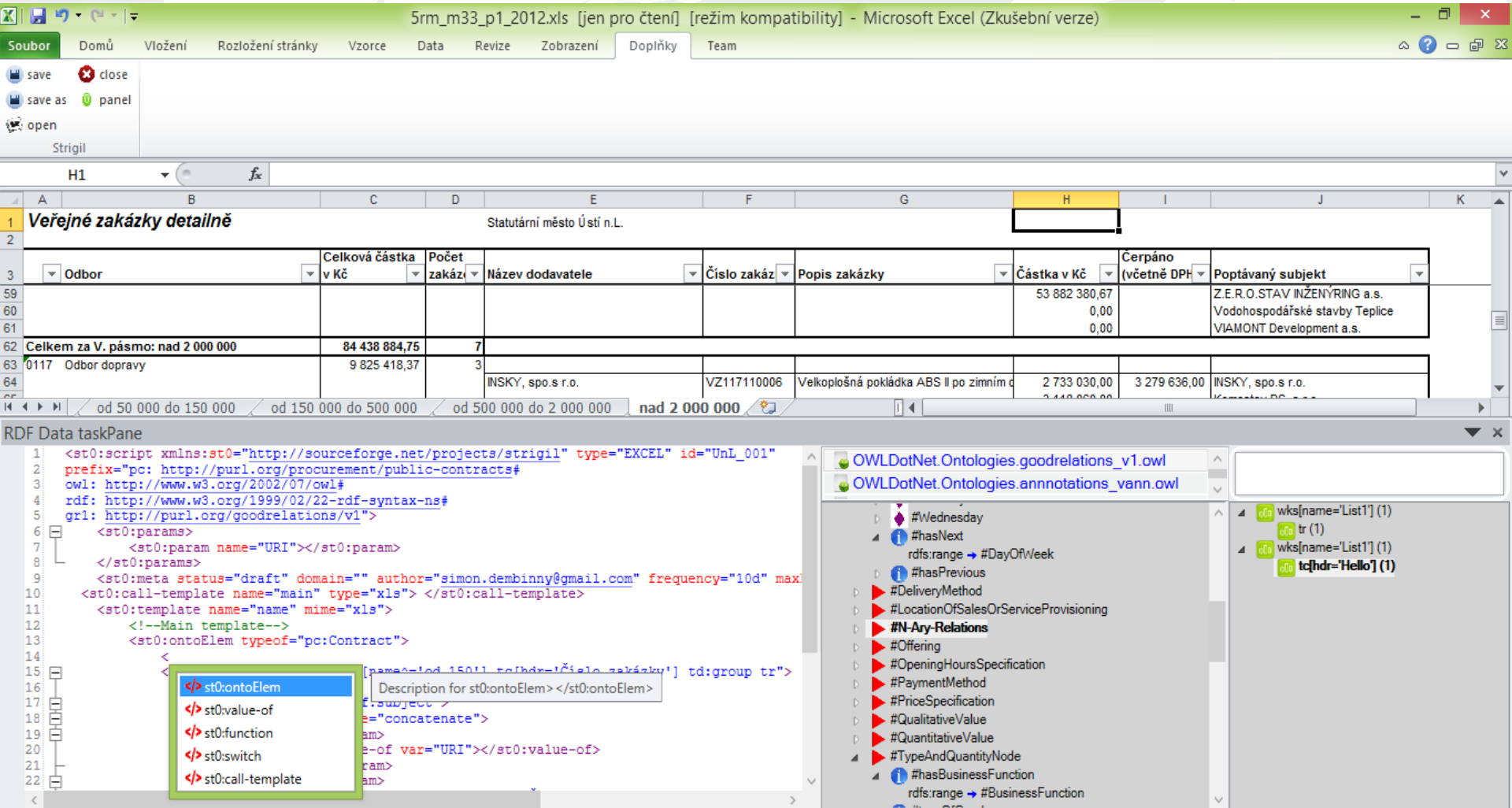
Replace: ...

Ontologies

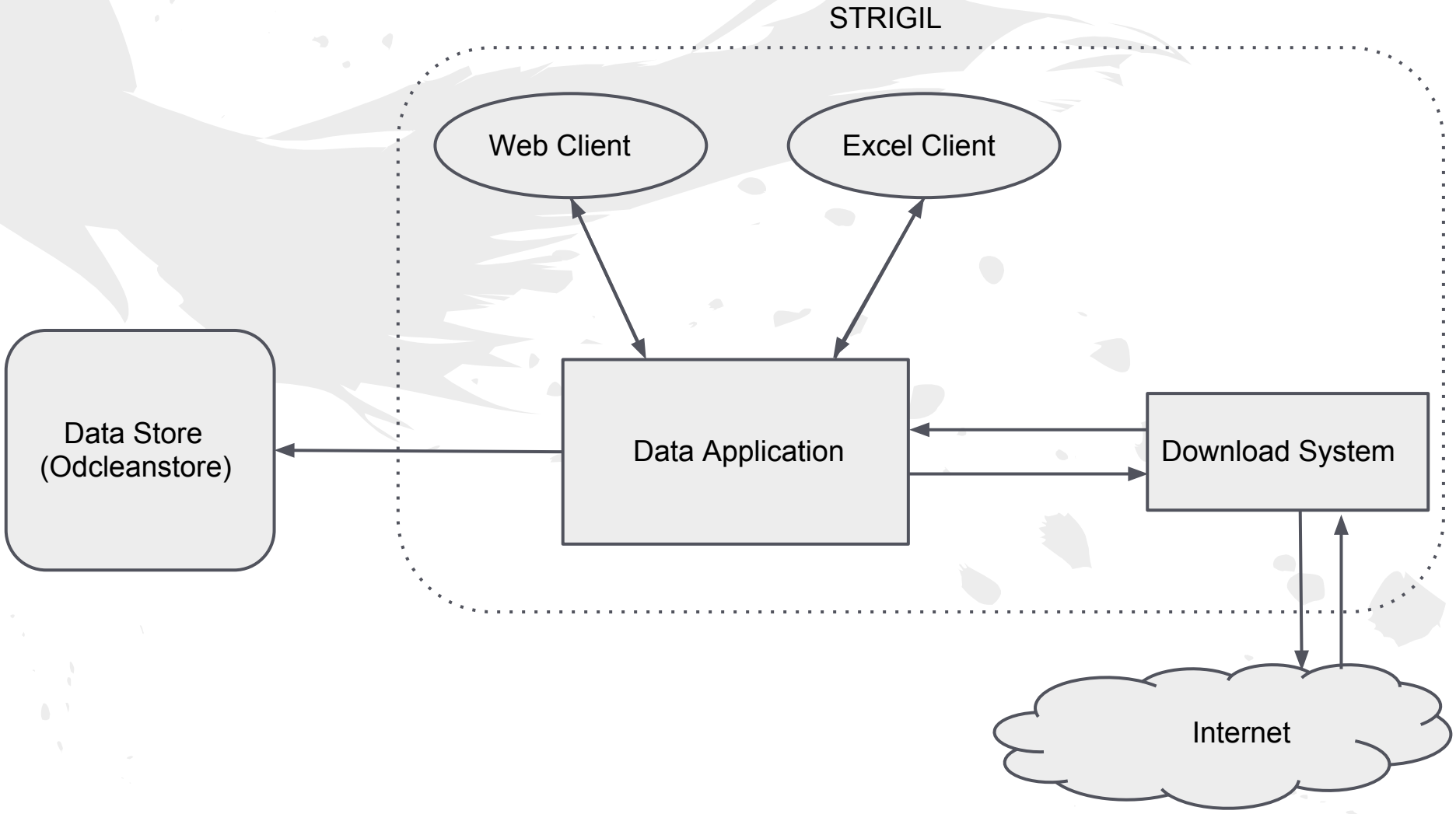
Create ontoElem



Excel Addon


5rm_m33_p1_2012.xls [jen pro čtení] [režim kompatibility] - Microsoft Excel (Zkušební verze)
Soubor
Domů
Vložení
Rozložení stránky
Vzorce
Data
Revize
Zobrazení
Doplňky
Team
save
close
save as
panel
open
Strigil
H1
Veřejné zakázky detailně
Statutární město Ústí n.L.
Odbor
Celková částka v Kč
Počet zakáz
Název dodavatele
Číslo zakáz
Popis zakázky
Částka v Kč
Čerpáno (včetně DPH
Poptávaný subjekt
53 882 380,67
Z.E.R.O.STAV INŽENÝRING a.s.
0,00
Vodohospodářské stavby Teplice
0,00
VIAMONT Development a.s.
Celkem za V. pásmo: nad 2 000 000
84 438 884,75
7
0117 Odbor dopravy
9 825 418,37
3
INSKY, spo.s r.o.
VZ117110006
Velkoplošná pokládka ABS II po zimním o
2 733 030,00
3 279 636,00
INSKY, spo.s r.o.
od 50 000 do 150 000
od 150 000 do 500 000
od 500 000 do 2 000 000
nad 2 000 000
RDF Data taskPane
<st0:script xmlns:st0="http://sourceforge.net/projects/strigil" type="EXCEL" id="UnL_001"
prefix="pc: http://purl.org/procurement/public-contracts#
owl: http://www.w3.org/2002/07/owl#
rdf: http://www.w3.org/1999/02/22-rdf-syntax-ns#
gr1: http://purl.org/goodrelations/v1">
<st0:params>
<st0:param name="URI"></st0:param>
</st0:params>
<st0:meta status="draft" domain="" author="simon.dembinny@gmail.com" frequency="10d" max
<st0:call-template name="main" type="xls"> </st0:call-template>
<st0:template name="name" mime="xls">
<!--Main template-->
<st0:ontoElem typeof="pc:Contract">
st0:ontoElem
st0:value-of
st0:function
st0:switch
st0:call-template
Description for st0:ontoElem> </st0:ontoElem>
OWLDotNet.Ontologies.goodrelations_v1.owl
OWLDotNet.Ontologies.annnotations_vann.owl
#Wednesday
#hasNext
rdfs:range → #DayOfWeek
#hasPrevious
#DeliveryMethod
#LocationOfSalesOrServiceProvisioning
#N-Ary-Relations
#Offering
#OpeningHoursSpecification
#PaymentMethod
#PriceSpecification
#QualitativeValue
#QuantitativeValue
#TypeAndQuantityNode
#hasBusinessFunction
rdfs:range → #BusinessFunction
wks[name='List1'] (1)
tr (1)
wks[name='List1'] (1)
tc[hdr='Hello'] (1)

Architecture



Results

- finished scraping on various public data sources
  - http://www.isvzus.cz/
  - http://www.mpsv.cz
  - http://www.ted.europa.eu
  - http://www.ezak.cz/
- integration with ODCleanStore

Project Info

- web: http://strigil.sourceforge.net/
- release: 29. November 2012

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