



LarKC平台下载和安装

2010年4月8日

前期准备工作

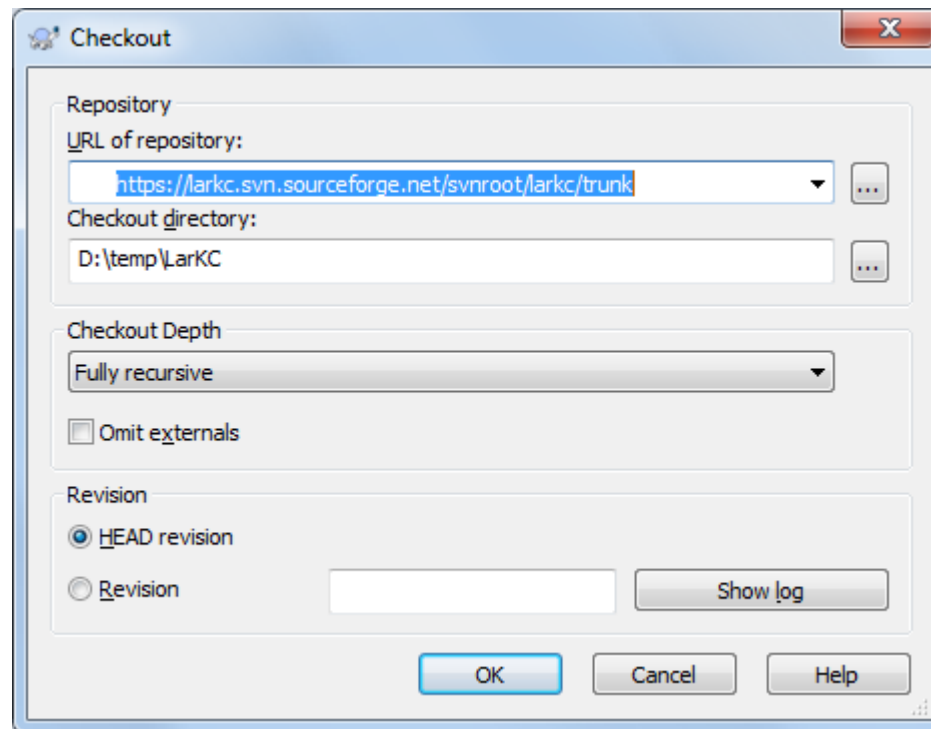


- 如果要运行LarKC平台，首先需要下载和安装下列程序
- 部分需要正确配置环境变量
 - Java development kit (JDK) 1.6
 - Svn client (如TortoiseSVN或者CollabNetSVN)
 - Apache Ant
 - Java集成开发环境(IDE) (比如Eclipse或者Netbeans等)

下载程序代码



- 源代码可以从LarKC网站获得，使用SVN客户端，就可以只下载更新的代码部分
- 开启TortoiseSVN客户端，建立存储目录，地址为：
<https://larkc.svn.sourceforge.net/svnroot/larkc/trunk>



检查程序代码



- 当将程序下载到硬盘后，进入目录并检查代码
- LarKC资源代码由两个重要部分组成：一个平台和一个插件集合。这个平台具有LarKC的主要特征，即允许插件开发，以工作流形式构建，并可以运行试验
- LarKC中五种主要类型的插件主要包括：决策机，识别器，推理机，选择器以及转换器。单个插件的结构如下
 - `plug-ins / plug-in type [Decide, Identify, Reason, Select, Transform] / ...`
 - `... Plug-in name / lib - for storing the libs, src - the source code`



插件类型的模板

- 该插件集合当中包含了每一种插件类型的模板 (template_type)，这些模板也许对开发新的相关类型的插件有些帮助

- 在当前设计中，该平台（或者一个单独的插件）都是被分别编译的单独的软件项目。编译插件的唯一前提要求是编译平台代码的有效性。

```
LarkG-trunk
├── .svn
├── platform
├── plugins
│   ├── .svn
│   ├── decide
│   ├── identify
│   │   ├── .svn
│   │   ├── EventIdentifier
│   │   ├── RemoteGraphLoader
│   │   ├── SimpleFileReaderIdentifier
│   │   ├── SindiceTriplePatternIdentifier
│   │   ├── article
│   │   └── template_identifier
│   ├── reason
│   ├── select
│   └── transform
```

编译程序代码



- 当将程序下载到硬盘后，进入目录并检查代码，然后运行Ant程序。

```
>cd platform
```

```
>ant
```

```
Buildfile: build.xml
```

```
compile:
```

```
[javac] Compiling 706 source files to D:\temp\platform\bin
```

```
makejar: [jar] Building jar:
```

```
    D:\temp\platform_v03\release\LarkC.jar
```

```
release:
```

```
main: [echo] LarkC is ready to run! (/release/LarkC.bat)
```

编译程序代码演示图



□ 检查Java与Ant配置情况

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 5.2.3790]
(C) 版权所有 1985-2003 Microsoft Corp.

C:\Documents and Settings\Wang>java -version
java version "1.6.0_16"
Java(TM) SE Runtime Environment (build 1.6.0_16-b01)
Java HotSpot(TM) 64-Bit Server VM (build 14.2-b01, mixed mode)

C:\Documents and Settings\Wang>ant -version
Apache Ant version 1.8.0 compiled on February 1 2010
C:\Documents and Settings\Wang>_
```

编译LarKC平台



The screenshot displays a Windows XP desktop environment. In the foreground, a file explorer window titled 'platform' is open, showing the directory structure of the LarkC platform. The address bar indicates the path 'D:\LarKC_Source_Code\CHECKOUT\larkc\platform'. The main pane shows folders like .svn, conf, dist, docs, ext, lib, src, test, and files like build.xml, NOTICE.txt, classpath, and .project. A taskbar window titled 'C:\WINDOWS\system32\cmd.exe' is open, showing the execution of an Ant build script. The command prompt output is as follows:

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 5.2.3790]
(C) 版权所有 1985-2003 Microsoft Corp.

C:\Documents and Settings\Wang>d:
D:\>cd larkc_source_code\checkout\larkc\platform
D:\LarKC_Source_Code\CHECKOUT\larkc\platform>ant
Buildfile: D:\LarKC_Source_Code\CHECKOUT\larkc\platform\build.xml

init:
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\platform\bin

compile:
[javac] D:\LarKC_Source_Code\CHECKOUT\larkc\platform\build.xml:36: warning:
'includeruntime' was not set, defaulting to build.sysclasspath=last; set to f
alse for repeatable builds
[javac] Compiling 717 source files to D:\LarKC_Source_Code\CHECKOUT\larkc\pl
atform\bin
[javac] Note: Some input files use or override a deprecated API.
[javac] Note: Recompile with -Xlint:deprecation for details.
[javac] Note: Some input files use unchecked or unsafe operations.
[javac] Note: Recompile with -Xlint:unchecked for details.

dist:
[copy] Copying 2 files to D:\LarKC_Source_Code\CHECKOUT\larkc\platform\dist
\conf
[jar] Building jar: D:\LarKC_Source_Code\CHECKOUT\larkc\platform\dist\bin\l
arkc-platform.jar
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\platform\bin
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\platform\dist
\conf\bin

BUILD SUCCESSFUL
Total time: 17 seconds
D:\LarKC_Source_Code\CHECKOUT\larkc\platform>
```



编译LarKC插件集



The screenshot displays a Windows XP desktop environment. On the left, a file explorer window is open to the directory `D:\LarKC_Source_Code\CHECKOUT\larkc\plugins`. The file explorer shows a folder named `transform` and a file named `build.xml` (XML document, 2 KB). The taskbar at the bottom shows the Start button, the file explorer window, and a command prompt window.

The command prompt window is titled `C:\WINDOWS\system32\cmd.exe` and shows the following output:

```
form\XML2RDFTransformer\bin
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\XML2RDFTransformer\dist

init:
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\g
ate\bin
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\g
ate\dist
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\g
ate\dist\lib

compile:
[javac] D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\gate\build.xml
:36: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=
last; set to false for repeatable builds
[javac] Compiling 1 source file to D:\LarKC_Source_Code\CHECKOUT\larkc\plugi
ns\transform\gate\dist

dist:
[copy] Copying 2 files to D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\gate\dist\lib
[copy] Copying 2 files to D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\gate\dist
[jar] Building jar: D:\LarKC_Source_Code\CHECKOUT\larkc\platform\dist\plug
ins\gate_transform.larkc
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\gate\bin
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\gate\dist

init:
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\
template_transformer\bin
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\
template_transformer\dist
[mkdir] Created dir: D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\
template_transformer\dist\lib

compile:
[javac] D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\transform\template_trans
former\build.xml:35: warning: 'includeantruntime' was not set, defaulting to bui
ld.sysclasspath=last; set to false for repeatable builds
[javac] Compiling 1 source file to D:\LarKC_Source_Code\CHECKOUT\larkc\plugi
ns\transform\template_transformer\dist

dist:
[copy] Copying 2 files to D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\template_transformer\dist
[jar] Building jar: D:\LarKC_Source_Code\CHECKOUT\larkc\platform\dist\plug
ins\template_transformer.larkc
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\template_transformer\bin
[delete] Deleting directory D:\LarKC_Source_Code\CHECKOUT\larkc\plugins\trans
form\template_transformer\dist

BUILD SUCCESSFUL
Total time: 7 seconds
D:\LarKC_Source_Code\CHECKOUT\larkc\plugins>
D:\LarKC_Source_Code\CHECKOUT\larkc\plugins>
```

运行LarKC平台程序演示图



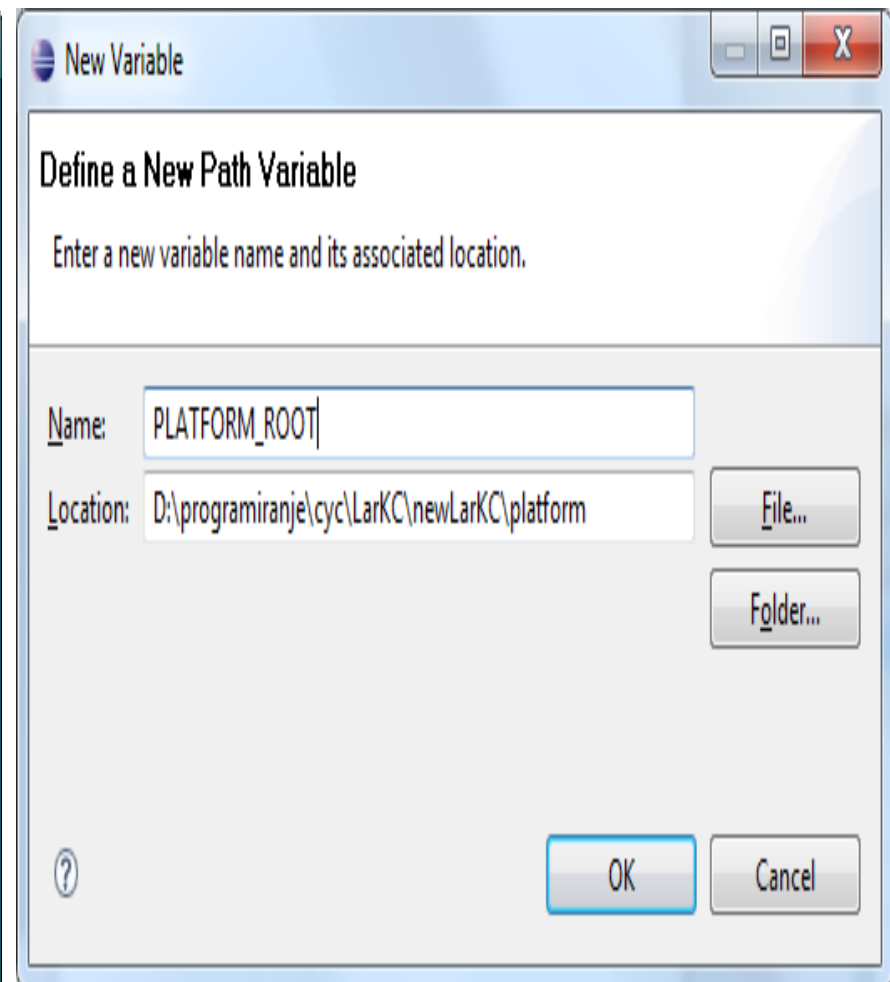
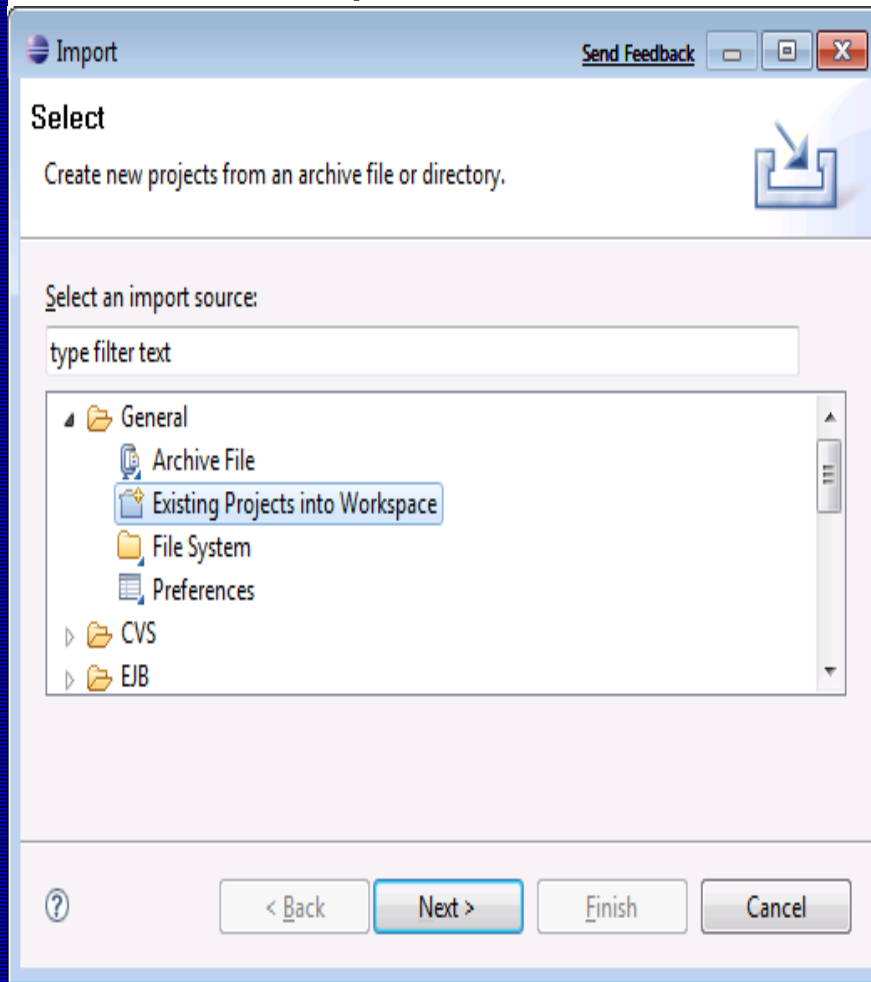
■ Run-larkc部分演示图

```
...LarKC SPARQL server started on port 8000.  
  
2 Initializing HL backing store caches from units/tiny/.  
  
Loading late-breaking OE changes ....  
  
Enabling base TCP services to port 3600.  
Initialization time = 8.157 secs.  
  
Start time: Sun Mar 01 10:44:04 CST 2009  
Lisp implementation: Cycorp Java SubL Runtime Environment  
JVM: Sun Microsystems Inc. Java HotSpot(TM) Client UM 10.0-b19  
Current KB: 2  
Patch Level: 10.126698  
Running on: lipeiqla-25ef40  
OS: Windows XP 5.1 (x86)  
Working directory: D:\BabyLarKC_v0.3\release  
Total memory allocated to UM: 147MB.  
Memory currently used: 82MB.  
Memory currently available: 64MB.  
  
Ready for services.  
LarKC(1):
```

向Eclipse中导入平台



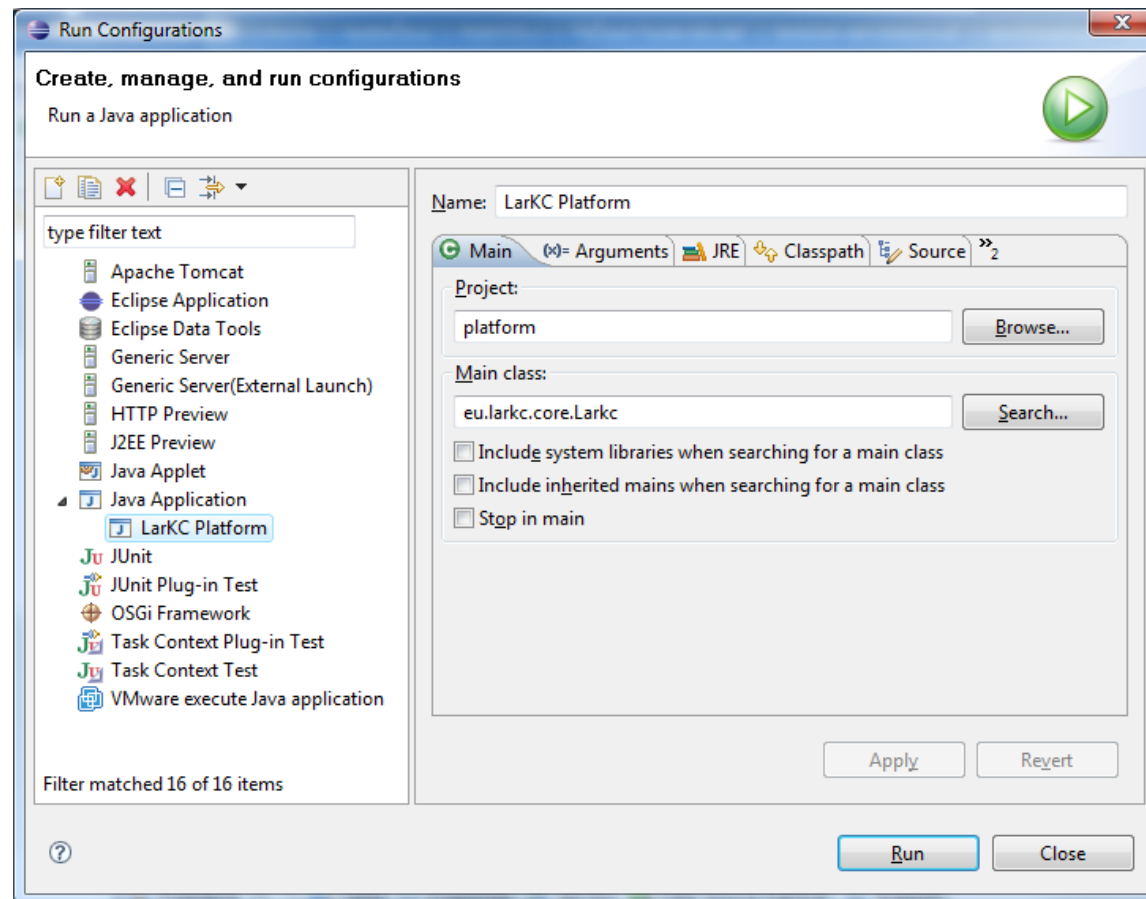
- 打开Eclipse将平台导入新建工程中并在首选项中配置变量



运行配置



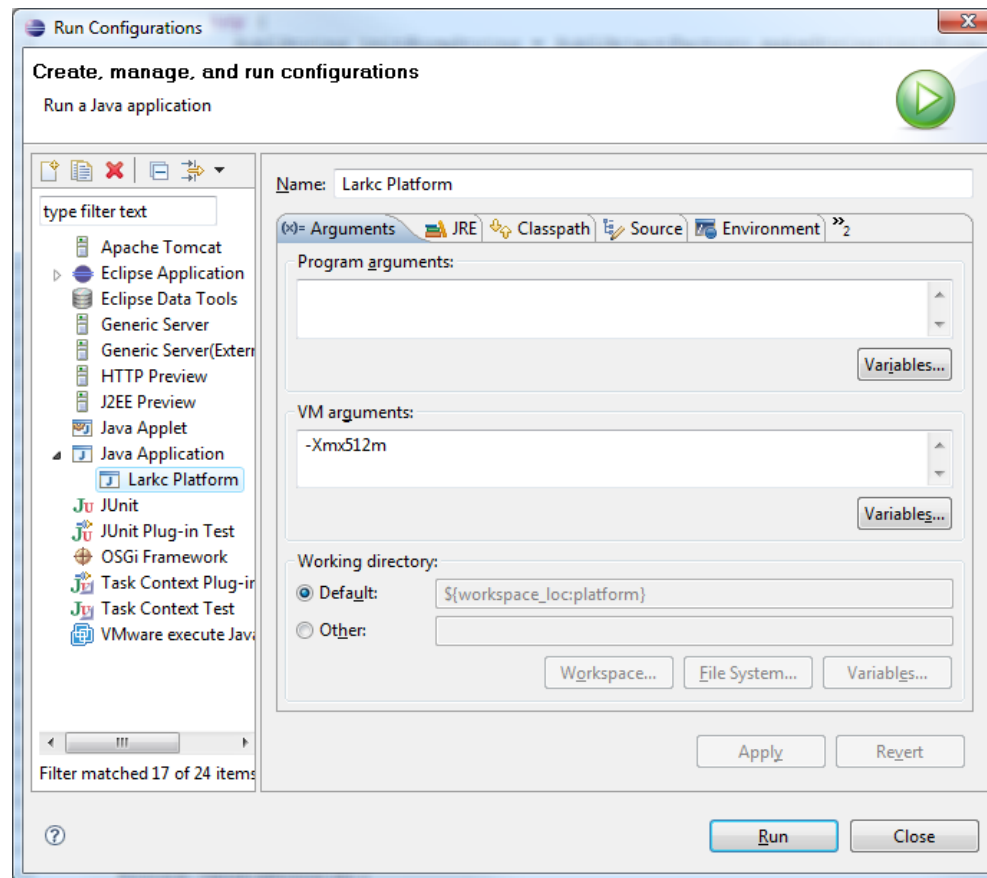
- 在左侧找到项目，将这个项目勾选至你刚才导入的平台，写入`eu.larkc.core.Larkc`作为Main类程序入口



32位Java需设置内存



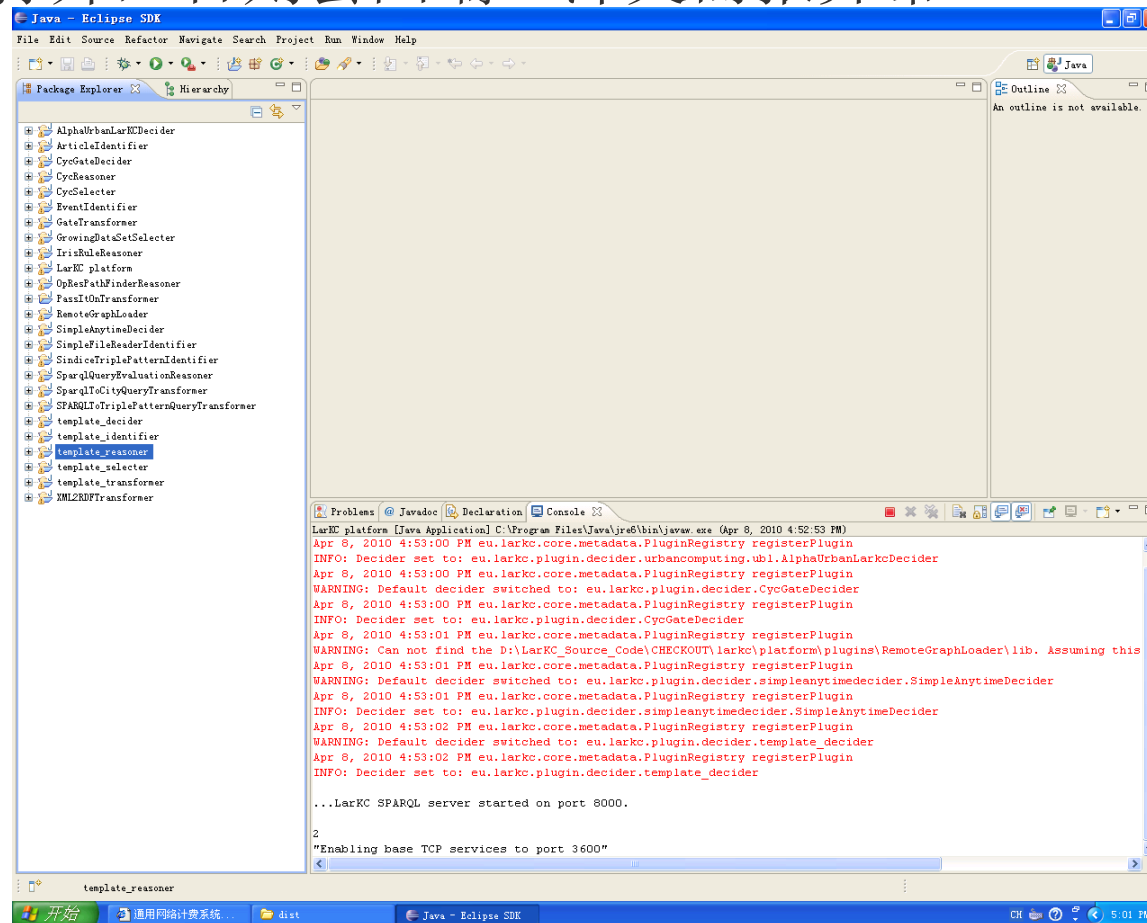
- “VM arguments”参数仅在你运行32位版本的Java，或者因为你的插件集溢出内存时被需要，在其中加入“-Xmx512m”



正确导入平台与插件集



- 正确导入LarKC平台与插件集，注意不要将run-larkc与此一同打开，否则会因端口冲突而报异常



LarKC_release_1.0_candidate



- 新版本LarkC平台增添了Demonstrator
- 导入Eclipse并运行程序入口main函数

```
package eu.larkc.demo;

import java.awt.BorderLayout;

/**
 * A GUI version of the Demo application.
 */
public class DemoGuiPipelineEditor
{
    private static Dimension WINDOW_SIZE = new Dimension(1024, 760);

    public static final Font font_plain = new Font("Arial", Font.PLAIN, 12);
    public static final Font font_bold = new Font("Arial", Font.BOLD, 12);
    public static final String NEW_LINE = System.getProperty("line.separator");

    public static final Color BACKGROUND_COLOR = new Color(32, 63, 103);

    private static boolean LOGGING = true;

    /**
     * Application entry point.
     * @param args
     */
    public static void main(String[] args)
    {
        // Set up the native look and feel
        try
        {
            UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
        }
        catch (Exception e)
        {
        }

        new JFrame();

        /*private static String SELECT_ALL_TRIPLES = "SELECT ?s ?p ?o " + NEW_LINE +
        source ?s ?p ?o .*/
    }
}
```


执行SPARQL Query中



LarKC Workflow Demonstrator

Query


```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
SELECT DISTINCT ?name where {
?person rdf:type foaf:Person.
?person foaf:name "Tim Berners-Lee".
?person2 rdf:type foaf:Person.
?person2 foaf:knows ?person.
?person2 foaf:name ?name.
}
```

Execute
Cancel
Reset

Plug-ins

Query Transformer	Identifier	Data Transformer	Selector	Reasoner
SPARQL->triple pattern	Sindice (triple pattern)	None	Growing data set	SPARQL only

Results



LarKC is processing the query...

执行SPARQL Query中



```
Java - Eclipse SDK
File Edit Navigate Search Project Run Window Help

[Problems] [Javadoc] [Declaration] [Console]
DemoGuiPipelineEditor [Java Application] C:\Program Files\Java\jdk.6.0.16\bin\javaw.exe (Apr 9, 2010 10:55:40 AM)
0 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - entity-index-size=10000000
0 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - tokenIndexCacheSize=1000
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - ruleset=empty
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - repository-type=file
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - keep-persisted-data=true
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - partial-rdfs=true
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - com.ontotext.ordi.wsmo4rdf.WsmoSource=com.ontotext.ordi.wsmo4rdf.impl.WsmoSourceImpl
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - org.wsmo.datastore.WsmoRepository=com.ontotext.ordi.wsmo4rdf.impl.WsmoSourceImpl
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - com.ontotext.ordi.tripleset.TSource=com.ontotext.ordi.trree.TREEAdapter
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - org.wsmo.datastore.DataStore=com.ontotext.ordi.wsmo4rdf.impl.WsmoSourceImpl
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - storage-folder=ordi-trree
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - cache-size=4096
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - itsLiteralsOnly=false
16 [Sindice RDF downloader] INFO com.ontotext.ordi.Factory - itsIndexPolicy=never
16 [Sindice RDF downloader] INFO com.ontotext.ordi.trree.TREEAdapter - Instantiate TREEAdapter with: (entity-index-size=10000000, tokenIndexCacheSize=10000000, cache-size=4096)
Predicate list usage: false
ruleSet=rdfs, partialRdfs=true
ruleSet is disabled
672 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 28 statements at http://www.w3.org/People/Raggett/foaf.rdf
091 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
891 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
891 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 27 statements at http://www.advogato.org/person/timbl/foaf.rdf#me
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 27 statements at http://advogato.org/person/timbl/foaf.rdf
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 27 statements at http://www.advogato.org/person/timbl/foaf.rdf
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://web.mit.edu/soniaswm/Public/foaf.rdf
985 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 26 statements at http://web.mit.edu/david_li/www/foaf.rdf
Apr 9, 2010 10:56:07 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://rit.mellon.org/Members/ihf/foaf.rdf
1656 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
[Fatal Error] foaf.rdf:20:3: The value of attribute "rdf:resource" associated with an element type "null" must not contain the '<' character.
Apr 9, 2010 10:56:08 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not extract RDF from the remote URL file!
Apr 9, 2010 10:56:08 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://research.microsoft.com/~henrikn/foaf.xml
3453 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:10 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 76 statements at http://larve.net/people/hugo/2002/10/foaf.rdf
Apr 9, 2010 10:56:10 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
```



执行SPARQL Query中



```
Java - Eclipse SDK
File Edit Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
DemoGuiPipelineEditor [Java Application] C:\Program Files\Java\jdk1.6.0_16\bin\javaw.exe (Apr 9, 2010 10:55:40 AM)
INFO: found 73 statements at http://www.koalite.net/foaf.rdf
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://www.sw.it.aoyama.ac.jp/D%252;rst/foaf.rdf
6344 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
6344 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 73 statements at http://vipulmathur.org/foaf.rdf
6360 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
6406 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 88 statements at http://enneumann.org/foaf/myFOAF.rdf
6610 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 100 statements at http://www.sw.it.aoyama.ac.jp/D%253%bcrcst/foaf.rdf
6672 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 124 statements at http://www.johnbreslin.com/foaf/foaf.rdf
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 73 statements at http://www.agfa.com/w3c/jdroo/card.rdf
Apr 9, 2010 10:56:13 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 41 statements at http://cvlab.epfl.ch/~shaji/foaf.rdf
7656 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:14 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 252 statements at http://tomheath.com/
9235 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 65 statements at http://dig.csail.mit.edu/People/cdk/data/foaf.rdf
9328 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
9328 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
9328 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
9344 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
9344 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 63 statements at http://www.ibiblio.org/hhalpin/foaf.rdf
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 63 statements at http://www.ibiblio.org/hhalpin/foaf.rdf#me
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 86 statements at http://people.w3.org/simon/foaf
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 86 statements at http://people.w3.org/simon/foaf.rdf
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 86 statements at http://people.w3.org/simon/2004/06/foaf.rdf
9438 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
9438 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl$
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 135 statements at http://inamidst.com/sbp/foaf.rdf
Apr 9, 2010 10:56:16 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 135 statements at http://inamidst.com/sbp/foaf
```



SEVENTH FIVE-YEAR WORK PROGRAMME

执行SPARQL Query中



```
Java - Eclipse SDK
File Edit Navigate Search Project Run Window Help
Problems @ Javadoc Declaration Console
DemoGuiPipelineEditor [Java Application] C:\Program Files\Java\jdk1.6.0_16\bin\javaw.exe (Apr 9, 2010 10:55:40 AM)
Apr 9, 2010 10:56:26 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://my.opera.com/keiki/xml/foaf
Apr 9, 2010 10:56:26 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://my.opera.com/chaals/xml/foaf
20625 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
20781 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:28 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 639 statements at http://semantictweet.com/joshsh
Apr 9, 2010 10:56:28 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 613 statements at http://demo.sindice.net/tomcat6/rdfextractor/test/valid-foaf.rdf
Apr 9, 2010 10:56:29 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://my.opera.com/keiki/xml/foaf/
23094 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:30 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://lists.w3.org/Archives/Public/public-grddl-comments/2007AprJun/att-0102/ra
23250 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:30 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 119 statements at http://www.kanzaki.com/info/foaf-ex.rdf
23344 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
23750 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:30 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 668 statements at http://semantictweet.com/ivan_herman/friends
23922 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:30 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://www.robinstewart.com/foaf.rdf
23953 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
24297 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:31 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 298 statements at http://mmt.me.uk/foaf.rdf
Apr 9, 2010 10:56:31 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 2636 statements at http://norman.walsh.name/foaf.rdf
Apr 9, 2010 10:56:31 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 613 statements at http://richard.cygnaniak.de/foaf.rdf#cygr1
Apr 9, 2010 10:56:31 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 613 statements at http://richard.cygnaniak.de/foaf.rdf
25156 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:31 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 2636 statements at http://norman.walsh.name/foaf
25250 [Sindice RDF downloader] DEBUG org.xml.sax.XMLReader - XMLReader initialized using JAXP: com.sun.org.apache.xerces.internal.jaxp.SAXParserImpl:
Apr 9, 2010 10:56:32 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 706 statements at http://semantictweet.com/titticimmino/friends
Apr 9, 2010 10:56:32 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: found 668 statements at http://semantictweet.com/ivan_herman
Apr 9, 2010 10:56:33 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not load the remote URL file:http://ext.dcs.shef.ac.uk/~u0057/FoafGenerator/files/foaf-555186827.rdf
**** FINISHED ****
Apr 9, 2010 10:56:59 AM eu.larkc.plugin.identify.sindice.AbstractSindiceIdentifier$DownloadSession$Fetcher run
INFO: cannot download remote RDF: Could not extract RDF from the remote URL file!
```



SPARQL Query结果



LarKC Workflow Demonstrator

Query

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
SELECT DISTINCT ?name1 ?name2 where {
?person rdf:type foaf:Person.
?person foaf:name ?name1.
?person2 rdf:type foaf:Person.
?person2 foaf:knows ?person.
?person2 foaf:name ?name2.
} LIMIT 10000
```

Execute
Cancel
Reset

Plug-ins

Query Transformer	Identifier	Data Transformer	Selector	Reasoner
SPARQL->triple pattern	Sindice (triple pattern)	None	Growing data set	SPARQL only

Results

Query1 (34)

name
"Dave Raggett"
"Tom Heath"
"Dan Brickley"
"Dan Brickley"@en
"Mischa Tuffield"
"Mischa Tuffield"@en
"Richard Cyganiak"
"Oshani Seneviratne"
"Vipul Mathur"
"Appu Shaji"
"Carlos Delgado Kloos"
"Harry Halpin"
"Halpin Harry"
"Steve Harris"
"Henry J. Story"
"Henry Story"
"神崎正英"
"Masahide Kanzaki"@en
"David Li"
"Hugo Haas"
"Steven Bratt"
"Christoph Bussler"
"Coralie Merrier"

LarkC is idle...