







| | | | SE | MAG!X | | |
|--|--|--|--|--|--|--|
| Increasingly M | lore Semantic Re | epresentation | | | | |
| Catalog/ID DB Schen Terms/ glossary | Thesauri "narrower term" ¹ relation <u>na UMLS</u> Wordnet (Informal is-a | Ref Formal is-a (p RDF DO Forma instanc | Explicit lationships/ Disj Frames In properties) pa RDFS DA OWL l Value e Restriction | ointness, nverse, art of ML CYC IEEE SUO General Logical | | |
| Simple Taxonomies Expressive Ontologies Better capability at higher complexity and computability | | | | | | |









Ontology-directed Metadata Extraction SEMAG!X (Semi-structured data) Web Page **Enhanced Metadata Asset** stract - Microsoft I Ele Edit View Favorites Loois Help 🖕 - " Agdress Links " 🍸 >> 🔢 27 2. 0 Previous Next Update Update/Next Delete/Next Run Experts BBC pnm://m.bbc.net.uk/news/olmedia/1320000/video/_1322301_mile rvic01_an ica pushes for war erson_vi.m GB Bitrate: 48 Format: real Width: 320 Height: 200 Invalidated: 0 Add □ Needs Attention □ Checked Asset Id: 31918736 NewsEvent Change Category Category BBCWorld Extracto Keywords: Kostunica pushes for war crimes law ntle: http://news.bbc.co.uk/olmedia/1320000/images/_1324001_kostunica_atp300.jpg video iedia Typ pnm://rm.bbc.net.uk/news/olmedia/1320000/video/_1322301_milosevic01_anderson_vi.rm?title= URL: The Yugoslav president says Belgrade will co-operate with the UN tribunal, which wants Slobodan Milosevic handed over. 230 lip Length http://news.bbc.co.uk/hi/english/world/europe/newsid_1324000/1324001.stm Parent URL Location: Belgrada, Yugoslavia, Europe Yojislav Kostunica, Slobodan Mil People: Previous Next Update Update/Next Delete/Next Run Experts



| | SEMAG!X |
|---|--|
| Automatic Semantic Annotation | n |
| <body> CAWINDOWSATEMPL_ZCTmp.DiA22638565.xml - Microso </body> | At Internet Explore 15 Measure Veseto 22239965 and Measure Explore Value-added Voquette Semantic Tagging |
| - <body.) comtex<="" elle="" favorites="" help="" loois="" lot="" th="" yew=""><th>(Tagging standards finalizes in //</th></body.)> | (Tagging standards finalizes in // |
| <dist <="" identification=""></dist> | « Property Formalitame= "PublicCompany" Vocabulary=" unscenario unscenario unscenario unscenario unscenario |
| | <property formultante="StockSymbol" value="P"></property> |
| = <d00 +="" <p="">FirstCreated>20010901T142709</d00> | - Property Formulations - Competition" |
| CP:P | kevisionCreated> |
| is t «Status Vocabulary-"urn:newsml:comtexnews.m | set:20010101:Co |
| Urgency FormalName="5"/> | AProperty - |
| | |
| Steh - <newscomponent (c)<="" equivalentslist="m cDale Eormalitiames" essential="yes" male"="" td=""><td>ee'> (Findancement)</td></newscomponent> | ee'> (Findancement) |
| del - NewsLines - | Property Formalizane Statistics (such as a statistical as a statistic |
| HeadLine>The Debate is on the Future of Tire | mor Sea LNG«/H «Froperty Formalizers-Sector Value - Tenergy /» Rich Semanuc |
| Co C | es/PBI Media via |
| Copyright and Copyright 2001 Per Media, LD | A. All represents a strongerty formultances "Company Sectorities" Values - Based, Lash |
| <keywordline origin="Comtex">oil<td>ine> +Property Formaliants - Company Security Value - Devin, Robert ></td></keywordline> | ine> +Property Formaliants - Company Security Value - Devin, Robert > |
| <keywordline origin="Comtex">transportation</keywordline> | n + +Property Formalizens="CompanyDecusive" Value="Homes, Larry D."- |
| Tin AdministrativeMetadatas | <property -="" companytescutive"="" l."="" pormalitane="" randall="" tables,="" value=""></property> |
| - «Catalog» | - Property Formultiverses' Company Executive " Value - Tachinkal, Voltoria 3." - |
| - <resource></resource> | "Articlety " |
| Sdl <um>urn:newsml:comtexnews.net:20010</um> | 2201:Providers:1 - «Property Formalitant» "CompanyUsecutive" Value="Tamor, Kathryn E."» |
| CDDU Context- Provider/P | ATY ATTACT A AND A |
| - «Resource» | Property Formulations—"Compare/Decusive" Value="Revents, Ph.D., Kevin"> |
| <um>urn:newsml:comtexnews.net:20010</um> | 2201:Source:1 </td |
| < DefaultVocabularyFor Context="Source/Par | ATY /> Property Formalizense "CompanyDarcutive" Value="Lowe, John" |
| - «Resource» | «/Property» |
| <um>urn:newsml:comtexnews.net:20010</um> | 1201:SourceProp Frogent Porradiance - Company Executive - Value - Patva, J. 3.* |
| <defaultvocabularyfor <="" context="Property" td=""><td>/> <pre>droperty formalizane='CompanyPeolition' Value='Elver Executive Officer' /s</pre></td></defaultvocabularyfor> | /> <pre>droperty formalizane='CompanyPeolition' Value='Elver Executive Officer' /s</pre> |
| «/Catalog» | Property = |
| <filename>22698565.xml</filename> | Argenty Fernalizene - CampanyPosition' Value - Vice President' /> Value_added |
| - «Provider» | comparing formations - CompanyPesition, Value - Chief Information Officer / Value - Address |
| | - <frights -="" 3,="" bryan's="" ecutive'="" felevant="" firmaliane-'company's="" metatags<="" td="" value="" whiteenth,=""></frights> |
| < < Source > | structure to address to a structure to the structure to t |
| <party formalname="Phillips Full"></party> | Arrient's formaliame+ 'CompanyPetition' Vilue-'General Counsel' /> to existing |
| <td>entropy - Construction - Company Security - Carring, Jaka"> Construction</td> | entropy - Construction - Company Security - Carring, Jaka"> Construction |
| | |
| RightsMetadata | Arrestly furnational - Comparison Value - Treasurer // |
| <copyrightdate>2001</copyrightdate> | Private companies |
| DescriptiveMetadata | - Progenty formalium- "PrivateCompany" Value - Shell OI Ce." |
| «Language FormalName="en" /> | Properts Fermalitane - Competition Provide the second se |
| - «Property Formalitane-"PublicCompany" | • Industry affiliation |
| vocadulary + uninewsmitcomtexnews.net20 <property formalname="CompanyName" p="" value<=""></property> | - *Property Formulations "Competitions" (Sector - Sector - Sector |
| <property td="" tormalname="StockSymbol" value-<=""><td>='P'/></td></property> | ='P'/> |
| | - «Frogerty Formalitare» Competities" - Exchange |
| | Company Execs |
| <mediatype formalname="Text"></mediatype> | <property "houston,="" -="" adquarters'="" amer<br="" at="" formalitarea="" states="" texas,="" the="" united="" value="">Competitions (Margan - Marganization Competitions)."</property> |
| <mimetype <="" formalname="text/vnd.IPTC.NITF" td=""><td>*/> Competitions - Industry Value "Integrated 00 and Eas" /> Competitions</td></mimetype> | */> Competitions - Industry Value "Integrated 00 and Eas" /> Competitions |
| Data Casteria | |

































Step 1: Ontology Model Creation

Create an Ontology Model using Semagix Freedom Toolkit GUIs

SEMAG!X

| He Edit View | | | | | | | | |
|--|------------------------------|----------------|---------|----------|-------------|------------|---|--|
| | 00 8 | 15 # | | | | | | |
| Asset | External Name: Bunkerst Name | | | | | | This corresponds to the | |
| EntertainmentAsset TestCalegory DusinessAsset HealtMasset SportsAsset Intrinevis | Internal Name | Edemal Name | Type | indexed? | Fitopwords? | Sternming? | Displayed? | al a contratt a training of the contract of th |
| | Acyser: | dopie: | sting | 10 | 8 | 10 | 8 | descriptional part (schema) of the |
| | exchange | exchange | String | 8 | 98 | 8 | 8 | Ontology |
| | aymibol | aymbol | string | 12 | | | 8 | Onloiogy |
| | sector | sector | String | 8 | 8 | 8 | 8 | |
| D RhowledgeAsset | company | company | String | 8 | - 98 | 8 | 8 | Manually define Ontology structu |
| VFMLFeed | industry. | industry | String | × | 8 | 8 | 10 | |
| SciTechAsset | laChecked | AsChecked | Integer | | 12 | 8 | 10 | Mandally define entology strattare |
| NewsAsset | quest | quest | String | 12 | 8 | 1 | R | (entity classes relationship types |
| Constant. | host . | Rost | String | 12 | 8 | 8 | 10 | |
| | language | language | String | | 8 | 2 | 8 | domain-specific and domain |
| | accessCount | accessCount | Integer | 0 | 8 | 12 | 8 | the state of a state of the the state of the |
| | eidractorName | extractorWarne | String | | 8 | 12 | 12 | independent attributes) |
| | class/D | classiD | integer | | 10 | 10 | R | . , |
| | isProcessed | isProcessed | Integer | | 88 | 10 | 12 | |
| | ILLNO | ILAN . | Integer | | 8 | 1 | 8 | · Configuro poromotoro for attribu |
| | productionSour. | productionSour | string | | 8 | 12 | 10 | • Configure parameters for attributes |
| | mediaType | mediaType | String | | 8 | 12 | 165 | pertaining to indexing lexical |
| | needs481 | needsate | integer | | 12 | 12 | 8 | pertaining to indexing, lexical |
| | invatidated | invalidated | integer | 0 | 8 | 1 | 8 | analysis interface etc |
| | surrogate | aurrogate | String | 0 | 98 | 12 | 8 | |
| | keyFrame | Any Frame | String | 0 | 8 | 1 | 8 | |
| | clpLength | clateright | Integer | 0 | 8 | 8 | 8 | The fact the second sector is a second sector. |
| 1 | producer | producer | String | | 8 | 128 | 8 | • Existing industry-specific |
| | Anywords | Reywords | Sting | 8 | 8 | 10 | 8 | tovonomica lika MESH (Madical) |
| | description | description | String | 12 | 8 | R | 8 | taxonomies like wiesh (wedical), |
| | Mile | Me | ating | 8 | 12 | 8 | 8 | etc. can be reused or imported into |
| | postedDate | postectDate | Date | i iii | 8 | 2 | 12 | etc. can be reused of imported into |
| | insetionDate | InsectionClate | Date | 0 | 10 | 8 | R | the Ontology |
| | manentt/IRL | Davard IRL | String | 0 | 8 | | 8 | and enteregy |
| | stand | source | String | 2 | 59 | 12 | 8 | |
| | ef. | Lef. | Indexer | 0 | 8 | 12 | 8 | |
| | urf. | Lard . | Indepen | | 8 | 2 | 8 | |
| | 1 | | | | | | | |























SEMAG!X

What are the benefits

- 1. **Control** compliance officers dictate the scale and scope of the checks made without incremental costs
- 2. **Protects integrity of the company** reputation and confidence are maintained through effective systems and controls
 - Comply with new legislations and regulations proceeds of crime act 2002 part 7, USA PATRIOT act
- 3. Cost
 - Lower total cost for compliance with current and future legislation
 - Lower content subscription and HR costs
- 4. Increased quality and efficiency of the compliance process
- 5. Integration into existing processes open standards enables the technology to be integrated into current KYC processes
- 6. Interoperability provides integration across disparate legacy systems facilitating 'retrospective reviews' of customer bases

POWER • THROUGH • RELEVANCE













| | SEMAG!X |
|---|--|
| CIRAS's Components | |
| Provision of 'knowledge' already held abou ability to navigate through each 'instance' t | t a prospect and provides the o verify information |
| STATOIL GAS TRADING LTD [Company] Weakser Synonyme: Castol Gas Trading Castol Gas Trading Relationships: HAVARD BERGE works for STATOIL CAS TRADING LTD RUME BJORNSON works for STATOIL CAS TRADING LTD WOLTEK MURAWSKI is a shareholder in STATOIL CAS TRADING LTD STATOIL GAS TRADING LTD is audited by Emerg Murketing Company. STATOIL GAS TRADING LTD corotacts in Gas Energy Mirketing Company. STATOIL GAS TRADING LTD bis audited by Emerg Murketing Company. STATOIL GAS TRADING LTD corotacts in Gas Energy Mirketing Company. STATOIL GAS TRADING LTD bis audited by Emerg Murketing Company. STATOIL GAS TRADING LTD bis audited by Emerg Murketing Company. STATOIL GAS TRADING LTD bis audited by Statool. STATOIL GAS TRADING LTD bis audited by Statool. STATOIL GAS TRADING LTD corodacts business in Norvery STATOIL GAS TRADING LTD conducts business in Workery STATOIL GAS TRADING LTD conducts business in United Kingdom STATOIL GAS TRADING LTD conducts business in United Kingdom | 1. Normalisation of information to understand multiple formats of an identity 2. Key Employees 3. Company Details 4. Associated Companies |
| | POWER • THROUGH • RELEVANCE |







