

# RepOSE Installation Guide

1. Download RepOSE.zip file and extract the folder to a particular location.
2. Install Java and JDK, setup the Java environment variables “JAVA\_HOME” and “JDK\_HOME”.
3. Configure WordNet
  - 3.1 Install WordNet 2.1 for Windows.  
(Available at <http://wordnet.princeton.edu/wordnet/download/>)
  - 3.2 In the RepOSE folder, open the file “/config/wordnet.xml”, and set "dictionary\_path" to the directory of WordNet dictionary files  
(e.g. <param name="dictionary\_path" value="Y:\WordNet-2.1\dict"/>)
4. Configure UMLS
  - 4.1 You need a UMLS license/account to access the online version.  
(Available at <https://uts.nlm.nih.gov/license.html>)
  - 4.2 In the RepOSE folder, open the file “/config/umls.xml”, and set username and password. You can also change language and version of UMLS (Note : The system was tested with version 2010AA in English language).  
(e.g. <umls\_username>admin</umls\_username>,  
<umls\_password>Admin123!</umls\_password>)
5. The application RepOSE\_v2 can be run in windows environment by executing “run.bat” (for linux environment “run.sh”) file in the RepOSE folder.

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[1] Lambrix P, Liu Q, Tan H, *Repairing the missing is-a structure of ontologies*, *Proceedings of the 4th Asian Semantic Web Conference - ASWC09*, LNCS 5926, 76-90, Shanghai, China, 2009. Springer-Verlag.

[2] Liu Q, Lambrix P, *A system for debugging missing is-a structure in networked ontologies*, *Proceedings of the 7th International Conference on Data Integration in the Life Sciences - DILS 2010*, LNBI 6254, 50-57, Gothenburg, Sweden, 2010. Springer-Verlag.

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