

Search Definition Source by Concept Code Snippet

Java Code Snippet

```
public void testDefinitionSource(){

    String searchTerm = "C12435";
    String vocabName = "NCI_Thesaurus";
    String vocabTag = "PRODUCTION";
    ConceptReference cref = new ConceptReference();
    cref.setConceptCode(searchTerm);
    ConceptReferenceList ncr1 = new ConceptReferenceList();
    ncr1.addConceptReference(cref);

    try {
        CodingSchemeVersionOrTag cvt = new CodingSchemeVersionOrTag();
        cvt.setTag(vocabTag);
        CodedNodeSet nodes = lbSvc.getNodeSet(vocabName, cvt, null);
        nodes = nodes.restrictToCodes(ncr1);
        ResolvedConceptReferenceList crl = nodes.resolveToList(null, null,
            null, 20);
        //codes are unique in NCIt, so you will only get one entity in the list
        Entity concept = crl.getResolvedConceptReference(0).getEntity();
        Definition[] defs = concept.getDefinition();
        for (Definition def : defs) {
            //Each definition in NCIt will only have one source.
            Source[] sources = def.getSource();
            Source defSource = sources[0];
            String source = defSource.getContent();
            System.out.println("Definition source "+ source);
        }
    } catch (Exception ex) {
        System.out.println(ex);
    }
}
```